

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 3 – Babcock Property 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 for vapor intrusion (VI) studies at one structure on Operable Unit (OU) 3 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

OU3 encompasses a portion of the former terminal, including: the Southern Tank Yard Area and southern portions of the Babcock Street Properties Area, Central Rail and Process Area and Former Refinery Area. SVI sampling at this parcel was conducted within a large industrial building located in the southern portion of the property previously identified as Building 135. The current building and site layout of OU3 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 OU3 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. C915201D. 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 the vicinity of Building 135 (Roux Associates, 2009<sup>1</sup>).

#### SCOPE OF WORK

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

#### **Site Inspections**

AMEC visited Building 135 and conducted an inspection of building conditions, inventoried chemical products stored in the building, and completed 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 135 is currently being used by Pinto Construction for office space, a sign painting shop, workshop space, and storage. Items identified as being stored/used in the facility include, but are not limited to:

<sup>&</sup>lt;sup>1</sup> 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

- Gasoline
- Lacquer
- Adhesive Remover
- Spray Paints
- PB B'laster (petroleum distillates), naphthalene

#### **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 to 8-inch thick concrete slab on support piers. The floor was in fairly good condition and there was no access points to below the slab. Portions of the building were identified as well sealed from the outside and heated (office space) and other areas had loosely sealed bay doors (primarily the south end of the building).

Five subslab samples and four indoor air samples were collected in Building 135. The 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 compared to the NYSDOH Soil Vapor Intrusion Decision Matrices (NYSDOH, 2017) for the eight compounds associated

with the three decision matrices. The eight compounds were either not detected, or were detected at concentrations below action limits. 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. Compounds detected in the indoor air of Building 135 did not exceed either the 90<sup>th</sup> percentile of the indoor air background study, or the USEPA RSLs for workers.

Soil vapor results were also compared to the USEPA RSLs for Composite Worker Air with an assumed conservative attenuation factor of 0.1. Soil vapor concentrations did not exceed the RSL assuming an attenuation factor of 0.1, indicating that even if the building were well sealed at all locations, it is not likely that indoor air concentrations would exceed EPA RSLs for Composite Worker Air.

#### Recommendations

Based on the results of the SVI investigation, no further action or SVI monitoring is deemed necessary for Building 135.

