May 25, 2018

Mr. Eugene Melnyk, P.E
New York State Department of Environmental Conservation
Region 9 Office
270 Michigan Avenue
Buffalo, NY 14203

Subject**:** **Soil Vapor Intrusion Investigation Report**
Exxon Mobile Oil Corporation – Former Buffalo Terminal
Operable Unit 2 - West
1 Babcock Street
Buffalo, New York

Dear Mr. Melnyk:

Amec Foster Wheeler Environment & Infrastructure, Inc., in association with AMEC E&E PC (AMEC) has prepared this Soil Vapor Intrusion Investigation Report (SVI Report) on behalf of ESCP LLC to conduct vapor intrusion (VI) studies at one structure on Operable Unit (OU) 2 West at the former ExxonMobil refinery (the Site) in Buffalo, NY. This VI study was conducted in response to the OU2 East Decision Document provided to Elk Street Commerce Park by the New York State Department of Environmental Conservation (NYSDEC) on December 6, 2017. The VI study was conducted in accordance with the 2006 New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York (most recently updated in 2017).

SITE DESCRIPTION

OU2 West encompasses portions of the former terminal designated as the northern portion of the Babcock Street properties area (BSPA). The BSPA is located at 1 Babcock Street which totals 11.1 acres; approximately 4 acres comprise OU-2 West. SVI sampling at this parcel was conducted within a large industrial building, previously identified as Building 140, located in the southern portion of the property. Currently the OU2 West is used for various industrial purposes. The current building and site layout of OU2 is shown on Figure 1.

The majority of the Site is currently zoned industrial. It is located in an urban area, generally surrounded by a mixture of industrial and commercial property. A large portion of the site is vacant. The largest active facility on-site is a petroleum distribution terminal. Several smaller commercial businesses operate on the western end of the site.

The Site is located in an area of Buffalo that has numerous parcels of available vacant land. The immediate area surrounding OU2 is comprised of several active industrial uses south of Elk Street, including, the active petroleum distribution terminal; an auto parts recycler; a fertilizer packaging facility and other industrial enterprises to the east; and a sulfuric acid manufacturing plant to the west. North of Elk Street there is vacant land; an auto parts recycler; several industrial enterprises; a tavern; and limited residential housing.

PREVIOUS INVESTIGATIONS

Various remedial investigations have been conducted at the ExxonMobil Former Terminal and the Site is currently participating the NYSDEC Brownfield Program (Site No. C915201C). SVI sampling was last conducted in 2009 by Roux Associates Inc. Chlorinated compounds, benzene, toluene, ethyl benzene and xylenes (BTEX) were identified in the soil vapor samples collected from inside Building 140 (soil vapor borings SV-1 and SV-2) (Roux Associates, 2009[1]).

SCOPE OF WORK

To evaluate the current indoor air quality and the potential for soil vapor intrusion of contaminants from soil vapor to indoor air, SVI sampling was conducted in February 2018. The general task completed are described below.

Site Inspections

AMEC visited Building 140 and conducted an inspection of building conditions, an inventory of chemical products stored in the building, and a photo-ionization detector (PID) survey using a meter with detections in the parts per billion (ppb) range. Observations were recorded on an Indoor Air Quality Questionnaire and Building Inventory Form included in Attachment 1. During the inspection, sample locations were selected based on available information and the potential for SVI exposure, as described below in the Task 2 description.

Building 140 is currently being used by Pinto Construction for vehicle maintenance, workshops, and storage. Items identified as being stored/used in the facility include, but are not limited to:

- Brakleen (containing tetrachloroethene [PCE]

[1] Roux Associates, November 2009, "Second Round Soil Vapor Sampling Report and Scope of Work for Additional Sampling", ExxonMobil Former Buffalo Terminal, Buffalo, New York, Prepared for ExxonMobil Oil Corporation

- Hydraulic Cement
- Curing Compound
- Sealer
- Urethane Paint
- Pavement Repair Material
- Lock Tite
- Gasoline and Diesel (in vehicles and in storage cans)
- PB B'laster (containing petroleum distillates and naphthalene)
- Lubricants
- Degreasing fluid (provided by Safety Clean and in open washer)
- Stripping Paint
- Air Tool Lubricant

Vapor Intrusion Sampling

Vapor intrusion sampling was conducted in general accordance with the AMEC work plan dated February 2, 2018 and the current NYSDOH VI guidance. Samples were collected in Summa-type canisters over an approximate 24 hour period from February 21 to February 22, 2018.

The building foundation consists of an approximate 6-inch thick concrete slab. The floor was in fairly good condition. The building was heated, with bay door access for equipment.

Three subslab samples and four indoor air samples were collected in Building 140. The subslab sample locations were selected based on the building inspection and were chosen to evaluate occupied spaces, areas with potential indoor sources of contamination, and to achieve spatial distribution of sub-slab and indoor air samples throughout the building. Subslab samples were collected by drilling a hole through the slab, placing Teflon tubing connected to the sample canister through the hole, sealing around the tubing with non-hardening clay, purging the tubing line, and connecting the tubing to the sampling container. Based on the helium leak testing conducted on one of the samples (i.e. 20% of the locations), the sub-slab seals were determined to be effective. One ambient/background air sample was collected.

Samples were shipped to Centek Laboratories, Inc. of Syracuse, NY for TO-15 analysis.

SVI Results and Conclusions

A USEPA Stage 2A Validation was completed on the analytical data received from Centek and the data was determined to be usable. The DUSR is presented in Attachment 2. Results were evaluated in compared to the NYSDOH Soil Vapor Intrusion Decision Matrices (NYSDOH, 2017) for the eight compounds associated with the three decision matrices (Matrix 1: trichlorethene [TCE], cis-1,2-dichloroethene [cis-1,2-DCE], 1,1-dichloroethene, and carbon tetrachloride; matrix 2: PCE, 1,1,1-trichloroethane [111-TCA], and methylene chloride; Matrix 3: vinyl chloride) and are discussed below. Analytical results are presented in Table 1. Table 1 compares results to the 90th percentile in the "Indoor Air" table in Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes from Appendix C of the NYSDOH Soil Vapor Intrusion Guidance. Results were also compared to the United States Environmental Protection Agency (USEPA) Regional Screening Levels (RSLs) for "Composite Worker Air" with a target hazard quotient of 0.1 because the NYSDOH does not have indoor air guidelines for commercial properties.

TCE, cis-1,2-DCE and carbon tetrachloride were detected in the indoor air of Building 140 at concentrations below 10 $\mu g/M^3$, but above the NYSDOH action limit of 1 $\mu g/M^3$ in Matrix 1; however, these compounds were not detected in the soil vapor. Therefore, the indoor air detections appear to be the result of an indoor source. PCE was also detected at concentrations that would indicate the need for vapor mitigation based on Matrix 2. However, PCE was identified during the chemical inventory conducted within the facility and therefore the OSHA regulatory guidance levels (100 parts per million per volume, or 693,320 $\mu g/M^3$) apply to this building. Concentrations of PCE were higher in the indoor air than in the sub-slab, also indicating that the indoor air concentrations may not be solely the result of soil vapor intrusion.

Other compounds, primarily petroleum related, were detected in the indoor air of Building 140 at concentrations that exceeded the 90th percentile of the NYSDOH indoor air background study and/or the USEPA RSLs for Composite Worker Air. However, petroleum products were either in use, or stored within Building 140, and indoor air concentrations for most of the compounds were higher than, or similar to concentrations in the subslab vapor, indicating the compounds in indoor air are likely the result of an indoor air source and not vapor intrusion.

Soil vapor results for Building 140 were also compared to the USEPA RSLs for Composite Worker Air with an assumed conservative attenuation factor of 0.1. With the exception of PCE and benzene, soil vapor

concentrations did not exceed the RSL assuming an attenuation factor of 0.1, indicating that that indoor air concentrations would not exceed EPA RSLs for Composite Worker Air as a result of vapor intrusion (with the potential exception of PCE and benzene).

Recommendations

Based on the results of the SVI investigation, no further action or SVI sampling at Building 140 is deemed necessary as long as the building use does not change. If the building is repurposed for different businesses, additional SVI sampling should be conducted after all chemical and petroleum products have been removed from the facility.

Please contact Samuel Farnsworth of AMEC at (978) 392-5322 should you have any questions or require additional information.

Sincerely,

AMEC E&E, PC

Charles Staples, P.G.
Senior Scientist

Samuel Farnsworth
Principal Scientist

cc: Paul Neureuter
Dayne Crowley
Ben Genes

Legend

2018 SVI Sample Locations
- Indoor Air
- Soil Vapor

- Aproximate Building Walls
- Operable Unit
- Property Boundary

N

0 25 50 Feet

amec foster wheeler

Figure 1
OU2-West
SVI Sample Locations

ExxonMobil Former Buffalo Terminal
Buffalo, New York

Prepared/Date: CRS 03/09/18 | Checked/Date: JMF 03/09/18

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Table 1: OU2-West SVI Results

			Building	Ambient Air	Building 140	Building 140	Building 140
			Location	OU2W-OUT-AA100	OU2W-140-SV100	OU2W-140-SV101	OU2W-140-SV102
			Sample Date	2/22/2018	2/22/2018	2/22/2018	2/22/2018
			Sample ID	OU2W-OUT-AA100	OU2W-140-SV100	OU2W-140-SV101	OU2W-140-SV102
			QC Code	FS	FS	FS	FS
			Sample Type	Outdoor Air	Soil Vapor	Soil Vapor	Soil Vapor
Parameter	90th Percentile NY Background	Indoor Air USEPA RSL	Soil Vapor (RSL*10)	Result Qual	Result Qual	Result Qual	Result Qual
1,1,1-Trichloroethane	3.1	2200	22000	0.82 U	0.82 U	0.82 U	0.82 U
1,1,2,2-Tetrachloroethane	<0.25	0.21	2.1	1 U	1 U	1 U	1 UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.8	13000	130000	1.1 U	**0.92** J	1.1 U	1.1 U
1,1,2-Trichloroethane	<0.25	0.77	7.7	0.82 U	0.82 U	0.82 U	0.82 U
1,1-Dichloroethane	<0.25	7.7	77	0.61 U	0.61 U	0.61 U	0.61 U
1,1-Dichloroethene	<0.25	88	880	0.16 U	0.59 U	0.59 U	0.59 U
1,2,4-Trichlorobenzene	3.4	0.88	8.8	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ
1,2,4-Trimethylbenzene	9.5	3.1	31	**1.4** J	**13**	**17** J	**5.2** J
1,2-Dibromoethane	<0.25	0.02	0.2	1.2 U	1.2 U	1.2 U	1.2 UJ
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.52	NA	NA	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	0.72	88	8.8	0.9 UJ	0.9 UJ	0.9 UJ	0.9 UJ
1,2-Dichloroethane	<0.25	0.47	4.7	0.61 U	0.61 U	**1.6**	0.61 U
1,2-Dichloropropane	<0.25	1.2	12	0.69 U	0.69 U	0.69 U	0.69 U
1,3,5-Trimethylbenzene	3.6	NA	NA	0.74 UJ	**4.2** J	0.74 UJ	**1.6** J
1,3-Butadiene	4.6	0.41	4.1	0.33 U	0.33 U	0.33 U	0.33 U
1,3-Dichlorobenzene	0.6	NA	NA	0.9 U	0.9 U	0.9 U	0.9 UJ
1,4-Dichlorobenzene	1.3	1.1	11	0.9 U	0.9 U	0.9 U	0.9 UJ
1,4-Dioxane	NA	2.5	25	1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ
2-Butanone	16	2200	22000	**0.8** J	**4.9** J	**12** J	**5** J
2-Hexanone	NA	13	130	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ
2-Propanol	NA	88	880	0.37 U	0.37 U	0.37 U	0.37 U
4-Ethyltoluene	NA	NA	NA	0.74 UJ	**4.8** J	0.74 UJ	**1.2** J
4-Methyl-2-pentanone	2.2	1300	13000	1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ
Acetone	110	14000	140000	**4.8**	**120**	**49**	**120**
Allyl chloride	NA	2	20	0.47 U	0.47 U	0.47 U	0.47 U
Benzene	15	1.6	16	**0.89**	**18**	**53**	**4.1**
Benzyl chloride	NA	0.25	2.5	0.86 UJ	0.86 UJ	0.86 UJ	0.86 UJ
Bromodichloromethane	NA	0.33	3.3	1 U	1 U	1 U	1 U
Bromoform	NA	11	110	1.6 U	1.6 U	1.6 U	1.6 UJ
Bromomethane	0.6	2.2	22	0.58 U	0.58 U	0.58 U	0.58 U
Carbon disulfide	NA	310	3100	0.47 U	0.47 U	**58**	**80**
Carbon tetrachloride	0.81	2	20	0.19 U	0.94 U	0.94 U	0.94 U
Chlorobenzene	<0.25	22	220	0.69 U	0.69 U	0.69 U	0.69 UJ
Chloroethane	<0.25	4400	44000	0.4 U	0.4 U	0.4 U	0.4 U
Chloroform	1.4	0.53	5.3	0.73 U	0.73 U	0.73 U	0.73 U
Chloromethane	3.3	39	390	**0.95**	**0.54**	**2.2**	0.31 U
Cis-1,2-Dichloroethene	<0.25	NA	NA	0.16 U	0.59 U	0.59 U	0.59 U
Cis-1,3-Dichloropropene	<0.25	3.1	31	0.68 U	0.68 U	0.68 U	0.68 U
Cyclohexane	8.1	2600	26000	0.52 U	**7.1**	**93**	**2500**
Dibromochloromethane	NA	NA	NA	1.3 U	1.3 U	1.3 U	1.3 UJ
Dichlorodifluoromethane	15	44	440	**2.8**	**2.6**	**1.5**	**0.84**
Ethyl acetate	NA	31	310	**0.86** J	**20**	**11** J	0.54 UJ
Ethylbenzene	7.4	4.9	49	**0.74**	**13**	**14** J	**3.8** J
Heptane	7.7	NA	NA	**0.57** J	**22**	**27**	**19**
Hexachlorobutadiene	4.6	0.56	5.6	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ
Hexane	18	310	3100	**0.78**	**39**	**62**	**180**
Isooctane	6.5	NA	NA	**2.3**	**21**	**570**	**3100**
Methyl Tertbutyl Ether	27	47	470	0.54 UJ	0.54 UJ	0.54 UJ	0.54 UJ
Methylene chloride	22	1200	12000	**0.97**	**3.4**	**15**	0.52 U
Propylene	NA	1300	13000	**0.15** J	0.26 U	0.26 U	0.26 U
Styrene	1.3	440	4400	0.64 U	**2.9**	0.64 U	0.64 UJ
Tetrachloroethene (PCE)*	2.9	47	470	**0.81** J	**550**	**1800**	**51**
Tetrahydrofuran	3.3	880	8800	0.44 UJ	0.44 UJ	0.44 UJ	0.44 UJ
Toluene	58	2200	22000	**3.4**	**110**	**70**	**39**
trans-1,2-Dichloroethene	NA	NA	NA	0.59 U	0.59 U	0.59 U	0.59 U
trans-1,3-Dichloropropene	<0.25	3.1	31	0.68 U	0.68 U	0.68 U	0.68 U
Trichloroethene (TCE)*	0.48	3	30	0.16 U	0.81 U	0.81 U	0.81 U
Trichlorofluoromethane	17	NA	NA	**1.7**	**2.2**	**0.79** J	**20**
Vinyl acetate	NA	88	880	0.53 U	0.53 U	0.53 U	0.53 U
Vinyl bromide	NA	0.38	3.8	0.66 U	0.66 U	0.66 U	0.66 U
Vinyl chloride	<0.25	2.8	28	0.1 U	0.38 U	0.38 U	0.38 U
Xylene, o	7.6	44	440	**1.2** J	**18**	**18**	**4.7** J
Xylenes (m&p)	12	NA	NA	**2.8**	**54**	**46**	**14** J

Notes:
Results in micrograms per cubic meter (µg/M3)
Detections in Bold.
QC Code: FS = Field Sample; FD = Field Duplicate
90th Percentile = NYSDOH 2003 Study (From 2006 NYSDOH Vapor Intrusior Guidance Appendix C)
Indoor Air USEPA RSL (Regional Screening Level) = 2017 Composite Worker Air with a target cancer risk of $1x10^{6}$ and a target hazard quotient of 0.1.
* = Has New York State Guidance Value (NYDEC, 2017) (PCE = 30 µg/M3 ; TCE = 2 µg/M3)

Created By: KS 3/30/18
Checked By: CRS 3/30/18

Table 1: OU2-West SVI Results

Parameter	90th Percentile NY Background	Indoor Air USEPA RSL	Soil Vapor (RSL*10)	Building	Building 140	Building 140	Building 140	Building 140
				Location	OU2W-140-IA100A	OU2W-140-IA101	OU2W-140-IA102A	OU2W-140-IA103
				Sample Date	2/22/2018	2/22/2018	2/22/2018	2/22/2018
				Sample ID	OU2W-140-IA100A	OU2W-140-IA101	OU2W-140-IA102A	OU2W-140-IA103
				QC Code	FS	FS	FS	FS
				Sample Type	Indoor Air	Indoor Air	Indoor Air	Indoor Air
					Result Qual	Result Qual	Result Qual	Result Qual
1,1,1-Trichloroethane	3.1	2200	22000		0.82 U	0.82 U	0.82 U	0.82 U
1,1,2,2-Tetrachloroethane	<0.25	0.21	2.1		1 U	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.8	13000	130000		1.1 U	1.1 U	1.1 U	1.1 U
1,1,2-Trichloroethane	<0.25	0.77	7.7		0.82 U	0.82 U	0.82 U	0.82 U
1,1-Dichloroethane	<0.25	7.7	77		0.61 U	0.61 U	0.61 U	0.61 U
1,1-Dichloroethene	<0.25	88	880		0.16 U	0.16 U	0.16 U	0.16 U
1,2,4-Trichlorobenzene	3.4	0.88	8.8		1.1 U	1.1 UJ	1.1 U	1.1 UJ
1,2,4-Trimethylbenzene	9.5	3.1	31		**15**	**19**	**10**	**38**
1,2-Dibromoethane	<0.25	0.02	0.2		1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.52	NA	NA		1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	0.72	88	8.8		0.9 U	0.9 UJ	0.9 U	0.9 UJ
1,2-Dichloroethane	<0.25	0.47	4.7		0.61 U	0.61 U	0.61 U	0.61 U
1,2-Dichloropropane	<0.25	1.2	12		0.69 U	0.69 U	0.69 U	0.69 U
1,3,5-Trimethylbenzene	3.6	NA	NA		**5.3**	**5.5** J	**2.5**	**10**
1,3-Butadiene	4.6	0.41	4.1		0.33 U	0.33 U	0.33 U	0.33 U
1,3-Dichlorobenzene	0.6	NA	NA		0.9 U	0.9 U	0.9 U	0.9 U
1,4-Dichlorobenzene	1.3	1.1	11		0.9 U	0.9 U	0.9 U	0.9 U
1,4-Dioxane	NA	2.5	25		1.1 UJ	1.1 UJ	1.1 UJ	1.1 UJ
2-Butanone	16	2200	22000		**4.7**	**4.5** J	**1.2**	**4.2** J
2-Hexanone	NA	13	130		1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ
2-Propanol	NA	88	880		0.37 U	0.37 U	**18**	0.37 U
4-Ethyltoluene	NA	NA	NA		**5.8**	**6.3** J	**1.9**	**11**
4-Methyl-2-pentanone	2.2	1300	13000		1.2 UJ	1.2 UJ	1.2 UJ	1.2 UJ
Acetone	110	14000	140000		**69**	**120**	**50**	**100**
Allyl chloride	NA	2	20		0.47 U	0.47 U	0.47 U	0.47 U
Benzene	15	1.6	16		**12**	**13**	**5.5**	**10**
Benzyl chloride	NA	0.25	2.5		0.86 U	0.86 UJ	0.86 U	0.86 UJ
Bromodichloromethane	NA	0.33	3.3		1 U	1 U	1 U	1 U
Bromoform	NA	11	110		1.6 U	1.6 U	1.6 U	1.6 U
Bromomethane	0.6	2.2	22		0.58 U	0.58 U	0.58 U	0.58 U
Carbon disulfide	NA	310	3100		0.47 U	0.47 U	0.47 U	0.47 U
Carbon tetrachloride	0.81	2	20		**0.69**	**1.2**	**0.5**	0.19 U
Chlorobenzene	<0.25	22	220		0.69 U	0.69 U	0.69 U	0.69 U
Chloroethane	<0.25	4400	44000		0.4 U	0.4 U	0.4 U	0.4 U
Chloroform	1.4	0.53	5.3		0.73 U	0.73 U	0.73 U	0.73 U
Chloromethane	3.3	39	390		**1.1**	**0.85**	**0.85**	**0.81**
Cis-1,2-Dichloroethene	<0.25	NA	NA		0.16 U	0.16 U	0.16 U	**5**
Cis-1,3-Dichloropropene	<0.25	3.1	31		0.68 U	0.68 U	0.68 U	0.68 U
Cyclohexane	8.1	2600	26000		**6.1**	**5.4**	**2**	**4.4**
Dibromochloromethane	NA	NA	NA		1.3 U	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	15	44	440		**2.7**	**2.5**	**2.7**	**11**
Ethyl acetate	NA	31	310		0.54 U	0.54 UJ	**0.72**	**1.7** J
Ethylbenzene	7.4	4.9	49		**11**	**15**	**4.6**	**8.6**
Heptane	7.7	NA	NA		**15**	**20**	**3.9**	**11**
Hexachlorobutadiene	4.6	0.56	5.6		1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ
Hexane	18	310	3100		**38**	**25**	**8.8**	**23**
Isooctane	6.5	NA	NA		**32**	**24**	**7.2**	**17**
Methyl Tertbutyl Ether	27	47	470		0.54 U	0.54 UJ	0.54 U	0.54 UJ
Methylene chloride	22	1200	12000		**6.1**	**3.9**	**2.2**	**2.3**
Propylene	NA	1300	13000		0.26 U	0.26 U	0.26 U	**0.15** J
Styrene	1.3	440	4400		**3.3**	0.64 U	**1.9**	0.64 U
Tetrachloroethene (PCE)*	2.9	47	470		**2000**	**3300**	**79**	**340**
Tetrahydrofuran	3.3	880	8800		0.44 U	0.44 UJ	0.44 U	**15**
Toluene	58	2200	22000		**92**	**95**	**36**	**53**
trans-1,2-Dichloroethene	NA	NA	NA		0.59 U	0.59 U	0.59 U	0.59 U
trans-1,3-Dichloropropene	<0.25	3.1	31		0.68 U	0.68 U	0.68 U	0.68 U
Trichloroethene (TCE)*	0.48	3	30		0.16 U	0.16 U	0.16 U	**1.5**
Trichlorofluoromethane	17	NA	NA		**1.3**	**1.6**	**1.3**	**1.5**
Vinyl acetate	NA	88	880		0.53 U	0.53 U	0.53 U	0.53 U
Vinyl bromide	NA	0.38	3.8		0.66 U	0.66 U	0.66 U	0.66 U
Vinyl chloride	<0.25	2.8	28		0.1 U	0.1 U	0.1 U	0.1 U
Xylene, o	7.6	44	440		**13**	**18**	**5.8**	**14**
Xylenes (m&p)	12	NA	NA		**44**	**52**	**18**	**33**

Notes:
Results in micrograms per cubic meter (µg/M3)
Detections in Bold.
QC Code: FS = Field Sample; FD = Field Duplicate
90th Percentile = NYSDOH 2003 Study (From 2006 NYSDOH Vapor Intrusior Guidance Appendix C)
Indoor Air USEPA RSL (Regional Screening Level) = 2017 Composite Worker Air with a target cancer risk of $1x10^{6}$ and a target hazard quotient of 0.1.
* = Has New York State Guidance Value (NYDEC, 2017) (PCE = 30 µg/M3 ; TCE = 2 µg/M3)

Created By: KS 3/30/18
Checked By: CRS 3/30/18

ATTACHMENT 1

Field Data Records

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

1/2

Building Code: 140 Address: Building 140 – Babcock Street (OU2W)

Sampling Information

3-16-18 (8 pages)

Sampler Name(s): John Luttinger / Jason Trentini Sampler Company Code: Wood.

Sample Collection Date: 2/22/18 3-16-18 2/23/18 Date Samples Sent To Lab: 2-22 & 28-18

Sample Chain of Custody Number: C1802067 & C1803003 Outdoor Air Sample Location ID: OU2W-OUT-AA100

SUMMA Canister Information

Sample ID:	OU2W-140-SV100	OU2W-140-IA100	OU2W-140-IA103	OU2W-140-SV101	OU2W-140-IA101
Location Code:	NA	NA	NA	NA	NA
Location Type:	SV	IA	IA	SV	IA
Canister ID:	369	248	222	88	1192
Regulator ID:	1167	299	382	308	258
Matrix:	NA	NA	NA	NA	NA
Sampling Method:	Summa	Summa	Summa	Summa	Summa

Sampling Area Info

Slab Thickness (inches):	6"	NA	NA	6"	NA
Sub-Slab Material:	~~NA Concrete~~ 3-16-18	NA	NA	~~NA Concrete~~ 3-16-18	NA
Sub-Slab Moisture:	NA	NA	NA	NA	NA
Seal Type:	Clay	NA	NA	Clay	NA
Seal Adequate?:	☑	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	02212018 1410	02212018 1412	02212018 1415	02212018 1426	02212018 1430
Vacuum Gauge Start:	29.5	28.5	30+	30.5	30.5
Sample End Date/Time:	02222018 1410	NA	02222018 1405	2/22/2018 14:0~~5~~ 1415	02222018 1420
Vacuum Gauge End:	0	NA	5	~~1~~	.5
Sample Duration (hrs):	24	~~24~~ No 23.5 after 24 hrs	24	24	24
Vacuum Gauge Unit:	in Hg	~~in Hg~~	in Hg	in Hg	in Hg

Sample QA/QC Readings

Vapor Port Purge:	☑	☐	☐	☑	☑ QC
Purge PID Reading:	4500	NA	NA	175	NA
Purge PID Unit:	ppb	NA	NA	ppb	NA
Tracer Test Pass:	☑	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: 140 Address: Building 140 Babcock Street (OU2W)

Sampling Information

Sampler Name(s): John Luttinger / Jason Trentini Sampler Company Code: Wood.

Sample Collection Date: 2/22/18 ~~2/16/18~~ Date Samples Sent To Lab: 2-22&28-18

Sample Chain of Custody Number: C1802067 & C1803003 Outdoor Air Sample Location ID: OU2W-OUT-AA100

SUMMA Canister Information

		X	→ Re sample		
Sample ID:	OU2W-140-SV102	OU2W-140-IA102	OU2W-OUT AA100	OU2W-140-IA100A	OU2W-140-IA102A
Location Code:	NA	NA	NA	NA	NA
Location Type:	SV	IA	Outside	IA	IA
Canister ID:	539	1193	1173	1186	162
Regulator ID:	398	1158	385	438	443
Matrix:	NA	NA	NA	NA	NA
Sampling Method:	Summa	Summa	Summa	Summa	Summa

Sampling Area Info

Slab Thickness (inches):	6"	NA	NA	NA	NA
Sub-Slab Material:	~~Concrete~~ 3-16-18 NA	NA	NA	NA	NA
Sub-Slab Moisture:	NA	NA	NA	NA	NA
Seal Type:	Clay	NA	NA	NA	NA
Seal Adequate?:	☐	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	02212018 1440	02212018 1442	02212018 1450	02222018 1453	02222018 1500
Vacuum Gauge Start:	30+	30	29	28	30+
Sample End Date/Time:	02222018 1444	NA Submitted	02222018 1450	02232018 1456 02232018 1456	2.5 02232018 1505 02232018 1505
Vacuum Gauge End:	3	NA	0	0	2.5
Sample Duration (hrs):	24	~~0~~ 24	24	24	24
Vacuum Gauge Unit:	in Hg	~~X~~ in Hg	in Hg	in Hg	in Hg

Sample QA/QC Readings

Vapor Port Purge:	☑	☐	☐	☐	☐
Purge PID Reading:	5700	NA	NA	NA	NA
Purge PID Unit:	ppb	NA	NA	NA	NA
Tracer Test Pass:	☐	☐	☐	☐	☐

Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM

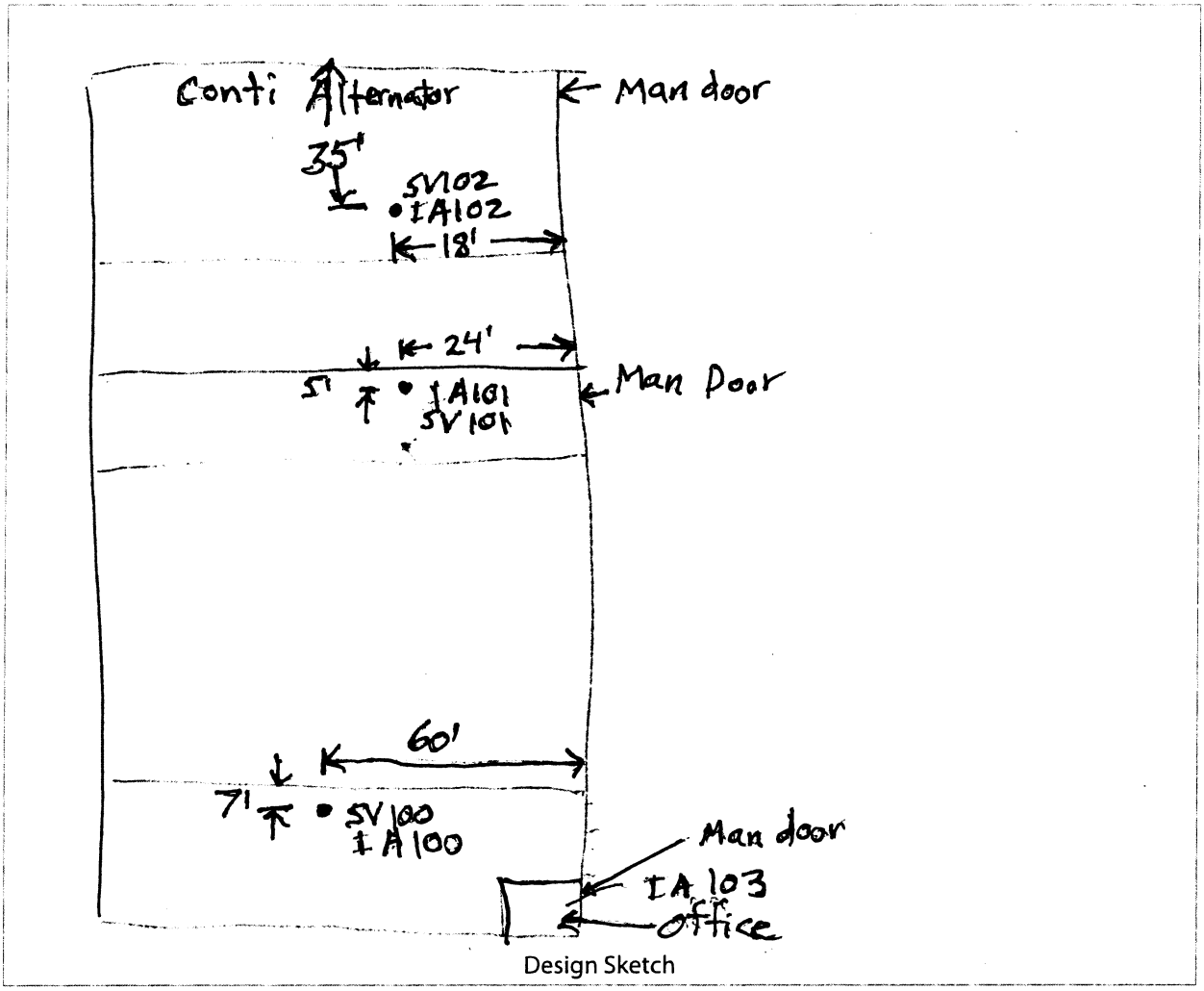
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the lowest building level . The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room den, kitchen, etc.) on the layout sket
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or F	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	**xxxxxxx**	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	**######**	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● FFET-1	Location and label of any pressure field test holes.