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

cc: Paul Neureuter Dayne Crowley Ben Genes

Samuel Farnsworth Principal Scientist



#### Table 1: OU-3 SVI Results

			Building	Ambiont Air	Building 135	Building 135	Building 135
			Location		OU3-135-S\/100	OU3-135-SV/101	OU3-135-S\/102
			Sample Date	2/22/2019	2/22/2019	2/22/2019	2/22/2010
			Sample Date		2/22/2010	2/22/2010	2/22/2010
			Sample ID	003-001-AA100	003-135-50100	003-135-50101	003-135-50102
				F3 Outstans Air		го Ос!! ) (сп. ст.	
	0046		Sample Type	Outdoor Air	Soil Vapor	Soil Vapor	Soil Vapor
	Dessentile						
	Percentile	In da en Ala	0				
	NT	Indoor Air	Soll vapor				
Parameter	Background	USEPA RSL	(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 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	0.59 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	0.74 UJ	0.59 J	0.74 UJ	0.74 UJ
1.2-Dibromoethane	<0.25	0.02	0.2	1211	1211	1211	1211
1.2-Dichloro-1.1.2.2-tetrafluoroethane	0.52	NΔ	NΔ	1.1	1.1	1.1	1.1
	0.32	00	0.0	00111	00111	00111	00111
	0.72	00	0.0	0.9 UJ	0.9 00	0.9 00	0.9 00
1,2-Dichloroethane	<0.25	0.47	4.7	0.61 0	0.61 0	0.61 0	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	0.74 UJ	0.74 UJ	0.74 UJ
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	<b>0.77</b> J	<b>1.8</b> J	<b>2</b> J	<b>2.9</b> 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	25	22	22
4-Ethyltoluene	ΝA	ΝΔ	NΔ	0.74.111	0.74.111	0.74.111	0.74.111
4-Methyl-2-pontanone	2.2	1300	13000	12111	1 2 111	1 2 111	1 2 1 1
	2.2	14000	140000	1.2 00	1.2 00	1.2 00	1.2 00
Acetone	110	14000	140000	0.4	20	32	33
Aliyi chioride	NA	2	20	0.47 0	0.47 0	0.47 0	0.47 0
Benzene	15	1.6	16	0.67	2.8	0.83	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 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	0.19 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 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	33	39	390	0.95	0.31	0.33	0.31 []
Cis-1 2-Dichloroothono	<0.25	NA	NA	0.16	0.50 []	0.50	0.50 U
	<0.25	2.1	21	0.10 0	0.59 0	0.59 0	0.59 0
Cis-1,3-Dichloropropene	<0.25	3.1	31	0.66 0	0.00 0	0.06 0	0.00 0
	0.1	2000	20000	U.52 U	1.5	1	1.1
Dibromochloromethane	NA	NA	NA	1.3 U	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	15	44	440	2.8	2.1	2.6	2.7
Ethyl acetate	NA	31	310	<b>0.9</b> J	10	10	13
Ethylbenzene	7.4	4.9	49	0.65 U	1	0.56 J	0.56 J
Heptane	7.7	NA	NA	0.61 U	1.2	0.94	0.82
Hexachlorobutadiene	4.6	0.56	5.6	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ
Hexane	18	310	3100	0.53 U	1.4	0.81	0.95
Isooctane	6.5	NA	NA	0.7 U	1.2	<b>0.61</b> J	0.98
Methyl Tertbutyl Ether	27	47	470	0.54 UJ	0.54 UJ	0.54 UJ	0.54 UJ
Methylene chloride	22	1200	12000	1.8	1.4	1.2	11
Pronylene	NΔ	1300	13000	0.15	0.26.11	0.26.11	0.26.11
Styrene	12	440	4400	0.64 11	0.20 0	0.64 11	0.64 11
Stylelle	1.3	440	4400	0.04 0	0.43 0	0.04 0	0.04 0
	2.9	4/	470	0.44.11	0.0	0.0	4.7
	3.3	880	0088	0.44 UJ	1.4 J	1.1 J	1.4 J
loluene	58	2200	22000	1.7	8.3	5.1	8.7
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	1.3	1.5	1.7
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
Xvlene, o	7.6	44	440	0.65 U	1.1 J	0.78 J	0.65 J
Xvlenes (m&p)	12	NA	NA	0.61 J	3.3	1.9	1.9