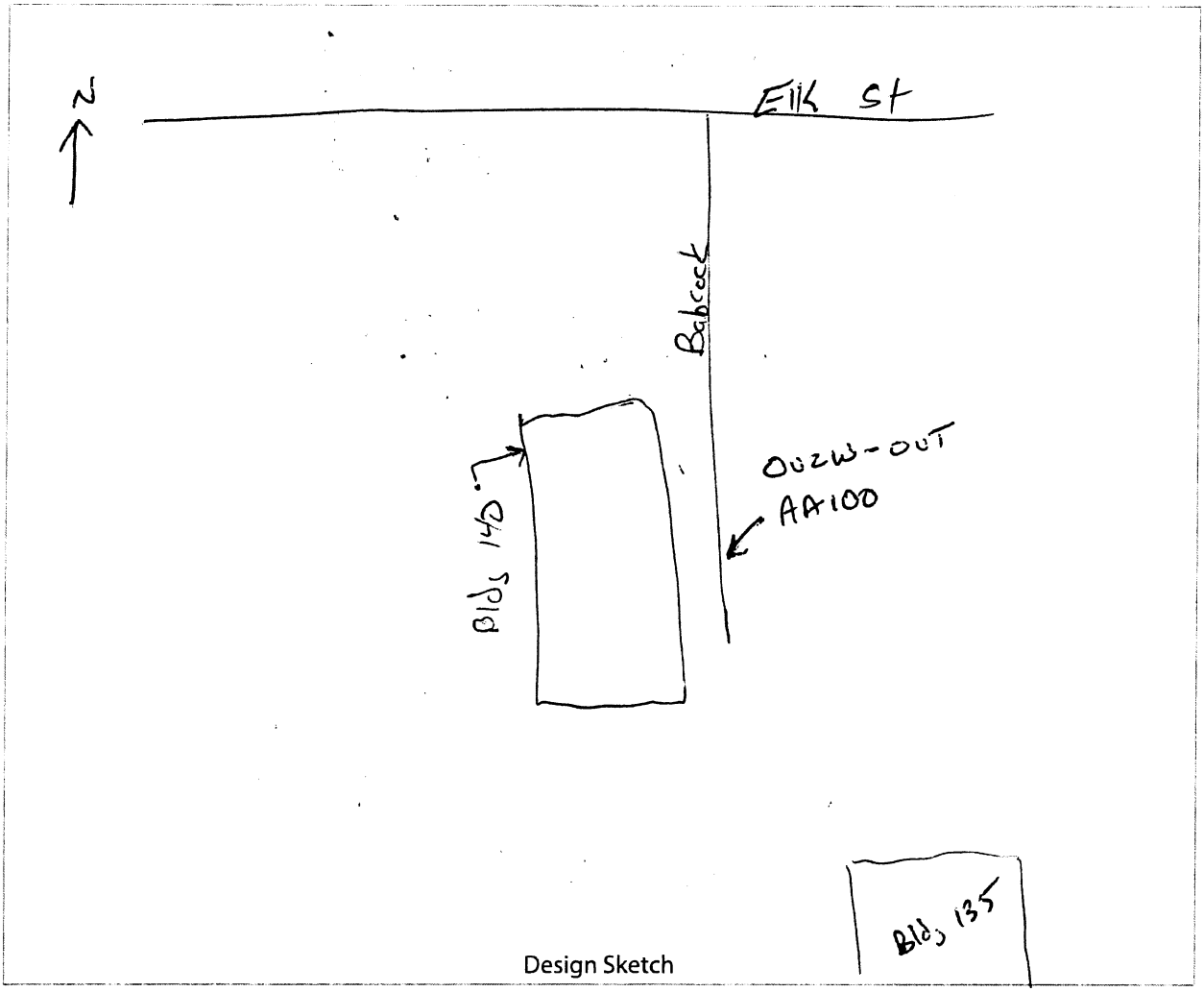
Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

OUTDOOR PLOT LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the outdoor plot of the building as well as the surrounding area. The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sketc
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or F	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	**xxxxxxx**	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	**######**	Areas of broken-up concrete
WS	Wood Stoves	● SS-1	Location & label of sub-slab samples
W/D	Washer / Dryer	● IA-1	Location & label of indoor air samples
S	Sumps	● OA-1	Location & label of outdoor air samples
@	Floor Drains	● FFET-1	Location and label of any pressure field test holes.

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: ExxonMobil Former Buffalo Terminal / Pinto Construction Site Code: 140 Operable Unit: OU 2-W

Building Code: 140 Building Name: #140

Address: 10 Babcock St Buffalo, NY Apt/Suite No: —

City: Buffalo State: NY Zip: P County: Erie

Contact Information

Preparer's Name: John Lottinger Phone No: 716 998 6973

Preparer's Affiliation: Amec FW Company Code: —

Purpose of Investigation: Due Diligence Date of Inspection: 2/8/18

Contact Name: Jim Panapinto Affiliation: Owner

Phone No: NA Alt. Phone No: NA Email: NA

Number of Occupants (total): Varies Number of Children: NA

☒ Occupant Interviewed? ☒ Owner Occupied? ☐ Owner Interviewed?

Owner Name (if different): NA Owner Phone: NA

Owner Mailing Address: NA

Building Details

Bldg Type (Res/Com/Ind/Mixed): Commercial Bldg Size (S/M/L): M

If Commercial or Industrial Facility, Select Operations: Repair Shop for heavy equip

If Residential Select Structure Type:

Number of Floors: 1 Approx. Year Construction: NA ☐ Building Insulated? ☐ Attached Garage?

Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests): Bldg used for storage of materials and repair of equipment. 12 entrance ways on east (3 doors + 9 OH doors)

Foundation Description

Foundation Type: Slab Foundation Depth (bgs): NA Unit: FEET

Foundation Floor Material: Concrete Foundation Floor Thickness: ~6

Foundation Wall Material: Concrete Foundation Wall Thickness: ~8 Unit: INCHES

☐ Floor penetrations? Describe Floor Penetrations: NA

☑ Wall penetrations? Describe Wall Penetrations: Over head doors

Basement is: NA Basement is: NA ☐ Sumps/Drains? Water In Sump?: NA

Describe Foundation Condition (cracks, seepage, etc.) : Minimal Cracks

☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating/Cooling/Ventilation Systems

Heating System: Hot Air Heat Fuel Type: Natural Gas ☐ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: NA Clothes Dryer Fuel Type: NA

Water Htr Vent Location: NA Dryer Vent Location: NA

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: Exxon Mobile Former Buffalo Terminal Site Code: 140 Operable Unit: OU2-W

Building Code: [illegible] Building Name: 140

Address: Babcock Street Apt/Suite No: —

City: Buffalo State: NY Zip: ? County: Erie

Factors Affecting Indoor Air Quailty

Frequency Basement/Lowest Level is Occupied?: Varies Floor Material: Concrete

☑ Inhabited? Varies ☑ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: NA ☑ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: NA

☐ Cleaning Products Used Recently?: Description of Cleaning Products: NA

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: NA

☐ New Carpet or Furniture? Location of New Carpet/Furniture: NA

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: NA

☐ Recent Painting/Staining? Location of New Painting: NA

☑ Solvent or Chemical Odors? Describe Odors (if any): Al Conti's Shop on North end

☑ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: Conti uses electric motor degreasers

☐ Recent Pesticide/Rodenticide? Description of Last Use: NA

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:

Entire building is a repair shop & storage for equip & supplies Vehicles parked in building. Equipment awaiting repair & equipment storage.

☐ Any Prior Testing For Radon? If So, When?: Unknown

☐ Any Prior Testing For VOCs? If So, When?: Unknown

Sampling Conditions

Weather Conditions: 10°-15° F, Partly Cloudy Outdoor Temperature: NA °F

Current Building Use: Industrial Shops & storage Barometric Pressure: NA in(hg)

Product Inventory Complete? Yes ☒ Building Questionnaire Completed?

Structure Sampling Questionnaire and Building Inventory
New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: #140 Bldg Code: 140 Date: 2/8/18

Bldg Address: 10 Babcock St Apt/Suite No: —

Bldg City/State/Zip: Buffalo, NY

Make and Model of PID: ppbRAE 3000 Date of Calibration: 2/8/18

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
Bay with SV100 & #A100	Sealtite 1100 Clear Series VOC Compliant	5gal X6	New	See photo	370-380 ppb	☐
	Chem Plug Hydraulic Cement	5gal x15	New			☐
	L&M Cure Curing Compound	5g x 19	New			☐
	Henry 19 Binder/Tack Emulsion	5g x4	New			☐
	PS 2000 Sealer	5g x5	New			☐
	Super Diamond Clear 350	5g x2	New			☐
	Urethane Alkyd Enamel Safety Yellow Paint	1g x2	New			☐
	UPM Permanent Pavement Repair Material	50lb x24	New			☐
	Misc Wetting Agents & hydraulic Fluid	1 Pallet	New			☐
	Brak leen	1 Can	New			☐
	PB Blaster	1gal	Used			☐
	Oatey Flow Guard Cement	4oz	Used			☐
	Locktite Hi Tack Gasket Sealer	16oz x2	Used			☐
	Gas & Diesel IN Cans & equipment awaiting	repair				☐
						☐
						☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? Yes Were there any elevated PID readings taken on site? Yes ☐ Products with COC?

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: #140 Bldg Code: 140 Date: 2/8/18

Bldg Address: Babcock St. Apt/Suite No: —

Bldg City/State/Zip: Buffalo, NY

Make and Model of PID: ppb RAE 3000 Date of Calibration: 2/8/18

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
SV101 + IA101	Gas Cans	Varies	Used	Gas	470-496 ppb	☐
	Air Tool Lubricant DATL 128W	2 gal	Used	See Photo	↓	☐
	Lock Stop Primer adhesive	1 gal	New			☐
	Traffic Striping Paint - Rust-oleum	1 gal	Used		↓	☐
IA102 SV102	Degreasing fluid Provided by Safety Clean			largest contributor to indoor air - washer lid open	6000+ ppb	☐
	Ignition Sealer Castle Kleer Kote	1 can	Used		1100 - 1800 ppb	☐
	Blaster multi purpose lubricant	4 cans	Used			☐
	West System 105 Epoxy Resin	1 qt	Used			☐
	Johnsons Battery Terminal Protector	1 qt	Used			☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**

** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? Yes Were there any elevated PID readings taken on site? Yes ☐ Products with COC?

Exxon Mobil Elk Street – OU-2 West SVI Sampling

Client: ESCP LLC	***Project Number:*** 3617167937.10.01
Site Name: Exxon Mobil Elk Street	***Site Location:*** Buffalo, New York

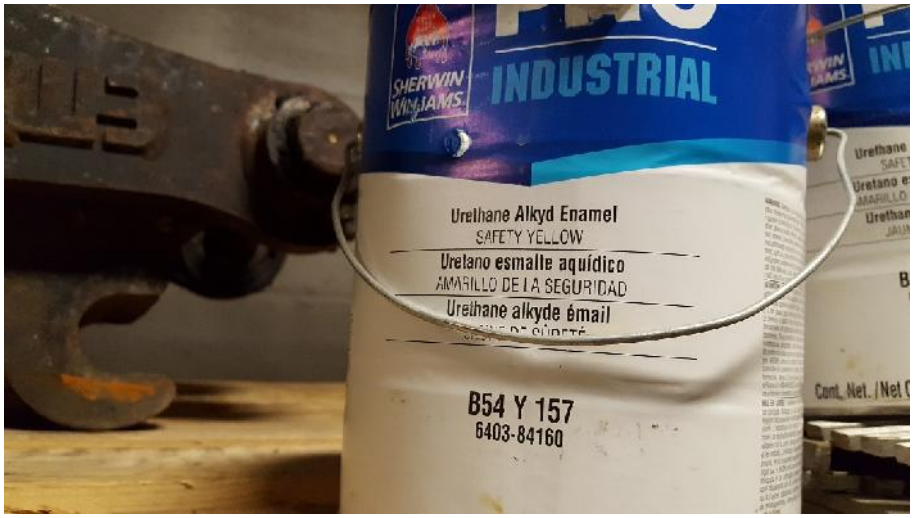
Photographer: Jason Trentini ***Date:*** 2/08/2018 ***Photograph:*** 268 ***Direction:*** NA ***Description:*** Helium Test Equipment	
Photographer: Jason Trentini ***Date:*** 2/08/2018 ***Photograph:*** 092 ***Direction:*** North ***Description:*** Building 140 Sample Location ID: OU2W-140-IA100	

Exxon Mobil Elk Street – OU-2 West SVI Sampling

Client: ESCP LLC	***Project Number:*** 3617167937.10.01
Site Name: Exxon Mobil Elk Street	***Site Location:*** Buffalo, New York

Photographer: Jason Trentini ***Date:*** 2/08/2018 ***Photograph:*** 094 ***Direction:*** North ***Description:*** Building 140 Sample Location ID: OU2W-140-IA100	
Photographer: Jason Trentini ***Date:*** 2/08/2018 ***Photograph:*** 096 ***Direction:*** North ***Description:*** Building 140 Sample Location ID: OU2W-140-IA100	

Exxon Mobil Elk Street – OU-2 West SVI Sampling			
Client: ESCP LLC		***Project Number:*** 3617167937.10.01	
Site Name: Exxon Mobil Elk Street		***Site Location:*** Buffalo, New York	
Photographer: Jason Trentini			
Date: 2/08/2018			
Photograph: 097			
Direction: West			
Description: Building 140 Sample Location ID: OU2W-140-IA100			
Photographer: Jason Trentini			
Date: 2/08/2018			
Photograph: 098			
Direction: West			
Description: Building 140 Sample Location ID: OU2W-140-IA100			

Exxon Mobil Elk Street – OU-2 West SVI Sampling			
Client: ESCP LLC		***Project Number:*** 3617167937.10.01	
Site Name: Exxon Mobil Elk Street		***Site Location:*** Buffalo, New York	
Photographer: Jason Trentini			
Date: 2/08/2018			
Photograph: 099			
Direction: West			
Description: Building 140 Sample Location ID: OU2W-140-IA100			
Photographer: Jason Trentini			
Date: 2/08/2018			
Photograph: 100			
Direction: West			
Description: Building 140 Sample Location ID: OU2W-140-IA100			

Exxon Mobil Elk Street – OU-2 West SVI Sampling	
Client: ESCP LLC	***Project Number:*** 3617167937.10.01
Site Name: Exxon Mobil Elk Street	***Site Location:*** Buffalo, New York
Photographer: Jason Trentini ***Date:*** 2/08/2018 ***Photograph:*** 101 ***Direction:*** West ***Description:*** Building 140 Sample Location ID: OU2W-140-IA100	
Photographer: Jason Trentini ***Date:*** 2/08/2018 ***Photograph:*** 102 ***Direction:*** South ***Description:*** Building 140 Sample Location ID: OU2W-140-IA100	

Exxon Mobil Elk Street – OU-2 West SVI Sampling			
Client: ESCP LLC		***Project Number:*** 3617167937.10.01	
Site Name: Exxon Mobil Elk Street		***Site Location:*** Buffalo, New York	
Photographer: Jason Trentini			
Date: 2/08/2018			
Photograph: 103			
Direction: South			
Description: Building 140 Sample Location ID: OU2W-140-IA100			
Photographer: Jason Trentini			
Date: 2/08/2018			
Photograph: 104			
Direction: South			
Description: Building 140 Sample Location ID: OU2W-140-IA100 **Brakleen contains 65-80% tetrachloroethene**			

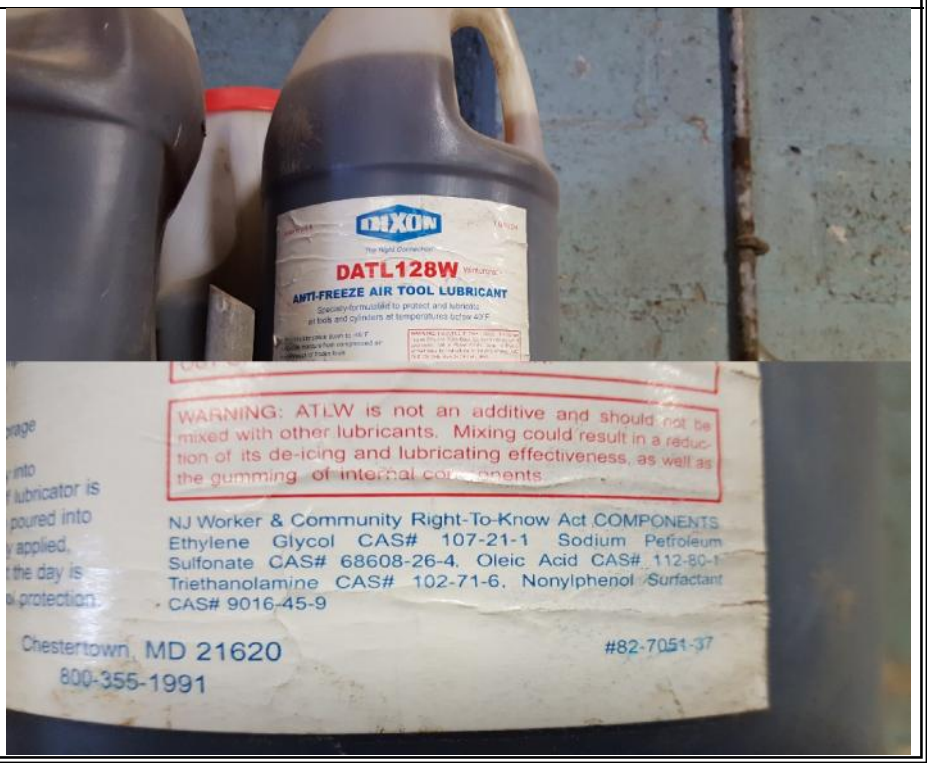
Exxon Mobil Elk Street – OU-2 West SVI Sampling	
Client: ESCP LLC	***Project Number:*** 3617167937.10.01
Site Name: Exxon Mobil Elk Street	***Site Location:*** Buffalo, New York
Photographer: Jason Trentini ***Date:*** 2/08/2018 ***Photograph:*** 105 ***Direction:*** South ***Description:*** Building 140 Sample Location ID: OU2W-140-IA100	
Photographer: Jason Trentini ***Date:*** 2/08/2018 ***Photograph:*** 106 ***Direction:*** South ***Description:*** Building 140 Sample Location ID: OU2W-140-IA100	

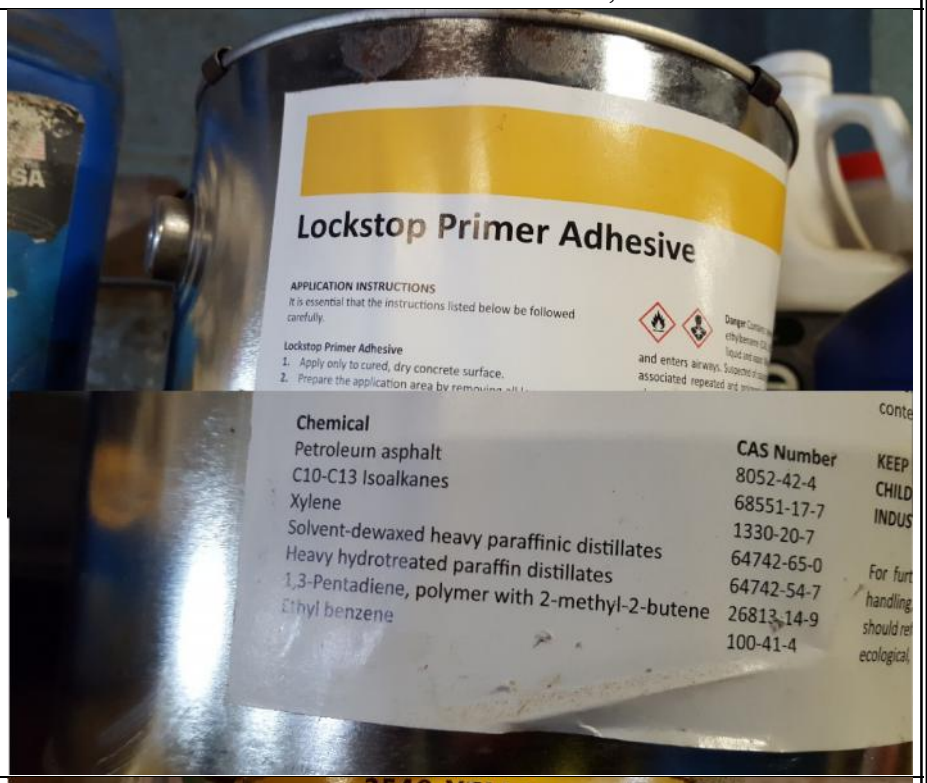
Exxon Mobil Elk Street – OU-2 West SVI Sampling			
Client: ESCP LLC		***Project Number:*** 3617167937.10.01	
Site Name: Exxon Mobil Elk Street		***Site Location:*** Buffalo, New York	
Photographer: Jason Trentini			
Date: 2/08/2018			
Photograph: 107			
Direction: South			
Description: Building 140 Sample Location ID: OU2W-140-IA100			
Photographer: Jason Trentini			
Date: 2/08/2018			
Photograph: 108			
Direction: South			
Description: Building 140 Sample Location ID: OU2W-140-IA100			

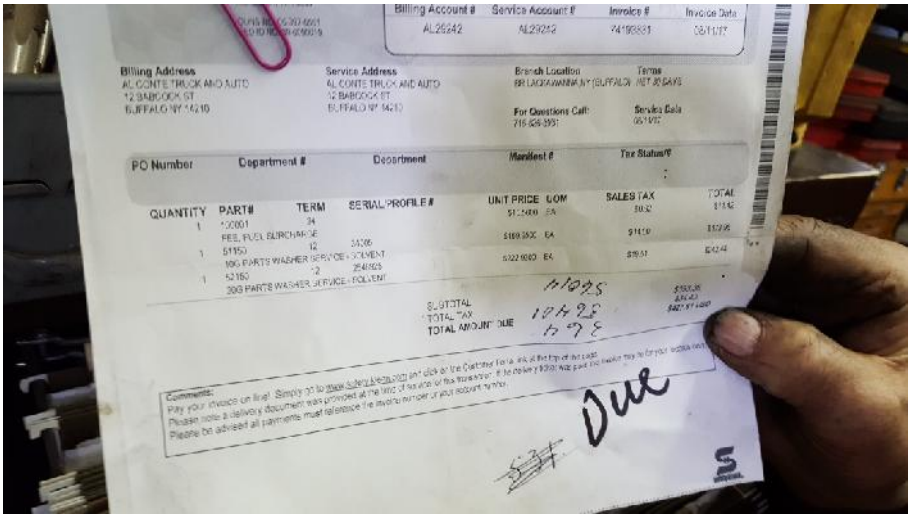
Exxon Mobil Elk Street – OU-2 West SVI Sampling

Client: ESCP LLC	***Project Number:*** 3617167937.10.01
Site Name: Exxon Mobil Elk Street	***Site Location:*** Buffalo, New York

Photographer: Jason Trentini ***Date:*** 2/08/2018 ***Photograph:*** 109 ***Direction:*** South ***Description:*** Building 140 Sample Location ID: OU2W-140-IA100	
Photographer: Jason Trentini ***Date:*** 2/08/2018 ***Photograph:*** 111 ***Direction:*** South ***Description:*** Building 140 Sample Location ID: OU2W-140-IA101	

Exxon Mobil Elk Street – OU-2 West SVI Sampling			
Client: ESCP LLC		***Project Number:***	3617167937.10.01
Site Name: Exxon Mobil Elk Street		***Site Location:***	Buffalo, New York
Photographer: Jason Trentini			
Date: 2/08/2018			
Photograph: 112			
Direction: South			
Description: Building 140 Sample Location ID: OU2W-140-IA101			
Photographer: Jason Trentini			
Date: 2/08/2018			
Photograph: 113			
Direction: South			
Description: Building 140 Sample Location ID: OU2W-140-IA101			

Exxon Mobil Elk Street – OU-2 West SVI Sampling			
Client: ESCP LLC		***Project Number:*** 3617167937.10.01	
Site Name: Exxon Mobil Elk Street		***Site Location:*** Buffalo, New York	
Photographer: Jason Trentini ***Date:*** 2/08/2018 ***Photograph:*** 119 ***Direction:*** South ***Description:*** Building 140 Sample Location ID: OU2W-140-IA101			
Photographer: Jason Trentini ***Date:*** 2/08/2018 ***Photograph:*** 120 ***Direction:*** North ***Description:*** Building 140 Sample Location ID: OU2W-140-IA101			

Exxon Mobil Elk Street – OU-2 West SVI Sampling	
Client: ESCP LLC	***Project Number:*** 3617167937.10.01
Site Name: Exxon Mobil Elk Street	***Site Location:*** Buffalo, New York
Photographer: Jason Trentini ***Date:*** 2/08/2018 ***Photograph:*** 127 ***Direction:*** West ***Description:*** Building 140 Sample Location ID: OU2W-140-IA102 (Al Conti's parts washers)	
Photographer: Jason Trentini ***Date:*** 2/08/2018 ***Photograph:*** 122 ***Direction:*** West ***Description:*** Building 140 Sample Location ID: OU2W-140-IA102 (Al Conti's Safety-Kleen Invoice for parts washer solvent disposal)	

Exxon Mobil Elk Street – OU-2 West SVI Sampling	
Client: ESCP LLC	***Project Number:*** 3617167937.10.01
Site Name: Exxon Mobil Elk Street	***Site Location:*** Buffalo, New York
Photographer: Jason Trentini ***Date:*** 2/08/2018 ***Photograph:*** 128 ***Direction:*** North ***Description:*** Building 140 Sample Location ID: OU2W-140-IA102	
Photographer: Jason Trentini ***Date:*** 2/08/2018 ***Photograph:*** 130 ***Direction:*** South ***Description:*** Building 140 Sample Location ID: OU2W-140-IA102	

Exxon Mobil Elk Street – OU-2 West SVI Sampling	
Client: ESCP LLC	***Project Number:*** 3617167937.10.01
Site Name: Exxon Mobil Elk Street	***Site Location:*** Buffalo, New York
Photographer: Jason Trentini ***Date:*** 2/08/2018 ***Photograph:*** 131 ***Direction:*** North ***Description:*** Building 140 Sample Location ID: OU2W-140-IA102	
Photographer: Jason Trentini ***Date:*** 2/08/2018 ***Photograph:*** 133 ***Direction:*** East ***Description:*** Building 140 Sample Location ID: OU2W-140-IA102	

ATTACHMENT 2

Chemist Review and Laboratory Results

Data Quality Review

Site Name: Exxon Mobil – Elk Street Buffalo
Project Number: 3617167397.10.01
Laboratory Name: Centek Laboratories
SDG Number: C1802067 and C1803003
Sample IDs: OU2W-140-SV100, OU2W-140-SV101, OU2W-140-SV102, OU2W-140-IA101, OU2W-140-IA103, OU2W-OUT-AA100, OU2W-140-IA100A, and OU2W-140-IA102A

Data Reviewed	**Analysis**
	EPA TO-15
Chain of Custody (COC)	√
Media Certification	√
Holding Time	√
Method Blanks	√
Laboratory Control Sample (LCS)	The LCS and/or LCSD recoveries associated with all samples were outside of acceptance criteria for 2-hexanone (68%/34%), 1,2,4-trichlorobenzene (LCSD 45%), 1,2,4-trimethylbenzene (LCSD 55%), 1,2-dichlorobenzene (LCSD 68%), 1,3,5-trimethylbenzene (LCSD 66%), 1,4-dioxane (LCSD 39%), 4-ethyltoluene (LCSD 66%), benzyl chloride (LCSD 59%), ethyl acetate (LCSD 53%), hexachlorobutadiene (LCSD 57%), 2-butanone (LCSD 47%), 4-methyl-2-pentanone (LCSD 36%), methyl tert butyl ether (LCSD 68%), and tetrahydrofuran (LCSD 62%). UJ/J-qualify 2-hexanone, 1,2,4-trichlorobenzene, 1,2-dichlorobenzene, 1,4-dioxane, benzyl chloride, hexachlorobutadiene, 4-methyl-2-pentanone, methyl tert butyl ether, and tetrahydrofuran in all samples due to potential low bias. UJ/J-qualify 1,2,4-trimethylbenzene in samples OU2W-140-SV102 and OU2W-OUT-AA100 due to potential low bias. UJ/J-qualify 1,3,5-trimethylbenzene and 4-ethyltoluene in all samples except for OU2W-140-IA103, due to the potential low bias. J-qualify 2-butanone in all samples except for OU2W-140-SV101, due to the potential low bias. UJ/J-qualify ethyl acetate in samples OU2W-140-IA101, OU2W-140-IA103, OU2W-140-SV102, and OU2W-OUT-AA100 due to the potential low bias. (UJ/J-LCS-L). The LCS/LCSD RPDs associated with all samples were outside of acceptance criteria for 1,1,2,2-tetrachloroethane (33.9%), 1,2,4-trichlorobenzene (63.6%), 1,2,4-trimethylbenzene (54.3%), 1,2-dichlorobenzene (45.5%), 1,3,5-trimethylbenzene (49.1%), 1,3-dichlorobenzene (34.8%), 1,4-dichlorobenzene (37.4%), 1,4-dioxane (64.3%), 4-ethyltoluene (45.6%), benzyl chloride (40.5%), ethyl acetate (48.6%), hexachlorobutadiene (61.8%), 2-propanol (45.7%), 2-hexanone (66.7%), 2-butanone (59.7%), 4-methyl-2-pentanone (70.3%), and o-xylene (30.3%). J-qualify detected 1,2,4-trimethylbenzene and o-xylene in samples OU2W-140-SV102 and OU2W-OUT-AA100 due to the imprecision. J-qualify detected 1,3,5-trimethylbenzene, and 4-ethyltoluene in samples OU2W-140-IA101, OU2W-140-SV100, and OU2W-140-SV102 due to the imprecision. J-qualify detected ethyl acetate in samples OU2W-140-IA103 and OU2W-OUT-AA100 due to the imprecision. J-qualify detected 2-butanone in all samples except for OU2W-140-SV101, due to the imprecision. All other analytes were ND in associated samples and not impacted by the imprecision. (J-LCS-RPD) The LCS and/or LCSD recoveries associated with samples OU2W-140-IA100A and OU2W-140-IA102A were below acceptance criteria for 1,4-dioxane (60%/32%), hexachlorobutadiene (LCSD 63%), 2-hexanone (LCSD 29%), and 4-methyl-2-pentanone (67%/20%). UJ-qualify 1,4-dioxane, hexachlorobutadiene, 2-hexanone, and 4-methyl-2-pentanone in the associated samples due to the potential low bias. (UJ-LCS-L) The LCS/LCSD RPD was outside of acceptance criteria for 1,4-dioxane (60.9%). The associated samples were ND and not impacted by the imprecision.

Data Reviewed	Analysis
	EPA TO-15
Field Duplicates	A field duplicate was not submitted with this SDG.
Matrix Duplicate	A laboratory duplicate was not reported with this SDG.
Internal Standards	Internal standard chlorobenzene-d5 recovered high in the undiluted analysis of sample OU2W-140-SV102. Sample was reanalyzed on dilution due to elevated concentrations of target analytes and the internal standards were within criteria. The analytes reported from the undiluted analysis, and associated with chlorobenzene-d5, were qualified as estimated. UJ/J- qualify ethylbenzene, styrene, benzyl chloride, 1,4-dichlorobenzene, 1,2-dibromomethane, 1,3,5-trimethylbenzene, 4-methyl-2-pentanone, chlorobenzene, 1,3-dichlorobenzene, 2-hexanone, 1,2,4-trichlorobenzene, dibromochloromethane, m&p xylenes, 4-ethyltoluene, bromoform, hexachlorobutadiene, 1,2-dichlorobenzene, 1,2,4-trimethylbenzene, o-xylene, and 1,1,2,2-tetrachloroethane in sample OU2W-140-SV102 due to the potential low analytical bias. (UJ/J-IS-H)
Canister Vacuum (Pre-Sampling, Field Readings, Post-Sampling)	Samples designated OU2W-140-SV100 and OU2W-OUT-AA100 had a recorded field final vacuum pressure of 0" Hg. The final pressure recorded by the laboratory of the associated canisters were -2" Hg for both samples. Since the sample was received at the laboratory with sufficient vacuum after sampling, no qualifications are necessary.
Canister/Flow Controller Serial Numbers & Date Released from Laboratory	Canister and flow controller serial numbers are recorded on the field forms and the laboratory reports. Date canisters released from laboratory provided on canister order form.
Flow Controller Calibration RPD	Not provided by the laboratory.
Tentatively Identified Compounds (TICs)	TICs were not requested with this SDG.
Compound List	√
Sampling Information	Sample collection start and stop times were not recorded on the chain of custody but were confirmed on field sampling forms.
General Reporting Issues (Deficiencies noted in Narrative)	None
Tracer Gas Evaluation (Soil Vapor Samples Only)	Helium was used and evaluated at location OU2W-140-SV100 and was within NYSDOH criteria.
Other Issues	None

Notes:
ND = Non-detect
RPD = Relative Percent Difference
√ = Data Reviewed is to be considered acceptable within criteria and without qualification

Qualifiers:
J = Estimated
R = Data is rejected and not suitable for use
UJ = Reporting limit is considered estimated
U = Non-detect

Reason Code:
IS-H = Internal standard recovery above upper control limit
LCS-L = Laboratory control sample % recovery below lower control limit
LCS-RPD = Laboratory control sample duplicate RPD above limit

Data Reviewer: Elizabeth Penta
Senior Reviewer: Denise King
Date: 03/13/2018 and 03/28/2018

Centek Laboratories, LLC

Date: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	**Client Sample ID:**	OU2W-140-SV100
Lab Order:	C1802067	**Tag Number:**	368 1167
Project:	Elk Street Buffalo - SVI	**Collection Date:**	2/22/2018
Lab ID:	C1802067-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-2			"Hg		2/23/2018
Lab Vacuum Out	-30			"Hg		2/23/2018
1UG/M3 BY METHOD TO15		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
1,1-Dichloroethene	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
1,2,4-Trimethylbenzene	2.6	1.4		ppbV	9	2/25/2018 12:51:00 AM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
1,3,5-Trimethylbenzene	0.86	0.15		ppbV	1	2/23/2018 11:16:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/23/2018 11:16:00 PM
2,2,4-trimethylpentane	4.4	1.4		ppbV	9	2/25/2018 12:51:00 AM
4-ethyltoluene	0.97	0.15		ppbV	1	2/23/2018 11:16:00 PM
Acetone	50	27		ppbV	90	2/25/2018 1:28:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
Benzene	5.5	1.4		ppbV	9	2/25/2018 12:51:00 AM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
Bromoform	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
Carbon tetrachloride	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
Chloroform	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
Chloromethane	0.26	0.15		ppbV	1	2/23/2018 11:16:00 PM
cis-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
Cyclohexane	2.1	0.15		ppbV	1	2/23/2018 11:16:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
Ethyl acetate	5.5	1.4		ppbV	9	2/25/2018 12:51:00 AM