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 Intrusion Guidance Appendix C)

Indoor Air USEPA RSL (Regional Screening Level) = 2017 Composite Worker Air

with a target cancer risk of 1x10<sup>6</sup> and a target hazard quotient of 0.1.

\* = Has New York State Guidance Value (NYDEC, 2017)

(PCE = 30  $\mu$ g/M3 ; TCE = 2  $\mu$ g/M3)

#### Table 1: OU-3 SVI Results

			Building	Building 135	Building 135
			Location	OU3-135-SV103	OU3-135-SV104
			Sample Date	2/22/2018	2/22/2018
			Sample ID	OU3-135-SV103	OU3-135-SV104
			QC Code	FS	FS
			Sample Type	Soil Vapor	Soil Vapor
	90th				
	Percentile				
	NY	Indoor Air	Soil Vapor		
Parameter	Background	USEPA RSL	(RSL*10)	Result Qual	Result Qual
1,1,1-Trichloroethane	3.1	2200	22000	0.82 U	0.82 U
1,1,2,2-Tetrachloroethane	<0.25	0.21	2.1	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.8	13000	130000	1.1 U	1.1 U
1.1.2-Trichloroethane	<0.25	0.77	7.7	0.82 U	0.82 U
1 1-Dichloroethane	<0.25	77	77	0.61 U	0.61 U
1 1-Dichloroethene	<0.25	88	880	0.59 U	0.59 U
1 2 4-Trichlorobenzene	3.4	0.88	8.8	1100	1100
1.2.4-Trimethylbenzene	9.5	3.1	31	0.64	12
1.2 Dibromoothano	-0.25	0.02	0.2	1211	1.2.0
1,2 Diploro 1 1 2 2 totrofluoroothono	0.23	0.02	0.2	1.2 0	1.2 0
	0.32	00	0.0	00111	10
	0.72	00	0.0	0.9 00	0.9 00
1,2-Dichloroethane	<0.25	0.47	4.7	0.61 U	0.61 U
1,2-Dichloropropane	<0.25	1.2	12	0.69 U	0.69 U
1,3,5-Trimethylbenzene	3.6	NA	NA	0.74 UJ	0.74 UJ
1,3-Butadiene	4.6	0.41	4.1	0.33 U	0.33 U
1,3-Dichlorobenzene	0.6	NA	NA	0.9 U	0.9 U
1,4-Dichlorobenzene	1.3	1.1	11	0.9 U	0.9 U
1,4-Dioxane	NA	2.5	25	1.1 UJ	1.1 UJ
2-Butanone	16	2200	22000	<b>2.7</b> J	5 J
2-Hexanone	NA	13	130	1.2 UJ	<b>1.4</b> J
2-Propanol	NA	88	880	30	29
4-Ethyltoluene	NA	NA	NA	0 74 U.I	0.74 U.I
4-Methyl-2-pentanone	2.2	1300	13000	1211	27.1
	110	14000	1/0000	28	64
Allyl chlorida	NA	2	20	0.47.11	0.47.11
Represe	15	1.6	20	0.47 0	0.47 0
Derizerie Ronzul oblorido		0.25	10	0.0	0.95
Benzyi chloride		0.25	2.5	0.00 UJ	0.00 00
bromodichioromethane	NA	0.33	3.3	10	10
Bromotorm	NA	11	110	1.6 U	1.6 U
Bromomethane	0.6	2.2	22	0.58 U	0.58 0
Carbon disulfide	NA	310	3100	0.47 U	0.37 J
Carbon tetrachloride	0.81	2	20	0.94 U	0.94 U
Chlorobenzene	<0.25	22	220	0.69 U	0.69 U
Chloroethane	<0.25	4400	44000	0.4 U	0.4 U
Chloroform	1.4	0.53	5.3	0.73 U	0.73 U
Chloromethane	3.3	39	390	0.31 U	0.31 U
Cis-1,2-Dichloroethene	<0.25	NA	NA	0.59 U	0.59 U
Cis-1,3-Dichloropropene	<0.25	3.1	31	0.68 U	0.68 U
Cyclohexane	8.1	2600	26000	1.4	1.5
Dibromochloromethane	NA	NA	NA	1.3 U	1.3 U
Dichlorodifluoromethane	15	44	440	2.9	3.7
Ethyl acetate	NA	31	310	14	8.6
Ethylbenzene	7.4	4.9	49	<b>0.61</b> J	1.1
Heptane	77	NA	NA	0.94	1.4
Hexachlorobutadiene	4.6	0.56	5.6	1611	16111
Hexane	18	310	3100	0.53	0.95
	6.5	NA	NIA	0.35	0.09
Mothyd Torthutyd Ethor	0.0	47	470	0.79	0.90
	21	47	470	0.54 05	0.54 05
	22	1200	12000	0.8	1.1
Propylene	NA	1300	13000	0.26 0	0.26 0
Styrene	1.3	440	4400	0.64 U	0.64 U
i etrachioroethene (PCE)*	2.9	47	470	9.8	12
l etranydrofuran	3.3	880	8800	1.7 J	2.4 J
Toluene	58	2200	22000	5.4	9.4
trans-1,2-Dichloroethene	NA	NA	NA	0.59 U	0.59 U
trans-1,3-Dichloropropene	<0.25	3.1	31	0.68 U	0.68 U
Trichloroethene (TCE)*	0.48	3	30	0.81 U	0.81 U
Trichlorofluoromethane	17	NA	NA	2	4.4
Vinyl acetate	NA	88	880	0.53 U	0.53 U
Vinyl bromide	NA	0.38	3.8	0.66 U	0.66 U
Vinyl chloride	<0.25	2.8	28	0.38 U	0.38 U
Xvlene, o	7.6	44	440	0.96	1.6 J
Xvlenes (m&p)	12	NA	NA	2.4	4.2
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Xylenes (m&p) 12 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 Intrusion Guidance Appendix C)

Indoor Air USEPA RSL (Regional Screening Level) = 2017 Composite Worker Air

with a target cancer risk of  $1 \times 10^6$  and a target hazard quotient of 0.1.

\* = Has New York State Guidance Value (NYDEC, 2017)

(PCE = 30  $\mu g/M3~$  ; TCE = 2  $\mu g/M3)$ 

#### Table 1: OU-3 SVI Results

			Puilding	Duilding 125	Puilding 125	Puilding 125	<b>Duilding 125</b>
			Building	Building 135	Building 135	Building 135	Building 135
			Location	003-135-IA100	003-135-IA101	003-135-IA102	003-135-IA103
			Sample Date	2/22/2018	2/22/2018	2/22/2018	2/22/2018
			Sample ID	OU3-135-IA100	OU3-135-IA101	OU3-135-IA102	OU3-135-IA103
			QC Code	FS	FS	FS	FS
			Sample Type	Indoor Air	Indoor Air	Indoor Air	Indoor Air
	90th						
	Percentile						
	NY	Indoor Air	Soil Vapor				
Devementer	Background		(PSI *10)	Desult Ousl	Desult Ousl	Desult Ousl	Deput Ouel
Parameter	Dackground	USEFARSE	(132 10)	Result Qual	Result Qual	Result Qual	Result Qual
1,1,1-I richloroethane	3.1	2200	22000	0.82 0	0.82 U	0.82 U	0.82 0
1,1,2,2-Tetrachloroethane	<0.25	0.21	2.1	10	10	10	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	11111	1111	11111	11111
	3.4	0.00	0.0	1.1 05	1.1 05	0.74	0.1 05
1,2,4- I rimetnyibenzene	9.5	3.1	31	0.69 J	0.59 J	0.74 J	0.74 J
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 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	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	0.00 0	0.00 0	0.00 0	0.00 0
1.2 Putodiono	3.0	0.44	4.4	0.07 00	0.77 00	0.74 00	0.1 + 0.0
	4.0	0.41	4.1	U.33 U	0.33 U	0.33 U	U.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	<b>0.97</b> J	<b>1.6</b> J	1.5 J	<b>2</b> J
2-Hexanone	NA	13	130	12111	1211	1211	12111
2 Propagal	NA	00	990	0.27 11	0.27 11	10	1.2 00
	INA	00	880	0.37 0	0.37 0	0.74.111	4.0 J
4-Ethyltoluene	NA	NA	NA	0.74 UJ	0.74 UJ	0.74 UJ	0.74 UJ
4-Methyl-2-pentanone	2.2	1300	13000	0.49 J	0.45 J	1.2 UJ	1.2 UJ
Acetone	110	14000	140000	7.4	19	24	27
Allyl chloride	NA	2	20	0.47 U	0.47 U	0.47 U	0.47 U
Benzene	15	1.6	16	1.2	0.93	1	0.86
Benzyl chloride	NA	0.25	2.5	0.86 U.I	0.86 U.I	0.86 U.I	0.86 U.I
Bromodichloromothano	NA	0.33	2.0	1 11	1 11	1 11	1 11
Bromotorm	NA	0.35	5.5	10	10	1611	10
Bromotorm	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	0.19 U	0.63	0.19 U	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	0411	04U	04U	0411
Chloroform	1 /	0.53	5.3	0.73.11	0.73.11	0.73.11	0.73.11
	1.4	0.00	000	0.73 0	0.73 0	0.73 0	0.73 0
Chloromethane	3.3	39	390	0.97	1	1.2	0.97
Cis-1,2-Dichloroethene	<0.25	NA	NA	0.16 U	0.16 U	0.16 U	0.16 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	0.52 U	0.52 U	0.52 U
Dibromochloromethane	NA	NA	NA	1.3 U	1.3 U	1.3 U	1.3 U
Dichlorodifluoromethane	15	44	440	2.7	3	2.8	3.4
Ethyl acetate	NA	31	310	0.61	1.2	0.72	1.2
Ethylbenzene	74	10	10	0.52	0.43	0.78	0.65
	7.4	4.9	49	0.52 J	0.45 J	0.70	0.03
перкале	1.1	INA	INA 5.0	0.00	0.01	0.01	U.01 U
Hexachlorobutadiene	4.6	0.56	5.6	1.6 UJ	1.6 UJ	1.6 UJ	1.6 UJ
Hexane	18	310	3100	1.3	0.6	0.74	0.88
Isooctane	6.5	NA	NA	<b>0.51</b> J	0.7 U	0.84	0.56 J
Methyl Tertbutyl Ether	27	47	470	0.54 UJ	0.54 UJ	0.54 UJ	0.54 UJ
Methylene chloride	22	1200	12000	1.1	1.3	0.73	1
Propylene	NA	1300	13000	0.15	0.17	0.15	0.14
Sturopo	1.2	440	4400	0.64 !!	0.64 !!	0.64.11	0.14 0
Totrachlaracthana (PCE)*	1.0	440	4400	1 11	1 11	0.04 0	1.1
	2.9	4/	470	10	10	10	10
Tetranydrofuran	3.3	880	8800	0.44 UJ	0.44 UJ	0.44 UJ	0.44 UJ
Toluene	58	2200	22000	4.3	3.8	6.1	6.6
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	0.16 U
Trichlorofluoromethane	17	NA	NA	17	19	25	3.8
Vipul aastata	17	00	11/4	0.52.11	0.50.11	0.52.11	0.5211
Viriyi dCetate	INA	00	000	U.53 U	0.53 U	0.53 U	0.53 U
vinyi promide	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	<b>0.78</b> J	0.61 J	1.1 J	<b>0.96</b> J
Xylenes (m&p)	12	NA	NA	1.9	1.5	2.9	2.6

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 Intrusion Guidance Appendix C)

Indoor Air USEPA RSL (Regional Screening Level) = 2017 Composite Worker Air

with a target cancer risk of 1x10<sup>6</sup> and a target hazard quotient of 0.1.

\* = Has New York State Guidance Value (NYDEC, 2017)

(PCE = 30  $\mu$ g/M3 ; TCE = 2  $\mu$ g/M3)