Qualifiers:

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

Centek Laboratories, LLC

Date: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	Client Sample ID:	OU2W-140-SV100
Lab Order:	C1802067	Tag Number:	368 1167
Project:	Elk Street Buffalo - SVI	Collection Date:	2/22/2018
Lab ID:	C1802067-001A	Matrix:	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		TO-15				Analyst: RJP
Ethylbenzene	3.1	1.4		ppbV	9	2/25/2018 12:51:00 AM
Freon 11	0.40	0.15		ppbV	1	2/23/2018 11:16:00 PM
Freon 113	0.12	0.15	J	ppbV	1	2/23/2018 11:16:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
Freon 12	0.52	0.15		ppbV	1	2/23/2018 11:16:00 PM
Heptane	5.5	1.4		ppbV	9	2/25/2018 12:51:00 AM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
Hexane	11	1.4		ppbV	9	2/25/2018 12:51:00 AM
Isopropyl alcohol	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
m&p-Xylene	12	2.7		ppbV	9	2/25/2018 12:51:00 AM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	2/23/2018 11:16:00 PM
Methyl Ethyl Ketone	1.7	0.30		ppbV	1	2/23/2018 11:16:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	2/23/2018 11:16:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
Methylene chloride	0.99	0.15		ppbV	1	2/23/2018 11:16:00 PM
o-Xylene	4.2	1.4		ppbV	9	2/25/2018 12:51:00 AM
Propylene	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
Styrene	0.67	0.15		ppbV	1	2/23/2018 11:16:00 PM
Tetrachloroethylene	81	14		ppbV	90	2/25/2018 1:28:00 AM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
Toluene	29	14		ppbV	90	2/25/2018 1:28:00 AM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
Trichloroethene	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
Vinyl chloride	< 0.15	0.15		ppbV	1	2/23/2018 11:16:00 PM
Surr: Bromofluorobenzene	104	70-130		%REC	1	2/23/2018 11:16:00 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: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	Client Sample ID:	OU2W-140-SV100
Lab Order:	C1802067	Tag Number:	368 1167
Project:	Elk Street Buffalo - SVI	Collection Date:	2/22/2018
Lab ID:	C1802067-001A	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	2/23/2018 11:16:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/23/2018 11:16:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/23/2018 11:16:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/23/2018 11:16:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	2/23/2018 11:16:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1	UJ-LCS L	ug/m3	1	2/23/2018 11:16:00 PM
1,2,4-Trimethylbenzene	13	6.9		ug/m3	9	2/25/2018 12:51:00 AM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/23/2018 11:16:00 PM
1,2-Dichlorobenzene	< 0.90	0.90	UJ-LCS-L	ug/m3	1	2/23/2018 11:16:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	2/23/2018 11:16:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/23/2018 11:16:00 PM
1,3,5-Trimethylbenzene	4.2	0.74	J-LCS L,	ug/m3	1	2/23/2018 11:16:00 PM
1,3-butadiene	< 0.33	0.33	LCS-RPD	ug/m3	1	2/23/2018 11:16:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/23/2018 11:16:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/23/2018 11:16:00 PM
1,4-Dioxane	< 1.1	1.1	UJ-LCS L	ug/m3	1	2/23/2018 11:16:00 PM
2,2,4-trimethylpentane	21	6.5		ug/m3	9	2/25/2018 12:51:00 AM
4-ethyltoluene	4.8	0.74	J-LCS L,	ug/m3 LCS RPD	1	2/23/2018 11:16:00 PM
Acetone	120	64		ug/m3	90	2/25/2018 1:28:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/23/2018 11:16:00 PM
Benzene	18	4.5		ug/m3	9	2/25/2018 12:51:00 AM
Benzyl chloride	< 0.86	0.86	UJ-LCS-L	ug/m3	1	2/23/2018 11:16:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/23/2018 11:16:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	2/23/2018 11:16:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	2/23/2018 11:16:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	2/23/2018 11:16:00 PM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	2/23/2018 11:16:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/23/2018 11:16:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	2/23/2018 11:16:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	2/23/2018 11:16:00 PM
Chloromethane	0.54	0.31		ug/m3	1	2/23/2018 11:16:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/23/2018 11:16:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/23/2018 11:16:00 PM
Cyclohexane	7.1	0.52		ug/m3	1	2/23/2018 11:16:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/23/2018 11:16:00 PM
Ethyl acetate	20	5.0		ug/m3	9	2/25/2018 12:51:00 AM
Ethylbenzene	13	6.1		ug/m3	9	2/25/2018 12:51:00 AM
Freon 11	2.2	0.84		ug/m3	1	2/23/2018 11:16:00 PM
Freon 113	0.92	1.1	J	ug/m3	1	2/23/2018 11:16:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	2/23/2018 11:16:00 PM

Qualifiers:

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

Centek Laboratories, LLC

Date: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	Client Sample ID:	OU2W-140-SV100
Lab Order:	C1802067	Tag Number:	368 1167
Project:	Elk Street Buffalo - SVI	Collection Date:	2/22/2018
Lab ID:	C1802067-001A	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	2/23/2018 11:16:00 PM
Heptane	22	5.7		ug/m3	9	2/25/2018 12:51:00 AM
Hexachloro-1,3-buladiene	< 1.6	1.6	UJ-LCS-L	ug/m3	1	2/23/2018 11:16:00 PM
Hexane	39	4.9		ug/m3	9	2/25/2018 12:51:00 AM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	2/23/2018 11:16:00 PM
m&p-Xylene	54	12		ug/m3	9	2/25/2018 12:51:00 AM
Methyl Butyl Ketone	< 1.2	1.2	UJ-LCS-L	ug/m3	1	2/23/2018 11:16:00 PM
Methyl Ethyl Ketone	4.9	0.88	J-LCS-L	ug/m3	LCS-RPD 1	2/23/2018 11:16:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2	UJ-LCS-L	ug/m3	1	2/23/2018 11:16:00 PM
Methyl tert-butyl ether	< 0.54	0.54	UJ-LCS-L	ug/m3	1	2/23/2018 11:16:00 PM
Methylene chloride	3.4	0.52		ug/m3	1	2/23/2018 11:16:00 PM
o-Xylene	18	6.1		ug/m3	9	2/25/2018 12:51:00 AM
Propylene	< 0.26	0.26		ug/m3	1	2/23/2018 11:16:00 PM
Styrene	2.9	0.64		ug/m3	1	2/23/2018 11:16:00 PM
Tetrachloroethylene	550	95		ug/m3	90	2/25/2018 1:28:00 AM
Tetrahydrofuran	< 0.44	0.44	UJ-LCS-L	ug/m3	1	2/23/2018 11:16:00 PM
Toluene	110	53		ug/m3	90	2/25/2018 1:28:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/23/2018 11:16:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/23/2018 11:16:00 PM
Trichloroethene	< 0.81	0.81		ug/m3	1	2/23/2018 11:16:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/23/2018 11:16:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/23/2018 11:16:00 PM
Vinyl chloride	< 0.38	0.38		ug/m3	1	2/23/2018 11:16:00 PM

Qualifiers:

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

Centek Laboratories, LLC

Date: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	Client Sample ID:	OU2W-140-SV101
Lab Order:	C1802067	Tag Number:	88 308
Project:	Elk Street Buffalo - SVI	Collection Date:	2/22/2018
Lab ID:	C1802067-002A	Matrix:	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-2			"Hg		2/23/2018
Lab Vacuum Out	-30			"Hg		2/23/2018
1UG/M3 BY METHOD TO15		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
1,1-Dichloroethene	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
1,2,4-Trimethylbenzene	3.5	4.0	J	ppbV	27	2/25/2018 2:08:00 AM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
1,2-Dichloroethane	0.39	0.15		ppbV	1	2/23/2018 11:56:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/23/2018 11:56:00 PM
2,2,4-trimethylpentane	120	40		ppbV	270	2/25/2018 2:45:00 AM
4-ethyltoluene	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Acetone	21	8.1		ppbV	27	2/25/2018 2:08:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Benzene	17	4.0		ppbV	27	2/25/2018 2:08:00 AM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Bromoform	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Carbon disulfide	19	4.0		ppbV	27	2/25/2018 2:08:00 AM
Carbon tetrachloride	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Chloroform	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Chloromethane	1.0	0.15		ppbV	1	2/23/2018 11:56:00 PM
cis-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Cyclohexane	27	4.0		ppbV	27	2/25/2018 2:08:00 AM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Ethyl acetate	3.0	4.0	J	ppbV	27	2/25/2018 2:08:00 AM

Qualifiers:

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

Centek Laboratories, LLC

Date: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	Client Sample ID:	OU2W-140-SV101
Lab Order:	C1802067	Tag Number:	88 308
Project:	Elk Street Buffalo - SVI	Collection Date:	2/22/2018
Lab ID:	C1802067-002A	Matrix:	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		TO-15				Analyst: RJP
Ethylbenzene	3.2	4.0	J	ppbV	27	2/25/2018 2:08:00 AM
Freon 11	0.14	0.15	J	ppbV	1	2/23/2018 11:56:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Freon 12	0.30	0.15		ppbV	1	2/23/2018 11:56:00 PM
Heptane	6.5	4.0		ppbV	27	2/25/2018 2:08:00 AM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Hexane	18	4.0		ppbV	27	2/25/2018 2:08:00 AM
Isopropyl alcohol	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
m&p-Xylene	11	8.1		ppbV	27	2/25/2018 2:08:00 AM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	2/23/2018 11:56:00 PM
Methyl Ethyl Ketone	4.0	8.1	J	ppbV	27	2/25/2018 2:08:00 AM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	2/23/2018 11:56:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Methylene chloride	4.3	4.0		ppbV	27	2/25/2018 2:08:00 AM
o-Xylene	4.0	4.0		ppbV	27	2/25/2018 2:08:00 AM
Propylene	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Styrene	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Tetrachloroethylene	260	40		ppbV	270	2/25/2018 2:45:00 AM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Toluene	19	4.0		ppbV	27	2/25/2018 2:08:00 AM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Trichloroethene	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Vinyl chloride	< 0.15	0.15		ppbV	1	2/23/2018 11:56:00 PM
Surr: Bromofluorobenzene	104	70-130		%REC	1	2/23/2018 11:56:00 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: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	Client Sample ID:	OU2W-140-SV101
Lab Order:	C1802067	Tag Number:	88 308
Project:	Elk Street Buffalo - SVI	Collection Date:	2/22/2018
Lab ID:	C1802067-002A	Matrix:	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	2/23/2018 11:56:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/23/2018 11:56:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/23/2018 11:56:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/23/2018 11:56:00 PM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	2/23/2018 11:56:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1UJ-LCS-L		ug/m3	1	2/23/2018 11:56:00 PM
1,2,4-Trimethylbenzene	17	20	J	ug/m3	27	2/25/2018 2:08:00 AM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/23/2018 11:56:00 PM
1,2-Dichlorobenzene	< 0.90	0.90UJ-LCS-L		ug/m3	1	2/23/2018 11:56:00 PM
1,2-Dichloroethane	1.6	0.61		ug/m3	1	2/23/2018 11:56:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/23/2018 11:56:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74UJ-LCS-L		ug/m3	1	2/23/2018 11:56:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/23/2018 11:56:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/23/2018 11:56:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/23/2018 11:56:00 PM
1,4-Dioxane	< 1.1	1.1UJ-LCS-L		ug/m3	1	2/23/2018 11:56:00 PM
2,2,4-trimethylpentane	570	190		ug/m3	270	2/25/2018 2:45:00 AM
4-ethyltoluene	< 0.74	0.74UJ-LCS-L		ug/m3	1	2/23/2018 11:56:00 PM
Acetone	49	19		ug/m3	27	2/25/2018 2:08:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/23/2018 11:56:00 PM
Benzene	53	13		ug/m3	27	2/25/2018 2:08:00 AM
Benzyl chloride	< 0.86	0.86UJ-LCS-L		ug/m3	1	2/23/2018 11:56:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/23/2018 11:56:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	2/23/2018 11:56:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	2/23/2018 11:56:00 PM
Carbon disulfide	58	12		ug/m3	27	2/25/2018 2:08:00 AM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	2/23/2018 11:56:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/23/2018 11:56:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	2/23/2018 11:56:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	2/23/2018 11:56:00 PM
Chloromethane	2.2	0.31		ug/m3	1	2/23/2018 11:56:00 PM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/23/2018 11:56:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/23/2018 11:56:00 PM
Cyclohexane	93	14		ug/m3	27	2/25/2018 2:08:00 AM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/23/2018 11:56:00 PM
Ethyl acetate	11	14	J	ug/m3	27	2/25/2018 2:08:00 AM
Ethylbenzene	14	17	J	ug/m3	27	2/25/2018 2:08:00 AM
Freon 11	0.79	0.84	J	ug/m3	1	2/23/2018 11:56:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	2/23/2018 11:56:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	2/23/2018 11:56:00 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: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	Client Sample ID:	OU2W-140-SV101
Lab Order:	C1802067	Tag Number:	88 308
Project:	Elk Street Buffalo - SV1	Collection Date:	2/22/2018
Lab ID:	C1802067-002A	Matrix:	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		TO-15				Analyst: RJP
Freon 12	1.5	0.74		ug/m3	1	2/23/2018 11:56:00 PM
Heptane	27	16		ug/m3	27	2/25/2018 2:08:00 AM
Hexachloro-1,3-butadiene	< 1.6	1.6	UJ-LCS-L	ug/m3	1	2/23/2018 11:56:00 PM
Hexane	62	14		ug/m3	27	2/25/2018 2:08:00 AM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	2/23/2018 11:56:00 PM
m&p-Xylene	46	35		ug/m3	27	2/25/2018 2:08:00 AM
Methyl Butyl Ketone	< 1.2	1.2	UJ-LCS-L	ug/m3	1	2/23/2018 11:56:00 PM
Methyl Ethyl Ketone	12	24	J	ug/m3	27	2/25/2018 2:08:00 AM
Methyl Isobutyl Ketone	< 1.2	1.2	UJ-LCS-L	ug/m3	1	2/23/2018 11:56:00 PM
Methyl tert-butyl ether	< 0.54	0.54	UJ-LCS-L	ug/m3	1	2/23/2018 11:56:00 PM
Methylene chloride	15	14		ug/m3	27	2/25/2018 2:08:00 AM
o-Xylene	18	17		ug/m3	27	2/25/2018 2:08:00 AM
Propylene	< 0.26	0.26		ug/m3	1	2/23/2018 11:56:00 PM
Styrene	< 0.64	0.64		ug/m3	1	2/23/2018 11:56:00 PM
Tetrachloroethylene	1800	270		ug/m3	270	2/25/2018 2:45:00 AM
Tetrahydrofuran	< 0.44	0.44	UJ-LCS-L	ug/m3	1	2/23/2018 11:56:00 PM
Toluene	70	15		ug/m3	27	2/25/2018 2:08:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/23/2018 11:56:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/23/2018 11:56:00 PM
Trichloroethene	< 0.81	0.81		ug/m3	1	2/23/2018 11:56:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/23/2018 11:56:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/23/2018 11:56:00 PM
Vinyl chloride	< 0.38	0.38		ug/m3	1	2/23/2018 11:56:00 PM

Qualifiers:

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

Centek Laboratories, LLC

Date: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	Client Sample ID:	OU2W-140-SV102
Lab Order:	C1802067	Tag Number:	539 398
Project:	Elk Street Buffalo - SVI	Collection Date:	2/22/2018
Lab ID:	C1802067-003A	Matrix:	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-4			"Hg		2/23/2018
Lab Vacuum Out	-30			"Hg		2/23/2018
1UG/M3 BY METHOD TO15		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
1,1-Dichloroethene	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
1,2,4-Trimethylbenzene	1.0	0.15		ppbV	1	2/24/2018 12:35:00 AM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
1,3,5-Trimethylbenzene	0.32	0.15		ppbV	1	2/24/2018 12:35:00 AM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/24/2018 12:35:00 AM
2,2,4-trimethylpentane	660	120		ppbV	810	2/26/2018 9:29:00 PM
4-ethyltoluene	0.25	0.15		ppbV	1	2/24/2018 12:35:00 AM
Acetone	52	8.1		ppbV	27	2/25/2018 3:25:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
Benzene	1.3	0.15		ppbV	1	2/24/2018 12:35:00 AM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
Bromoform	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
Bromomethane	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
Carbon disulfide	26	4.0		ppbV	27	2/25/2018 3:25:00 AM
Carbon tetrachloride	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
Chloroethane	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
Chloroform	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
Chloromethane	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
cis-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
Cyclohexane	720	120		ppbV	810	2/26/2018 9:29:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
Ethyl acetate	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM

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: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	Client Sample ID:	OU2W-140-SV102
Lab Order:	C1802067	Tag Number:	539398
Project:	Elk Street Buffalo - SVI	Collection Date:	2/22/2018
Lab ID:	C1802067-003A	Matrix:	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		TO-15				Analyst: RJP
Ethylbenzene	0.88	0.15		ppbV	1	2/24/2018 12:35:00 AM
Freon 11	3.6	1.5		ppbV	10	2/24/2018 12:50:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
Freon 114	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
Freon 12	0.17	0.15		ppbV	1	2/24/2018 12:35:00 AM
Heptane	4.7	1.5		ppbV	10	2/24/2018 12:50:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
Hexane	51	4.0		ppbV	27	2/25/2018 3:25:00 AM
Isopropyl alcohol	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
m&p-Xylene	3.2	0.30		ppbV	1	2/24/2018 12:35:00 AM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	2/24/2018 12:35:00 AM
Methyl Ethyl Ketone	1.7	0.30		ppbV	1	2/24/2018 12:35:00 AM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	2/24/2018 12:35:00 AM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
Methylene chloride	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
o-Xylene	1.1	0.15		ppbV	1	2/24/2018 12:35:00 AM
Propylene	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
Styrene	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
Tetrachloroethylene	7.6	4.0		ppbV	27	2/25/2018 4:02:00 AM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
Toluene	10	1.5		ppbV	10	2/24/2018 12:50:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
Trichloroethene	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
Vinyl chloride	< 0.15	0.15		ppbV	1	2/24/2018 12:35:00 AM
Surr: Bromofluorobenzene	99.0	70-130		%REC	1	2/24/2018 12:35:00 AM

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: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	Client Sample ID:	OU2W-140-SV102
Lab Order:	C1802067	Tag Number:	539 398
Project:	Elk Street Buffalo - SVI	Collection Date:	2/22/2018
Lab ID:	C1802067-003A	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	2/24/2018 12:35:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0	UJ-ISH	ug/m3	1	2/24/2018 12:35:00 AM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/24/2018 12:35:00 AM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/24/2018 12:35:00 AM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	2/24/2018 12:35:00 AM
1,2,4-Trichlorobenzene	< 1.1	1.1	UJ-IS-H,	ug/m3 LCS-L	1	2/24/2018 12:35:00 AM
1,2,4-Trimethylbenzene	5.2	0.74	J-IS-H,	ug/m3 LCS-L, LCS-RPD	1	2/24/2018 12:35:00 AM
1,2-Dibromoethane	< 1.2	1.2	UJ-IS-H	ug/m3	1	2/24/2018 12:35:00 AM
1,2-Dichlorobenzene	< 0.90	0.90	UJ-IS-H,	ug/m3 LCS-L	1	2/24/2018 12:35:00 AM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	2/24/2018 12:35:00 AM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/24/2018 12:35:00 AM
1,3,5-Trimethylbenzene	1.6	0.74	J-LCS-L,	ug/m3 LCS-RPD, IS-H	1	2/24/2018 12:35:00 AM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/24/2018 12:35:00 AM
1,3-Dichlorobenzene	< 0.90	0.90	UJ-IS-H	ug/m3	1	2/24/2018 12:35:00 AM
1,4-Dichlorobenzene	< 0.90	0.90	UJ-IS-H	ug/m3	1	2/24/2018 12:35:00 AM
1,4-Dioxane	< 1.1	1.1	UJ-LCS-L	ug/m3	1	2/24/2018 12:35:00 AM
2,2,4-trimethylpentane	3100	560		ug/m3	810	2/26/2018 9:29:00 PM
4-ethyltoluene	1.2	0.74	J-LCS-L,	ug/m3 LCS-RPD, IS-H	1	2/24/2018 12:35:00 AM
Acetone	120	19		ug/m3	27	2/25/2018 3:25:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/24/2018 12:35:00 AM
Benzene	4.1	0.48		ug/m3	1	2/24/2018 12:35:00 AM
Benzyl chloride	< 0.86	0.86	UJ-LCS-L,	ug/m3 IS-H	1	2/24/2018 12:35:00 AM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/24/2018 12:35:00 AM
Bromoform	< 1.6	1.6	UJ-IS-H	ug/m3	1	2/24/2018 12:35:00 AM
Bromomethane	< 0.58	0.58		ug/m3	1	2/24/2018 12:35:00 AM
Carbon disulfide	80	12		ug/m3	27	2/25/2018 3:25:00 AM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	2/24/2018 12:35:00 AM
Chlorobenzene	< 0.69	0.69	UJ-IS-H	ug/m3	1	2/24/2018 12:35:00 AM
Chloroethane	< 0.40	0.40		ug/m3	1	2/24/2018 12:35:00 AM
Chloroform	< 0.73	0.73		ug/m3	1	2/24/2018 12:35:00 AM
Chloromethane	< 0.31	0.31		ug/m3	1	2/24/2018 12:35:00 AM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/24/2018 12:35:00 AM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/24/2018 12:35:00 AM
Cyclohexane	2500	410		ug/m3	810	2/26/2018 9:29:00 PM
Dibromochloromethane	< 1.3	1.3	UJ-ISH	ug/m3	1	2/24/2018 12:35:00 AM
Ethyl acetate	< 0.54	0.54	UJ-LCS-L	ug/m3	1	2/24/2018 12:35:00 AM
Ethylbenzene	3.8	0.65	J-IS-H	ug/m3	1	2/24/2018 12:35:00 AM
Freon 11	20	8.4		ug/m3	10	2/24/2018 12:50:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	2/24/2018 12:35:00 AM
Freon 114	< 1.0	1.0		ug/m3	1	2/24/2018 12:35:00 AM

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: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	**Client Sample ID:**	OU2W-140-SV102
Lab Order:	C1802067	**Tag Number:**	539 398
Project:	Elk Street Buffalo - SVI	**Collection Date:**	2/22/2018
Lab ID:	C1802067-003A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		TO-15				Analyst: RJP
Freon 12	0.84	0.74		ug/m3	1	2/24/2018 12:35:00 AM
Heptane	19	6.1		ug/m3	10	2/24/2018 12:50:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6	UJ-LCS-L	ug/m3	IS-H 1	2/24/2018 12:35:00 AM
Hexane	180	14		ug/m3	27	2/25/2018 3:25:00 AM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	2/24/2018 12:35:00 AM
m&p-Xylene	14	1.3	J-IS-H	ug/m3	1	2/24/2018 12:35:00 AM
Methyl Butyl Ketone	< 1.2	1.2	UJ-LCS-L	ug/m3	IS-H 1	2/24/2018 12:35:00 AM
Methyl Ethyl Ketone	5.0	0.88	J-LCS-L,	ug/m3	LCS-RPD 1	2/24/2018 12:35:00 AM
Methyl Isobutyl Ketone	< 1.2	1.2	UJ-LCS-L,	ug/m3	IS-H 1	2/24/2018 12:35:00 AM
Methyl tert-butyl ether	< 0.54	0.54	UJ-LCS-L	ug/m3	1	2/24/2018 12:35:00 AM
Methylene chloride	< 0.52	0.52		ug/m3	1	2/24/2018 12:35:00 AM
o-Xylene	4.7	0.65	J-LCS-RPD	ug/m3	IS-H 1	2/24/2018 12:35:00 AM
Propylene	< 0.26	0.26		ug/m3	1	2/24/2018 12:35:00 AM
Styrene	< 0.64	0.64	UJ-IS-H	ug/m3	1	2/24/2018 12:35:00 AM
Tetrachloroethylene	51	27		ug/m3	27	2/25/2018 4:02:00 AM
Tetrahydrofuran	< 0.44	0.44	UJ-LCS-L	ug/m3	1	2/24/2018 12:35:00 AM
Toluene	39	5.7		ug/m3	10	2/24/2018 12:50:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/24/2018 12:35:00 AM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/24/2018 12:35:00 AM
Trichloroethene	< 0.81	0.81		ug/m3	1	2/24/2018 12:35:00 AM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/24/2018 12:35:00 AM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/24/2018 12:35:00 AM
Vinyl chloride	< 0.38	0.38		ug/m3	1	2/24/2018 12:35:00 AM

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: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	Client Sample ID:	OU2W-140-IA101
Lab Order:	C1802067	Tag Number:	1192 258
Project:	Elk Street Buffalo - SVI	Collection Date:	2/22/2018
Lab ID:	C1802067-004A	Matrix:	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-2			"Hg		2/23/2018
Lab Vacuum Out	-30			"Hg		2/23/2018
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	2/23/2018 1:05:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
1,2,4-Trimethylbenzene	3.8	1.4		ppbV	9	2/24/2018 2:50:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
1,3,5-Trimethylbenzene	1.1	0.15		ppbV	1	2/23/2018 1:05:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/23/2018 1:05:00 PM
2,2,4-trimethylpentane	5.1	1.4		ppbV	9	2/24/2018 2:50:00 PM
4-ethyltoluene	1.3	0.15		ppbV	1	2/23/2018 1:05:00 PM
Acetone	50	27		ppbV	90	2/24/2018 3:27:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
Benzene	4.0	1.4		ppbV	9	2/24/2018 2:50:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
Bromoform	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
Carbon tetrachloride	0.19	0.030		ppbV	1	2/23/2018 1:05:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
Chloroform	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
Chloromethane	0.41	0.15		ppbV	1	2/23/2018 1:05:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	2/23/2018 1:05:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
Cyclohexane	1.6	0.15		ppbV	1	2/23/2018 1:05:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
Ethyl acetate	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 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: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	**Client Sample ID:**	OU2W-140-IA101
Lab Order:	C1802067	**Tag Number:**	1192 258
Project:	Elk Street Buffalo - SVI	**Collection Date:**	2/22/2018
Lab ID:	C1802067-004A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: RJP
Ethylbenzene	3.4	1.4		ppbV	9	2/24/2018 2:50:00 PM
Freon 11	0.26	0.15		ppbV	1	2/23/2018 1:05:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
Freon 12	0.51	0.15		ppbV	1	2/23/2018 1:05:00 PM
Heptane	4.9	1.4		ppbV	9	2/24/2018 2:50:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
Hexane	7.2	1.4		ppbV	9	2/24/2018 2:50:00 PM
Isopropyl alcohol	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
m&p-Xylene	12	2.7		ppbV	9	2/24/2018 2:50:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	2/23/2018 1:05:00 PM
Methyl Ethyl Ketone	1.5	0.30		ppbV	1	2/23/2018 1:05:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	2/23/2018 1:05:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
Methylene chloride	1.1	0.15		ppbV	1	2/23/2018 1:05:00 PM
o-Xylene	4.2	1.4		ppbV	9	2/24/2018 2:50:00 PM
Propylene	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
Styrene	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
Tetrachloroethylene	480	48		ppbV	320	2/24/2018 11:31:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
Toluene	25	14		ppbV	90	2/24/2018 3:27:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	2/23/2018 1:05:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/23/2018 1:05:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	2/23/2018 1:05:00 PM
Surr: Bromofluorobenzene	112	70-130		%REC	1	2/23/2018 1:05:00 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: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	Client Sample ID:	OU2W-140-IA101
Lab Order:	C1802067	Tag Number:	1192 258
Project:	Elk Street Buffalo - SVI	Collection Date:	2/22/2018
Lab ID:	C1802067-004A	Matrix:	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	2/23/2018 1:05:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/23/2018 1:05:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/23/2018 1:05:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/23/2018 1:05:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	2/23/2018 1:05:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1W	LCS-L	ug/m3	1	2/23/2018 1:05:00 PM
1,2,4-Trimethylbenzene	19	6.9		ug/m3	9	2/24/2018 2:50:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/23/2018 1:05:00 PM
1,2-Dichlorobenzene	< 0.90	0.90W	LCS-L	ug/m3	1	2/23/2018 1:05:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	2/23/2018 1:05:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/23/2018 1:05:00 PM
1,3,5-Trimethylbenzene	5.5	0.74J	LCS-L,	ug/m3	LCS-RPD 1	2/23/2018 1:05:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/23/2018 1:05:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/23/2018 1:05:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/23/2018 1:05:00 PM
1,4-Dioxane	< 1.1	1.1UJ	LCS-L	ug/m3	1	2/23/2018 1:05:00 PM
2,2,4-trimethylpentane	24	6.5		ug/m3	9	2/24/2018 2:50:00 PM
4-ethyltoluene	6.3	0.74J	LCS-L,	ug/m3	LCS-RPD 1	2/23/2018 1:05:00 PM
Acetone	120	64		ug/m3	90	2/24/2018 3:27:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/23/2018 1:05:00 PM
Benzene	13	4.5		ug/m3	9	2/24/2018 2:50:00 PM
Benzyl chloride	< 0.86	0.86UJ	LCS-L	ug/m3	1	2/23/2018 1:05:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/23/2018 1:05:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	2/23/2018 1:05:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	2/23/2018 1:05:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	2/23/2018 1:05:00 PM
Carbon tetrachloride	1.2	0.19		ug/m3	1	2/23/2018 1:05:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/23/2018 1:05:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	2/23/2018 1:05:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	2/23/2018 1:05:00 PM
Chloromethane	0.85	0.31		ug/m3	1	2/23/2018 1:05:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	2/23/2018 1:05:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/23/2018 1:05:00 PM
Cyclohexane	5.4	0.52		ug/m3	1	2/23/2018 1:05:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/23/2018 1:05:00 PM
Ethyl acetate	< 0.54	0.54UJ	LCS-L	ug/m3	1	2/23/2018 1:05:00 PM
Ethylbenzene	15	6.1		ug/m3	9	2/24/2018 2:50:00 PM
Freon 11	1.6	0.84		ug/m3	1	2/23/2018 1:05:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	2/23/2018 1:05:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	2/23/2018 1:05:00 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: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	Client Sample ID:	OU2W-140-IA101
Lab Order:	C1802067	Tag Number:	1192 258
Project:	Elk Street Buffalo - SVI	Collection Date:	2/22/2018
Lab ID:	C1802067-004A	Matrix:	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				**Analyst: RJP**
Freon 12	2.5	0.74		ug/m3	1	2/23/2018 1:05:00 PM
Heptane	20	5.7		ug/m3	9	2/24/2018 2:50:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6	UJ-LCS-L	ug/m3	1	2/23/2018 1:05:00 PM
Hexane	25	4.9		ug/m3	9	2/24/2018 2:50:00 PM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	2/23/2018 1:05:00 PM
m&p-Xylene	52	12		ug/m3	9	2/24/2018 2:50:00 PM
Methyl Butyl Ketone	< 1.2	1.2	UJ-LCS-L	ug/m3	1	2/23/2018 1:05:00 PM
Methyl Ethyl Ketone	4.5	0.88	J-LCS-L	ug/m3 LCS-RPD	1	2/23/2018 1:05:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2	UJ-LCS-L	ug/m3	1	2/23/2018 1:05:00 PM
Methyl tert-butyl ether	< 0.54	0.54	UJ-LCS-L	ug/m3	1	2/23/2018 1:05:00 PM
Methylene chloride	3.9	0.52		ug/m3	1	2/23/2018 1:05:00 PM
o-Xylene	18	5.1		ug/m3	9	2/24/2018 2:50:00 PM
Propylene	< 0.26	0.26		ug/m3	1	2/23/2018 1:05:00 PM
Styrene	< 0.64	0.64		ug/m3	1	2/23/2018 1:05:00 PM
Tetrachloroethylene	3300	330		ug/m3	320	2/24/2018 11:31:00 PM
Tetrahydrofuran	< 0.44	0.44	UJ-LCS-L	ug/m3	1	2/23/2018 1:05:00 PM
Toluene	95	53		ug/m3	90	2/24/2018 3:27:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/23/2018 1:05:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/23/2018 1:05:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	2/23/2018 1:05:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/23/2018 1:05:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/23/2018 1:05:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	2/23/2018 1:05:00 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: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	**Client Sample ID:**	OU2W-140-IA103
Lab Order:	C1802067	**Tag Number:**	222 382
Project:	Elk Street Buffalo - SVI	**Collection Date:**	2/22/2018
Lab ID:	C1802067-005A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-4			"Hg		2/23/2018
Lab Vacuum Out	-30			"Hg		2/23/2018
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	2/23/2018 1:45:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
1,2,4-Trimethylbenzene	7.7	1.4		ppbV	9	2/24/2018 4:44:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
1,3,5-Trimethylbenzene	2.1	1.4		ppbV	9	2/24/2018 4:44:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/23/2018 1:45:00 PM
2,2,4-trimethylpentane	3.6	1.4		ppbV	9	2/24/2018 4:44:00 PM
4-ethyltoluene	2.2	1.4		ppbV	9	2/24/2018 4:44:00 PM
Acetone	42	27		ppbV	90	2/24/2018 5:21:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
Benzene	3.2	1.4		ppbV	9	2/24/2018 4:44:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
Bromoform	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
Carbon tetrachloride	< 0.030	0.030		ppbV	1	2/23/2018 1:45:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
Chloroform	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
Chloromethane	0.39	0.15		ppbV	1	2/23/2018 1:45:00 PM
cis-1,2-Dichloroethene	1.2	0.040		ppbV	1	2/23/2018 1:45:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
Cyclohexane	1.3	0.15		ppbV	1	2/23/2018 1:45:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
Ethyl acetate	0.47	0.15		ppbV	1	2/23/2018 1:45:00 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: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	Client Sample ID:	OU2W-140-IA103
Lab Order:	C1802067	Tag Number:	222 382
Project:	Elk Street Buffalo - SVI	Collection Date:	2/22/2018
Lab ID:	C1802067-005A	Matrix:	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
Ethylbenzene	2.0	1.4		ppbV	9	2/24/2018 4:44:00 PM
Freon 11	0.27	0.15		ppbV	1	2/23/2018 1:45:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
Freon 12	2.2	1.4		ppbV	9	2/24/2018 4:44:00 PM
Heptane	2.7	1.4		ppbV	9	2/24/2018 4:44:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
Hexane	6.7	1.4		ppbV	9	2/24/2018 4:44:00 PM
Isopropyl alcohol	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
m&p-Xylene	7.6	2.7		ppbV	9	2/24/2018 4:44:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	2/23/2018 1:45:00 PM
Methyl Ethyl Ketone	1.4	0.30		ppbV	1	2/23/2018 1:45:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	2/23/2018 1:45:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
Methylene chloride	0.65	0.15		ppbV	1	2/23/2018 1:45:00 PM
o-Xylene	3.2	1.4		ppbV	9	2/24/2018 4:44:00 PM
Propylene	0.090	0.15	J	ppbV	1	2/23/2018 1:45:00 PM
Styrene	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
Tetrachloroethylene	50	14		ppbV	90	2/24/2018 5:21:00 PM
Tetrahydrofuran	5.1	1.4		ppbV	9	2/24/2018 4:44:00 PM
Toluene	14	1.4		ppbV	9	2/24/2018 4:44:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
Trichloroethene	0.27	0.030		ppbV	1	2/23/2018 1:45:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/23/2018 1:45:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	2/23/2018 1:45:00 PM
Surr: Bromofluorobenzene	100	70-130		%REC	1	2/23/2018 1:45:00 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: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	Client Sample ID:	OU2W-140-IA103
Lab Order:	C1802067	Tag Number:	222 382
Project:	Elk Street Buffalo - SVI	Collection Date:	2/22/2018
Lab ID:	C1802067-005A	Matrix:	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: RJP
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	2/23/2018 1:45:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/23/2018 1:45:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/23/2018 1:45:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/23/2018 1:45:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	2/23/2018 1:45:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1	UJ-LCS-L	ug/m3	1	2/23/2018 1:45:00 PM
1,2,4-Trimethylbenzene	38	6.9		ug/m3	9	2/24/2018 4:44:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/23/2018 1:45:00 PM
1,2-Dichlorobenzene	< 0.90	0.90	UJ-LCS-L	ug/m3	1	2/23/2018 1:45:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	2/23/2018 1:45:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/23/2018 1:45:00 PM
1,3,5-Trimethylbenzene	10	6.9		ug/m3	9	2/24/2018 4:44:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/23/2018 1:45:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/23/2018 1:45:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/23/2018 1:45:00 PM
1,4-Dioxane	< 1.1	1.1	UJ-LCS-L	ug/m3	1	2/23/2018 1:45:00 PM
2,2,4-trimethylpentane	17	6.5		ug/m3	9	2/24/2018 4:44:00 PM
4-ethyltoluene	11	6.9		ug/m3	9	2/24/2018 4:44:00 PM
Acetone	100	64		ug/m3	90	2/24/2018 5:21:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/23/2018 1:45:00 PM
Benzene	10	4.5		ug/m3	9	2/24/2018 4:44:00 PM
Benzyl chloride	< 0.86	0.86	UJ-LCS-L	ug/m3	1	2/23/2018 1:45:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/23/2018 1:45:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	2/23/2018 1:45:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	2/23/2018 1:45:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	2/23/2018 1:45:00 PM
Carbon tetrachloride	< 0.19	0.19		ug/m3	1	2/23/2018 1:45:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/23/2018 1:45:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	2/23/2018 1:45:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	2/23/2018 1:45:00 PM
Chloromethane	0.81	0.31		ug/m3	1	2/23/2018 1:45:00 PM
cis-1,2-Dichloroethene	5.0	0.16		ug/m3	1	2/23/2018 1:45:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/23/2018 1:45:00 PM
Cyclohexane	4.4	0.52		ug/m3	1	2/23/2018 1:45:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/23/2018 1:45:00 PM
Ethyl acetate	1.7	0.54	J-LCS-L,	ug/m3	LCS-RPD 1	2/23/2018 1:45:00 PM
Ethylbenzene	8.6	6.1		ug/m3	9	2/24/2018 4:44:00 PM
Freon 11	1.5	0.84		ug/m3	1	2/23/2018 1:45:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	2/23/2018 1:45:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	2/23/2018 1:45:00 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: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	Client Sample ID:	OU2W-140-IA103
Lab Order:	C1802067	Tag Number:	222 382
Project:	Elk Street Buffalo - SVI	Collection Date:	2/22/2018
Lab ID:	C1802067-005A	Matrix:	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: RJP
Freon 12	11	6.9		ug/m3	9	2/24/2018 4:44:00 PM
Heptane	11	5.7		ug/m3	9	2/24/2018 4:44:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6UJ-LCS-L		ug/m3	1	2/23/2018 1:45:00 PM
Hexane	23	4.9		ug/m3	9	2/24/2018 4:44:00 PM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	2/23/2018 1:45:00 PM
m&p-Xylene	33	12		ug/m3	9	2/24/2018 4:44:00 PM
Methyl Butyl Ketone	< 1.2	1.2UJ-LCS-L		ug/m3	1	2/23/2018 1:45:00 PM
Methyl Ethyl Ketone	4.2	0.88J-LCS-L,		ug/m3LCS-RPD	1	2/23/2018 1:45:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2UJ-LCS-L		ug/m3	1	2/23/2018 1:45:00 PM
Methyl tert-butyl ether	< 0.54	0.54UJ-LCS-L		ug/m3	1	2/23/2018 1:45:00 PM
Methylene chloride	2.3	0.52		ug/m3	1	2/23/2018 1:45:00 PM
o-Xylene	14	6.1		ug/m3	9	2/24/2018 4:44:00 PM
Propylene	0.15	0.26	J	ug/m3	1	2/23/2018 1:45:00 PM
Styrene	< 0.64	0.64		ug/m3	1	2/23/2018 1:45:00 PM
Tetrachloroethylene	340	95		ug/m3	90	2/24/2018 5:21:00 PM
Tetrahydrofuran	15	4.1		ug/m3	9	2/24/2018 4:44:00 PM
Toluene	53	5.3		ug/m3	9	2/24/2018 4:44:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/23/2018 1:45:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/23/2018 1:45:00 PM
Trichloroethene	1.5	0.16		ug/m3	1	2/23/2018 1:45:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/23/2018 1:45:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/23/2018 1:45:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	2/23/2018 1:45:00 PM