### **ATTACHMENT 1**

**Field Data Records** 

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

New York State Department of Environmental Conservation								
Building Code: 135 Address: 013 - Building, 135 - 1 Babcack Street								
Sampling Information 1 3-16-18 (7 pages)								
Sampler Name(s): John Littinger Juson Trenting Sampler Company Code: Wood.								
Sample Collection Dat	e: 2/22/2018 X	3-16-18	Date Samples	Sent To Lab:	22-18			
Sample Chain of Custo	ody Number:	802067	Outdoor Air S	ample Location ID: 🧷	<u> 113-017-AA1</u> 00			
SUMMA Canister I	nformation							
Sample ID:	003-135-5V102	003-135510	013-135-51100	003-135-14100	043-OUT-AA100			
Location Code:	Sign Shop Area	Sign Storage	Fer South	Far Suth	West of Rido			
Location Type:	Sub Slab	sub slab	Sub Slab	1A	outdoor			
Canister ID:	419	1184	324	240	363			
<b>Regulator ID:</b>	397	392	377	445	<u>́ (</u>			
Matrix:	NA	NA	NA	NA	NA			
Sampling Method:	Samma	Somma	Summa	Summa	Sumag			
Sampling Area Inf	ō							
Slab Thickness (inches):	6"	6 "	6**	NA	NA			
Sub-Slab Material:	NA	NA	NA	NĄ	NA			
Sub-Slab Moisture:	NA	NA	NA	NA	NA			
Seal Type:	Clay	Clay	Clay	NA	NA			
Seal Adequate?:		ľ						
Sample Times and	Vacuum Readings							
Cananda Stant Data (Tina a								

Sample Times and Vacuum Readir	Igs
--------------------------------	-----

Sample Start Date/Time:	02212018 1540	02212018 1550	022120181557	022,7181552	0221201\$1600
•			4 2 4 (01)0 E	00012081333	
Vacuum Gauge Start:	26.5	30+	30+	30+	30+
Sample End Date/Time:	02222018 1520	022220181515	02222018 1510	022220181505	02222018 1521
Vacuum Gauge End:	2,5	2.5	1.5	2.5	1.5
Sample Duration (hrs):	24	24	24	24	24
Vacuum Gauge Unit:	in Hg	in Hq	in Hy	in Hg	in Hg
Sample QA/QC Rea	adings		,	,	,
Vapor Port Purge:	V		V		
Purge PID Reading:	•	0	<b>O</b>	NA	NA
Purge PID Unit:	PPb	660	ppb	NA	NA
Tracer Test Pass:	224 vs 1400 ppm				
Sample start	and end times shoul	d be entered using	g the following form	nat: MM/DD/YYY	ү нн:мм
	ng namar na an g	1047			

Structure Sampling Questionnaire and Building Inventory New York State Department of Environmental Conservation							
Building Code: / .	35	Address: <u>M3 Build in</u>	135 - 1 Ba	boock Stree	<u>t</u>		
Sampling Informa	tion						
Sampler Name(s):	J. Luttinger	S. Trenti.	Sampler Com	pany Code: Wod	d.		
Sample Collection Date	e: 2-22-18		Date Samples	Sent To Lab:	22-18		
Sample Chain of Custody Number: <u>C180267</u> Outdoor Air Sample Location ID: <u>013-007-AA100</u>							
SUMMA Canister Information							
Sample ID:	003-135-51103	043-135-1A10	2043-135-SVIA	043-135-14103	003-135-1A la		
Location Code:	Furnace room	outside Furnace	Record Room	Read Coom	Sign office		
Location Type:	Sub Slab	IA	5 up stab	I A	IA		
Canister ID:	370	243	237	195	564		
Regulator ID:	373	<b>મડ</b> ય	394	440	396		
Matrix:	NA	NA	NA	NA	NA		
Sampling Method:	Summa	Samma	Summe	Summa	Summe		
Sampling Area Inf	0						
Slab Thickness (inches):	6"	NA	6 h7	NA	NA		
Sub-Slab Material:	NA	NA	NA	NA	NA		
Sub-Slab Moisture:	NA	NA	NA	NA	NA		
Seal Type:	Clay	NA	Clay	NA	NA		
Seal Adequate?:			<b>B</b>				
Sample Times and	Vacuum Readings						
Sample Start Date/Time:	022120181515	022120181516	02212018 1520	02420181522	022120181530		
Vacuum Gauge Start:	30.5	30+	30+	30+	30.5		
Sample End Date/Time:	02222018 1535	02222018 1530	022220181542	022220181540	02222981522		
Vacuum Gauge End:	1.5	1.5	3	4	2		
Sample Duration (hrs):	24	24	24	24	24		
Vacuum Gauge Unit:	in Hg	in Hg	in Hg	in Hg	in Hg		
Sample QA/QC Readings							
Vapor Port Purge:	M						
Purge PID Reading:	30	NA	6	-	NA		
Purge PID Unit:	PPB	NA	PPB	ppb	NA		
Tracer Test Pass:							

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



#### FIRST FLOOR BUILDING LAYOUT SKETCH



- 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.

3 7 7

- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout skete
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:
  - Other floor or wall penetrations (label appropriately) B or F **Boiler or Furnace** о xxxxxxx Perimeter Drains (draw inside or outside outer walls as appropriate) HW Hot Water Heater Areas of broken-up concrete ###### FP Fireplaces ws Wood Stoves Location & label of sub-slab samples • \$5-1 W/D Washer / Dryer • IA-1 Location & label of indoor air samples Location & label of outdoor air samples Sumps S OA-1 Location and label of any pressure field test holes. @ Floor Drains • PFET-1



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 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 skete
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or F HW FP	Boiler or Furnace Hot Water Heater Fireplaces	o xxxxxxx ######	Other floor or wall penetrations (label appropriately) Perimeter Drains (draw inside or outside outer walls as appropriate) 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	● PFET-1	Location and label of any pressure field test holes.

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Structure Sampling Questionna New York State Department of H	aire and Building Inventory Environmental Conservation
Site Name: Exxon Mobile Former Buttalo Tern	Noral Site Code: 135 Operable Unit: 003
Building Code: 135 Building N	Name: #135
Address: 1 Babcock St	Apt/Suite No:
City: Buffalo State: N	29 Zip: County: Erie
Contact Information	
Preparer's Name: John Luttinger	Phone No: 716 998 6973
Preparer's Affiliation: <u>Amec</u> FW	Company Code:
Purpose of Investigation: Due Diligence	Date of Inspection: 2/8/18
Contact Name: T. David Durito	Affiliation: Olyner
Phone No: A/A Alt. Phone No:	1/A Email: 1/A
Number of Occupants (total): ~20 Number of Children:	2 2
Image: Security (security)     Image: Security (security)       Image: Security (security)	r Occupied?
Owner Name (if different):	Owner Phone: MA
Owner Mailing Address:	
If Commercial or Industrial Facility, Select Operations: Office & Manufacturer of Signs Number of Floors: <u>3</u> Approx. Year Construction: <u>N</u> Describe Overall Building 'Tightness' and Airflows(e.g., results of smol Southers Partian of building Hot tight Office space sealed	If Residential Select Structure Type: A Building Insulated? Attached Garage? ke tests): Not heated.
Foundation Description	
Foundation Type: 51ab on Piers	Foundation Depth (bgs): NA Unit: FEET
Foundation Floor Material: Concrete Foundation Wall Material: Concrete	Foundation Floor Thickness:       8       Unit:       INCHES         Foundation Wall Thickness:       VA       Unit:       INCHES
Floor penetrations? Describe Floor Penetrations:	a last han Dearthy sealed
Basement is: NA Basement is: NA Describe Foundation Condition (cracks, seepage, etc.) : Minima	Sumps/Drains? Water In Sump?: NA Cracks
Heating/Cooling/ventilation Systems Heating System: Office - Forced air Heat Fuel Ty	pe: Matural 995 Central A/C Present?
Vented Appliances	v
Water Heater Fuel Type: NA	Clothes Dryer Fuel Type:
Water Htr Vent Location:	Dryer Vent Location:



Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

$u_{i}$ ding Code $I < S$		Building Name: #125	
Address: $P_{1}$	L Chart	Ap	t/Suite No:
Lity: Butfalo	CK STree	State: AN Zip:	County: Erie
actors Affecting Ind	oor Air Quailty		
Frequency Basement/Lowe	st Level is Occupied?: 5 day	sweek during we Floor Material:	onack
Inhabited?	F HVAC System On?	F Bathroom Exhaust Fan?	[ <sup></sup> Kitchen Exhaust Far
Alternate Heat Source:	NA	└── Is the	re smoking in the building?
Air Fresheners?	Description/Location of	Air Freshener: bath room	
Cleaning Products Used	d Rećently?: Description of C	leaning Products: NA	
Cosmetic Products Use	d Recently?: Description of C	osmetic Products: NA	
New Carpet or Furnitur	e? Location of New Carpet	/Furniture: NA	
Recent Dry Cleaning?	Location of Recently Dry	Cleaned Fabrics:	
Recent Painting/Stainir	ng? Location of New Paintin	a: Paint shad in Sign M	anufacturing area
Solvent or Chemical Or	dors? Describe Odors (if any):	ν/Α	
	Solvents At Work? If So List	Solvents Used: NA	
Bosent Posticido/Pode	nticide? Description of last	Ise: A/A	
	sticities (chemical use (storage	unvented appliances hobbies etc.) That	May Affect Indoor Air Quality:
The Sign P	rist shop in the	e sign nanutacturing area	appears to
he the lam	est contributor te	, indoor air quality	
NE INC INC			
		1 (	
└── Any Prior Testing For R	adon? If So, When?: <i>U</i>	Inknown	
<ul> <li>Any Prior Testing For R</li> <li>Any Prior Testing For V</li> </ul>	adon? If So, When?:	Inknown Inknown	
Any Prior Testing For R Any Prior Testing For V Any Prior Testing For V	adon? If So, When?: <u>b</u> OCs? If So, When?: <u>b</u>	Inknown Inknown	
Any Prior Testing For R Any Prior Testing For V Any Prior Testing For V Campling Conditions Weather Conditions:	adon? If So, When?: OCs? If So, When?: 	<u>hknown</u> <u>hknown</u> Outdoor Temperature:	<i>√∕A</i> °F
Any Prior Testing For R Any Prior Testing For V Sampling Conditions Weather Conditions:	adon? If So, When?: <u>b</u> OCs? If So, When?: <u>b</u> NA Office bdusty	Outdoor Temperature:	NA °F NA in(h



## Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

PRODUCT INVENTORY						
Building Name: #13.5		Bldg C	ode: 135 Date:	2-22-18		
Bldg Address: 1 Babcack	< st		Apt/Sui	te No:		
Bldg City/State/Zip: R.Fralo NY						
Make and Model of PID: $AAB PDF = 2000^3$ Date of Calibration: $2 - 22 - 18$						
TP - TP - T		<u> </u>				
Location Product Name/Descrip	otion Size (oz)	Condition *	Chemical Ingredients	PID Reading COC Y/N?		
Near IA100 Mixed gas	2.5 90	Used	Gas			
10430	let	Used	Motor Oil	г		
- Gas	2.5×2 5 99/X1	Used	Gas	Г		
Rust oleum	12.02 1 Can	Used	see phato	Г		
Rust skum Leak seal	HOZ	Used	4			
IA 101 PB Blaster	12 07	Used	NI	ð		
SV102 Behr Pro e60 Area Exterior Pain	f 59al	Used		1000- 1100 ppb -		
11 PPG Interior Wall Pair	ut 5 gal	Used		1000- 1100 ppb		
Rapid Renove Adhesive remo	e ner Igal	New		1300- 1300-		
Touch n Tone Spray Paint	- 24 cans	New				
Mer, + Pro Premium Spray	Paint 39	New				
V Quick Color Spray Evan	4 48ca	s ven				
			-71			
			4			
			l	Г		

\* 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?  $V_{eS}$  Were there any elevated PID readings taken on site?  $V_{eS}$ 

☐ Products with COC?



Exxon Mobil Elk Street – OU-3 VI Sampling					
<i>Client:</i> ESCP LLC		Project Number:	3617167937.10.01		
Site Name: Exxon Mobil H	Elk Street	Site Location:	Buffalo, New York		
<i>Photographer:</i> Jason Trentini			2.		
Date: 2/08/2018	120	R	SA		
Photograph: 136		A Mine			
<i>Direction:</i> NA		Var			
<i>Description:</i> Building 135 Sample Location ID: OU3-135-IA100		Martin and a state			
<i>Photographer:</i> Jason Trentini	A A CAT				
Date: 2/08/2018			7.20		
<b>Photograph:</b> 138					
<i>Direction:</i> NA					
<i>Description:</i> Building 135 Sample Location ID: OU3-135-IA100		ATT 3 Martin			



	Exxon Mobil El	k Street – VI Samplir	ıg
<i>Client:</i> ESCP LLC		Project Number:	3617167937.10.01
Site Name: Exxon Mobil E	Elk Street	Site Location:	Buffalo, New York
<i>Photographer:</i> Jason Trentini			
Date: 2/08/2018			
<i>Photograph:</i> 143			ane
Direction: NA		BEHR e6(	
<i>Description:</i> Building 135 Sample Location ID: OU3-135-IA102			
<i>Photographer:</i> Jason Trentini	And Adapting 1999 A		And
Date: 2/08/2018	Trian C		
Photograph: 146	R		
<i>Direction:</i> NA	Man		
<i>Description:</i> Building 135 Sample Location ID: OU3-135-IA102			

### ATTACHMENT 2

**Chemist Review and Laboratory Results** 



### **Data Quality Review**

Site Name: <u>Exxon Mobil – Elk Street Buffalo</u> Project Number: <u>3617167397.10.01</u> Laboratory Name: <u>Centek Laboratories</u> SDG Number: <u>C1802067</u> Sample IDs: <u>OU3-135-SV100, OU3-135-SV101, OU3-135-SV102, OU3-135-SV103, OU3-135-SV104,</u> <u>OU3-135-IA100, OU3-135-IA101, OU3-135-IA102, OU3-135-IA103, and OU3-OUT-AA100</u>