Qualifiers:

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

Centek Laboratories, LLC

Date: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	Client Sample ID:	OU2W-OUT-AA100
Lab Order:	C1802067	Tag Number:	1173 385
Project:	Elk Street Buffalo - SVI	Collection Date:	2/22/2018
Lab ID:	C1802067-006A	Matrix:	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-2			"Hg		2/23/2018
Lab Vacuum Out	-30			"Hg		2/23/2018
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	2/23/2018 2:25:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
1,2,4-Trimethylbenzene	0.28	0.15		ppbV	1	2/23/2018 2:25:00 PM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	2/23/2018 2:25:00 PM
2,2,4-trimethylpentane	0.50	0.15		ppbV	1	2/23/2018 2:25:00 PM
4-ethyltoluene	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
Acetone	2.0	0.30		ppbV	1	2/23/2018 2:25:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
Benzene	0.28	0.15		ppbV	1	2/23/2018 2:25:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
Bromoform	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
Carbon tetrachloride	< 0.030	0.030		ppbV	1	2/23/2018 2:25:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
Chloroform	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
Chloromethane	0.46	0.15		ppbV	1	2/23/2018 2:25:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	2/23/2018 2:25:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
Cyclohexane	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
Ethyl acetate	0.24	0.15		ppbV	1	2/23/2018 2:25:00 PM

Qualifiers:

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

Centek Laboratories, LLC

Date: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	Client Sample ID:	OU2W-OUT-AA100
Lab Order:	C1802067	Tag Number:	1173 385
Project:	Elk Street Buffalo - SVI	Collection Date:	2/22/2018
Lab ID:	C1802067-006A	Matrix:	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: RJP
Ethylbenzene	0.17	0.15		ppbV	1	2/23/2018 2:25:00 PM
Freon 11	0.30	0.15		ppbV	1	2/23/2018 2:25:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
Freon 12	0.56	0.15		ppbV	1	2/23/2018 2:25:00 PM
Heptane	0.14	0.15	J	ppbV	1	2/23/2018 2:25:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
Hexane	0.22	0.15		ppbV	1	2/23/2018 2:25:00 PM
Isopropyl alcohol	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
m&p-Xylene	0.64	0.30		ppbV	1	2/23/2018 2:25:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	2/23/2018 2:25:00 PM
Methyl Ethyl Ketone	0.27	0.30	J	ppbV	1	2/23/2018 2:25:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	2/23/2018 2:25:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
Methylene chloride	0.28	0.15		ppbV	1	2/23/2018 2:25:00 PM
o-Xylene	0.27	0.15		ppbV	1	2/23/2018 2:25:00 PM
Propylene	0.090	0.15	J	ppbV	1	2/23/2018 2:25:00 PM
Styrene	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
Tetrachloroethylene	0.12	0.15	J	ppbV	1	2/23/2018 2:25:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
Toluene	0.89	0.15		ppbV	1	2/23/2018 2:25:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	2/23/2018 2:25:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/23/2018 2:25:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	2/23/2018 2:25:00 PM
Surr: Bromofluorobenzene	99.0	70-130		%REC	1	2/23/2018 2:25:00 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: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	Client Sample ID:	OU2W-OUT-AA100
Lab Order:	C1802067	Tag Number:	1173 385
Project:	Elk Street Buffalo - SVI	Collection Date:	2/22/2018
Lab ID:	C1802067-006A	Matrix:	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	2/23/2018 2:25:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	2/23/2018 2:25:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	2/23/2018 2:25:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	2/23/2018 2:25:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	2/23/2018 2:25:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1	UJ-LCS-L	ug/m3	1	2/23/2018 2:25:00 PM
1,2,4-Trimethylbenzene	1.4	0.74	J-LCS-L,	ug/m3 LCS-RPD	1	2/23/2018 2:25:00 PM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	2/23/2018 2:25:00 PM
1,2-Dichlorobenzene	< 0.90	0.90	UJ-LCS-L	ug/m3	1	2/23/2018 2:25:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	2/23/2018 2:25:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	2/23/2018 2:25:00 PM
1,3,5-Trimethylbenzene	< 0.74	0.74	UJ-LCS-L	ug/m3	1	2/23/2018 2:25:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	2/23/2018 2:25:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/23/2018 2:25:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	2/23/2018 2:25:00 PM
1,4-Dioxane	< 1.1	1.1	UJ-LCS-L	ug/m3	1	2/23/2018 2:25:00 PM
2,2,4-trimethylpentane	2.3	0.70		ug/m3	1	2/23/2018 2:25:00 PM
4-ethyltoluene	< 0.74	0.74	UJ-LCS-L	ug/m3	1	2/23/2018 2:25:00 PM
Acetone	4.8	0.71		ug/m3	1	2/23/2018 2:25:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	2/23/2018 2:25:00 PM
Benzene	0.89	0.48		ug/m3	1	2/23/2018 2:25:00 PM
Benzyl chloride	< 0.86	0.86	UJ-LCS-L	ug/m3	1	2/23/2018 2:25:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	2/23/2018 2:25:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	2/23/2018 2:25:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	2/23/2018 2:25:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	2/23/2018 2:25:00 PM
Carbon tetrachloride	< 0.19	0.19		ug/m3	1	2/23/2018 2:25:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	2/23/2018 2:25:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	2/23/2018 2:25:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	2/23/2018 2:25:00 PM
Chloromethane	0.95	0.31		ug/m3	1	2/23/2018 2:25:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	2/23/2018 2:25:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/23/2018 2:25:00 PM
Cyclohexane	< 0.52	0.52		ug/m3	1	2/23/2018 2:25:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	2/23/2018 2:25:00 PM
Ethyl acetate	0.86	0.54	J-LCS-L,	ug/m3 LCS-RPD	1	2/23/2018 2:25:00 PM
Ethylbenzene	0.74	0.65		ug/m3	1	2/23/2018 2:25:00 PM
Freon 11	1.7	0.84		ug/m3	1	2/23/2018 2:25:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	2/23/2018 2:25:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	2/23/2018 2:25:00 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: *08-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	Client Sample ID:	OU2W-OUT-AA100
Lab Order:	C1802067	Tag Number:	1173 385
Project:	Elk Street Buffalo - SVI	Collection Date:	2/22/2018
Lab ID:	C1802067-006A	Matrix:	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
Freon 12	2.8	0.74		ug/m3	1	2/23/2018 2:25:00 PM
Heptane	0.57	0.61	J	ug/m3	1	2/23/2018 2:25:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6	UJ-LCS-L	ug/m3	1	2/23/2018 2:25:00 PM
Hexane	0.78	0.53		ug/m3	1	2/23/2018 2:25:00 PM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	2/23/2018 2:25:00 PM
m&p-Xylene	2.8	1.3		ug/m3	1	2/23/2018 2:25:00 PM
Methyl Butyl Ketone	< 1.2	1.2	UJ-LCS-L	ug/m3	1	2/23/2018 2:25:00 PM
Methyl Ethyl Ketone	0.80	0.88	J	ug/m3	LCS-L, LCS-RPD	2/23/2018 2:25:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2	UJ-LCS-L	ug/m3	1	2/23/2018 2:25:00 PM
Methyl tert-butyl ether	< 0.54	0.54	UJ-LCS-L	ug/m3	1	2/23/2018 2:25:00 PM
Methylene chloride	0.97	0.52		ug/m3	1	2/23/2018 2:25:00 PM
o-Xylene	1.2	0.65	J-LCS-RPD	ug/m3	1	2/23/2018 2:25:00 PM
Propylene	0.15	0.26	J	ug/m3	1	2/23/2018 2:25:00 PM
Styrene	< 0.64	0.64		ug/m3	1	2/23/2018 2:25:00 PM
Tetrachloroethylene	0.81	1.0	J	ug/m3	1	2/23/2018 2:25:00 PM
Tetrahydrofuran	< 0.44	0.44	UJ-LCS-L	ug/m3	1	2/23/2018 2:25:00 PM
Toluene	3.4	0.57		ug/m3	1	2/23/2018 2:25:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	2/23/2018 2:25:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	2/23/2018 2:25:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	2/23/2018 2:25:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	2/23/2018 2:25:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	2/23/2018 2:25:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	2/23/2018 2:25:00 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: *24-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	**Client Sample ID:**	OU2W-140-IA100A
Lab Order:	C1803003	**Tag Number:**	1186.438
Project:	Elk Street Buffalo - SVI	**Collection Date:**	2/23/2018
Lab ID:	C1803003-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-1			"Hg		3/1/2018
Lab Vacuum Out	-30			"Hg		3/1/2018
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	3/1/2018 9:23:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
1,2,4-Trimethylbenzene	3.1	1.5		ppbV	10	3/3/2018 4:11:00 AM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
1,3,5-Trimethylbenzene	1.1	0.15		ppbV	1	3/1/2018 9:23:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	3/1/2018 9:23:00 PM
2,2,4-trimethylpentane	6.8	1.5		ppbV	10	3/3/2018 4:11:00 AM
4-ethyltoluene	1.2	0.15		ppbV	1	3/1/2018 9:23:00 PM
Acetone	29	3.0		ppbV	10	3/3/2018 4:11:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
Benzene	3.9	1.5		ppbV	10	3/3/2018 4:11:00 AM
Benzyl chloride	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
Bromoform	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
Carbon tetrachloride	0.11	0.030		ppbV	1	3/1/2018 9:23:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
Chloroform	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
Chloromethane	0.54	0.15		ppbV	1	3/1/2018 9:23:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	3/1/2018 9:23:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
Cyclohexane	1.8	0.15		ppbV	1	3/1/2018 9:23:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
Ethyl acetate	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM

Qualifiers:

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

Centek Laboratories, LLC

Date: *24-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	**Client Sample ID:**	OU2W-140-IA100A
Lab Order:	C1803003	**Tag Number:**	1186.438
Project:	Elk Street Buffalo - SVI	**Collection Date:**	2/23/2018
Lab ID:	C1803003-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: RJP
Ethylbenzene	2.6	1.5		ppbV	10	3/3/2018 4:11:00 AM
Freon 11	0.24	0.15		ppbV	1	3/1/2018 9:23:00 PM
Freon 113	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
Freon 114	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
Freon 12	0.54	0.15		ppbV	1	3/1/2018 9:23:00 PM
Heptane	3.6	1.5		ppbV	10	3/3/2018 4:11:00 AM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
Hexane	11	1.5		ppbV	10	3/3/2018 4:11:00 AM
Isopropyl alcohol	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
m&p-Xylene	10	3.0		ppbV	10	3/3/2018 4:11:00 AM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	3/1/2018 9:23:00 PM
Methyl Ethyl Ketone	1.6	0.30		ppbV	1	3/1/2018 9:23:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	3/1/2018 9:23:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
Methylene chloride	1.8	0.15		ppbV	1	3/1/2018 9:23:00 PM
o-Xylene	3.1	1.5		ppbV	10	3/3/2018 4:11:00 AM
Propylene	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
Styrene	0.77	0.15		ppbV	1	3/1/2018 9:23:00 PM
Tetrachloroethylene	300	40		ppbV	270	3/3/2018 12:14:00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
Toluene	24	1.5		ppbV	10	3/3/2018 4:11:00 AM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	3/1/2018 9:23:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	3/1/2018 9:23:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	3/1/2018 9:23:00 PM
Surr: Bromofluorobenzene	101	70-130		%REC	1	3/1/2018 9:23:00 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: *24-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	**Client Sample ID:**	OU2W-140-IA100A
Lab Order:	C1803003	**Tag Number:**	1186.438
Project:	Elk Street Buffalo - SVI	**Collection Date:**	2/23/2018
Lab ID:	C1803003-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				**Analyst: RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	3/1/2018 9:23:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/1/2018 9:23:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	3/1/2018 9:23:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	3/1/2018 9:23:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	3/1/2018 9:23:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	3/1/2018 9:23:00 PM
1,2,4-Trimethylbenzene	15	7.4		ug/m3	10	3/3/2018 4:11:00 AM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	3/1/2018 9:23:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	3/1/2018 9:23:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	3/1/2018 9:23:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	3/1/2018 9:23:00 PM
1,3,5-Trimethylbenzene	5.3	0.74		ug/m3	1	3/1/2018 9:23:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	3/1/2018 9:23:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	3/1/2018 9:23:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	3/1/2018 9:23:00 PM
1,4-Dioxane	< 1.1	1.1	W-LCSL	ug/m3	1	3/1/2018 9:23:00 PM
2,2,4-trimethylpentane	32	7.0		ug/m3	10	3/3/2018 4:11:00 AM
4-ethyltoluene	5.8	0.74		ug/m3	1	3/1/2018 9:23:00 PM
Acetone	69	7.1		ug/m3	10	3/3/2018 4:11:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	3/1/2018 9:23:00 PM
Benzene	12	4.8		ug/m3	10	3/3/2018 4:11:00 AM
Benzyl chloride	< 0.86	0.86		ug/m3	1	3/1/2018 9:23:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	3/1/2018 9:23:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	3/1/2018 9:23:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	3/1/2018 9:23:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	3/1/2018 9:23:00 PM
Carbon tetrachloride	0.69	0.19		ug/m3	1	3/1/2018 9:23:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	3/1/2018 9:23:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	3/1/2018 9:23:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	3/1/2018 9:23:00 PM
Chloromethane	1.1	0.31		ug/m3	1	3/1/2018 9:23:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	3/1/2018 9:23:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	3/1/2018 9:23:00 PM
Cyclohexane	6.1	0.52		ug/m3	1	3/1/2018 9:23:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	3/1/2018 9:23:00 PM
Ethyl acetate	< 0.54	0.54		ug/m3	1	3/1/2018 9:23:00 PM
Ethylbenzene	11	6.5		ug/m3	10	3/3/2018 4:11:00 AM
Freon 11	1.3	0.84		ug/m3	1	3/1/2018 9:23:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	3/1/2018 9:23:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	3/1/2018 9:23:00 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: *24-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	**Client Sample ID:**	OU2W-140-IA100A
Lab Order:	C1803003	**Tag Number:**	1186.438
Project:	Elk Street Buffalo - SVI	**Collection Date:**	2/23/2018
Lab ID:	C1803003-001A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				**Analyst: RJP**
Freon 12	2.7	0.74		ug/m3	1	3/1/2018 9:23:00 PM
Heptane	15	6.1		ug/m3	10	3/3/2018 4:11:00 AM
Hexachloro-1,3-butadiene	< 1.6	1.6	UJ-LCS-L	ug/m3	1	3/1/2018 9:23:00 PM
Hexane	38	5.3		ug/m3	10	3/3/2018 4:11:00 AM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	3/1/2018 9:23:00 PM
m&p-Xylene	44	13		ug/m3	10	3/3/2018 4:11:00 AM
Methyl Butyl Ketone	< 1.2	1.2	UJ-LCS-L	ug/m3	1	3/1/2018 9:23:00 PM
Methyl Ethyl Ketone	4.7	0.88		ug/m3	1	3/1/2018 9:23:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2	UJ-LCS-L	ug/m3	1	3/1/2018 9:23:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	3/1/2018 9:23:00 PM
Methylene chloride	6.1	0.52		ug/m3	1	3/1/2018 9:23:00 PM
o-Xylene	13	6.5		ug/m3	10	3/3/2018 4:11:00 AM
Propylene	< 0.26	0.26		ug/m3	1	3/1/2018 9:23:00 PM
Styrene	3.3	0.64		ug/m3	1	3/1/2018 9:23:00 PM
Tetrachloroethylene	2000	270		ug/m3	270	3/3/2018 12:14:00 PM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	3/1/2018 9:23:00 PM
Toluene	92	5.7		ug/m3	10	3/3/2018 4:11:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/1/2018 9:23:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	3/1/2018 9:23:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	3/1/2018 9:23:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	3/1/2018 9:23:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	3/1/2018 9:23:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	3/1/2018 9:23:00 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: *24-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	**Client Sample ID:**	OU2W-140-1A102A
Lab Order:	C1803003	**Tag Number:**	162.443
Project:	Elk Street Buffalo - SVI	**Collection Date:**	2/23/2018
Lab ID:	C1803003-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Lab Vacuum In	-3			"Hg		3/1/2018
Lab Vacuum Out	-30			"Hg		3/1/2018
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		TO-15				Analyst: RJP
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
1,1-Dichloroethene	< 0.040	0.040		ppbV	1	3/1/2018 10:03:00 PM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
1,2,4-Trimethylbenzene	2.1	1.5		ppbV	10	3/3/2018 4:48:00 AM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
1,3,5-Trimethylbenzene	0.50	0.15		ppbV	1	3/1/2018 10:03:00 PM
1,3-butadiene	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
1,4-Dioxane	< 0.30	0.30		ppbV	1	3/1/2018 10:03:00 PM
2,2,4-trimethylpentane	1.6	0.15		ppbV	1	3/1/2018 10:03:00 PM
4-ethyltoluene	0.39	0.15		ppbV	1	3/1/2018 10:03:00 PM
Acetone	21	3.0		ppbV	10	3/3/2018 4:48:00 AM
Allyl chloride	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
Benzene	1.7	0.15		ppbV	1	3/1/2018 10:03:00 PM
Benzyl chloride	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
Bromodichloromethane	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
Bromoform	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
Bromomethane	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
Carbon disulfide	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
Carbon tetrachloride	0.080	0.030		ppbV	1	3/1/2018 10:03:00 PM
Chlorobenzene	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
Chloroethane	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
Chloroform	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
Chloromethane	0.41	0.15		ppbV	1	3/1/2018 10:03:00 PM
cis-1,2-Dichloroethene	< 0.040	0.040		ppbV	1	3/1/2018 10:03:00 PM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
Cyclohexane	0.58	0.15		ppbV	1	3/1/2018 10:03:00 PM
Dibromochloromethane	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
Ethyl acetate	0.20	0.15		ppbV	1	3/1/2018 10:03:00 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: *24-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	**Client Sample ID:**	OU2W-140-IA102A
Lab Order:	C1803003	**Tag Number:**	162.443
Project:	Elk Street Buffalo - SVI	**Collection Date:**	2/23/2018
Lab ID:	C1803003-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				**Analyst: RJP**
Ethylbenzene	1.1	0.15		ppbV	1	3/1/2018 10:03:00 PM
Freon 11	0.24	0.15		ppbV	1	3/1/2018 10:03:00 PM
Freon 113	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
Freon 114	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
Freon 12	0.55	0.15		ppbV	1	3/1/2018 10:03:00 PM
Heptane	0.95	0.15		ppbV	1	3/1/2018 10:03:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
Hexane	2.5	1.5		ppbV	10	3/3/2018 4:48:00 AM
Isopropyl alcohol	7.3	1.5		ppbV	10	3/3/2018 4:48:00 AM
m&p-Xylene	4.1	0.30		ppbV	1	3/1/2018 10:03:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	3/1/2018 10:03:00 PM
Methyl Ethyl Ketone	0.42	0.30		ppbV	1	3/1/2018 10:03:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	3/1/2018 10:03:00 PM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
Methylene chloride	0.64	0.15		ppbV	1	3/1/2018 10:03:00 PM
o-Xylene	1.3	0.15		ppbV	1	3/1/2018 10:03:00 PM
Propylene	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
Styrene	0.45	0.15		ppbV	1	3/1/2018 10:03:00 PM
Tetrachloroethylene	12	1.5		ppbV	10	3/3/2018 4:48:00 AM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
Toluene	9.5	1.5		ppbV	10	3/3/2018 4:48:00 AM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	3/1/2018 10:03:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	3/1/2018 10:03:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	3/1/2018 10:03:00 PM
Surr: Bromofluorobenzene	97.0	70-130		%REC	1	3/1/2018 10:03:00 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: *24-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	**Client Sample ID:**	OU2W-140-IA102A
Lab Order:	C1803003	**Tag Number:**	162.443
Project:	Elk Street Buffalo - SVI	**Collection Date:**	2/23/2018
Lab ID:	C1803003-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				**Analyst: RJP**
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	3/1/2018 10:03:00 PM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/1/2018 10:03:00 PM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	3/1/2018 10:03:00 PM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	3/1/2018 10:03:00 PM
1,1-Dichloroethene	< 0.16	0.16		ug/m3	1	3/1/2018 10:03:00 PM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	3/1/2018 10:03:00 PM
1,2,4-Trimethylbenzene	10	7.4		ug/m3	10	3/3/2018 4:48:00 AM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	3/1/2018 10:03:00 PM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	3/1/2018 10:03:00 PM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	3/1/2018 10:03:00 PM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	3/1/2018 10:03:00 PM
1,3,5-Trimethylbenzene	2.5	0.74		ug/m3	1	3/1/2018 10:03:00 PM
1,3-butadiene	< 0.33	0.33		ug/m3	1	3/1/2018 10:03:00 PM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	3/1/2018 10:03:00 PM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	3/1/2018 10:03:00 PM
1,4-Dioxane	< 1.1	1.1	U	ug/m3	1	3/1/2018 10:03:00 PM
2,2,4-trimethylpentane	7.2	0.70		ug/m3	1	3/1/2018 10:03:00 PM
4-ethyltoluene	1.9	0.74		ug/m3	1	3/1/2018 10:03:00 PM
Acetone	50	7.1		ug/m3	10	3/3/2018 4:48:00 AM
Allyl chloride	< 0.47	0.47		ug/m3	1	3/1/2018 10:03:00 PM
Benzene	5.5	0.48		ug/m3	1	3/1/2018 10:03:00 PM
Benzyl chloride	< 0.86	0.86		ug/m3	1	3/1/2018 10:03:00 PM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	3/1/2018 10:03:00 PM
Bromoform	< 1.6	1.6		ug/m3	1	3/1/2018 10:03:00 PM
Bromomethane	< 0.58	0.58		ug/m3	1	3/1/2018 10:03:00 PM
Carbon disulfide	< 0.47	0.47		ug/m3	1	3/1/2018 10:03:00 PM
Carbon tetrachloride	0.50	0.19		ug/m3	1	3/1/2018 10:03:00 PM
Chlorobenzene	< 0.69	0.69		ug/m3	1	3/1/2018 10:03:00 PM
Chloroethane	< 0.40	0.40		ug/m3	1	3/1/2018 10:03:00 PM
Chloroform	< 0.73	0.73		ug/m3	1	3/1/2018 10:03:00 PM
Chloromethane	0.85	0.31		ug/m3	1	3/1/2018 10:03:00 PM
cis-1,2-Dichloroethene	< 0.16	0.16		ug/m3	1	3/1/2018 10:03:00 PM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	3/1/2018 10:03:00 PM
Cyclohexane	2.0	0.52		ug/m3	1	3/1/2018 10:03:00 PM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	3/1/2018 10:03:00 PM
Ethyl acetate	0.72	0.54		ug/m3	1	3/1/2018 10:03:00 PM
Ethylbenzene	4.6	0.65		ug/m3	1	3/1/2018 10:03:00 PM
Freon 11	1.3	0.84		ug/m3	1	3/1/2018 10:03:00 PM
Freon 113	< 1.1	1.1		ug/m3	1	3/1/2018 10:03:00 PM
Freon 114	< 1.0	1.0		ug/m3	1	3/1/2018 10:03:00 PM

Qualifiers:

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

Centek Laboratories, LLC

Date: *24-Mar-18*

CLIENT:	AMEC Environment & Infrastructure, Inc.	**Client Sample ID:**	OU2W-140-IA102A
Lab Order:	C1803003	**Tag Number:**	162.443
Project:	Elk Street Buffalo - SVI	**Collection Date:**	2/23/2018
Lab ID:	C1803003-002A	**Matrix:**	AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE		**TO-15**				Analyst: RJP
Freon 12	2.7	0.74		ug/m3	1	3/1/2018 10:03:00 PM
Heptane	3.9	0.61		ug/m3	1	3/1/2018 10:03:00 PM
Hexachloro-1,3-butadiene	< 1.6	1.6	UJ-LCS-L	ug/m3	1	3/1/2018 10:03:00 PM
Hexane	8.8	5.3		ug/m3	10	3/3/2018 4:48:00 AM
Isopropyl alcohol	18	3.7		ug/m3	10	3/3/2018 4:48:00 AM
m&p-Xylene	18	1.3		ug/m3	1	3/1/2018 10:03:00 PM
Methyl Butyl Ketone	< 1.2	1.2	UJ-LCS-L	ug/m3	1	3/1/2018 10:03:00 PM
Methyl Ethyl Ketone	1.2	0.88		ug/m3	1	3/1/2018 10:03:00 PM
Methyl Isobutyl Ketone	< 1.2	1.2	UJ-LCS-L	ug/m3	1	3/1/2018 10:03:00 PM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	3/1/2018 10:03:00 PM
Methylene chloride	2.2	0.52		ug/m3	1	3/1/2018 10:03:00 PM
o-Xylene	5.8	0.65		ug/m3	1	3/1/2018 10:03:00 PM
Propylene	< 0.26	0.26		ug/m3	1	3/1/2018 10:03:00 PM
Styrene	1.9	0.64		ug/m3	1	3/1/2018 10:03:00 PM
Tetrachloroethylene	79	10		ug/m3	10	3/3/2018 4:48:00 AM
Tetrahydrofuran	< 0.44	0.44		ug/m3	1	3/1/2018 10:03:00 PM
Toluene	36	5.7		ug/m3	10	3/3/2018 4:48:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/1/2018 10:03:00 PM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	3/1/2018 10:03:00 PM
Trichloroethene	< 0.16	0.16		ug/m3	1	3/1/2018 10:03:00 PM
Vinyl acetate	< 0.53	0.53		ug/m3	1	3/1/2018 10:03:00 PM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	3/1/2018 10:03:00 PM
Vinyl chloride	< 0.10	0.10		ug/m3	1	3/1/2018 10:03:00 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	