	Analysis
Data Reviewed	EPA TO-15
Chain of Custody (COC)	
Media Certification	
Holding Time	$\checkmark$
Method Blanks	$\checkmark$
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 66%), benzyl chloride (LCSD 59%), ethyl acetate (LCSD 53%), 4-ethyltoluene (LCSD 57%), 2-butanone (LCSD 47%), 4-methyl-2-pentanone (LCSD 36%), methyl tertbutyl ether (LCSD 57%), 2-butanone (LCSD 47%), 4-methyl-2-pentanone (LCSD 36%), methyl tertbutyl 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 OU3-135-IA100, OU3-135-IA101, OU3-135-IA103, OU3-135-SV100, OU3-135-SV101, OU3-135-SV102, OU3-135-SV103, OU3-135-SV104, and OU3-OUT-AA100 due to potential low bias. UJ/J-qualify 1,3,5-trimethylbenzene, 4-ethyltoluene, and 2-butanone in all due to the potential low bias. UJ/J-qualify acetate in samples OU3-135-IA100, OU3-135-IA100, OU3-135-IA102, OU3-135-IA103, and OU3-OUT-AA100 due to the potential low bias. UJ/J-qualify 1,2,2-tetrachloroetnane (33.9%), 1,2,4-trichlorobenzene (49.1%), 1,3-dichlorobenzene (54.8%), 1,2-dichlorobenzene (45.5%), 1,3,5-trimethylbenzene (49.1%), 1,3-dichlorobenzene (54.8%), 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 in samples OU3-135-IA103, OU3-135-IA103, OU3-135-SV104, OU3-135-IA103, OU3-135-SV104, OU3-135-IA103, OU3-135-SV104, OU3-135-IA103, OU3-135-SV104, OU3-135-IA103, OU3-135-SV104, OU3-135-IA103, OU3-135-SV104, OU3-135-IA103, and OU3-0UT-AA100 due to the imprecision. J-qualify detected 2-propanol in sample OU3-135-IA103, oU3-0U3-0UT-AA100 d
Field Duplicates	A field duplicate was not submitted with this SDG.



	Analysis						
Data Reviewed	EPA TO-15						
Matrix Duplicate	A laboratory duplicate was not reported with this SDG.						
Internal Standards	$\checkmark$						
Canister Vacuum (Pre- Sampling, Field Readings, Post-Sampling)	$\checkmark$						
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	$\checkmark$						
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 OU3-135-SV102 and was within NYSDOH criteria.						
Other Issues	None						

Notes: ND = Non-detect RPD = Relative Percent Difference  $\sqrt{=} Data Reviewed is to be considered acceptable within criteria and without qualification$ Qualifiers:Reason Code:

J = EstimatedR = Data is rejected and not suitable for useUJ = Reporting limit is considered estimatedLCS-

U = Non-detect

LCS-L = Laboratory control sample % recovery below lower control limit LCS-RPD = Laboratory control sample duplicate RPD above limit

> Data Reviewer: <u>Elizabeth Penta</u> Senior Reviewer: <u>Denise King</u> Date: <u>03/13/2018</u>

Date: 08-Mar-18

CLIENT: Lab Order:	AMEC Environment & C1802067	: Infrastructu	ire, Inc.	C	lient Sample ID: Tag Number:	OU3- 324 3	135-SV100 77
Project:	Elk Street Buffalo - SV	- SVI			Collection Date:	2/22/2	2018
Lab ID:	C1802067-007A				Matrix:	AIR	
Analyses		Result	**Limit (	Qual	Units	DF	Date Analyzed
FIELD PARAM	ETERS	2	FLI	5			Analyst
Lab Vacuum In		-2			"Hg		2/23/2018
Lab Vacuum Oi	11	-30			"Hg		2/23/2018
1UG/M3 BY ME	THOD TO15		TO-1	15			Analyst: RJP
1,1,1-Trichtoroe	thane	< 0.15	0,15		ppbV	1	2/24/2018 1:15:00 AM
1,1,2,2-Tetrachi	oroethane	< 0,15	0.15		ppbV	1	2/24/2018 1:15:00 AM
1,1,2-Trichloroe	thane	< 0,15	0.15		ppbV	1	2/24/2018 1:15:00 AM
1,1-Dichloroetha	ane	< 0,15	0.15		ppbV	1	2/24/2018 1:15:00 AM
1,1-Dichloroethe	ane	< 0_15	0.15		ppbV	1	2/24/2018 1:15:00 AM
1,2,4-Trichlorob	enzene	< 0.15	0.15		ppbV	1	2/24/2018 1:15:00 AM
1,2,4-Trimethylb	enzene	0.12	0,15	J	ppbV	1	2/24/2018 1:15 00 AM
1,2-Dibromoetha	ane	< 0.15	0,15		Vdqq	1	2/24/2018 1.15:00 AM
1,2-Dichloroben	zene	< 0.15	0,15		ppbV	1	2/24/2018 1:15:00 AM
1,2-Dichloroetha	ine	< 0.15	0.15		ppbV	1	2/24/2018 1:15:00 AM
1,2-Dichloroprop	zane	< 0.15	0.15		Vdqq	1	2/24/2018 1:15:00 AM
1,3,5-Trimethylb	enzene	< 0.15	0.15		Vdaa	1	2/24/2018 1:15:00 AM
1,3-butadiene		< 0.15	0.15		vobV	1	2/24/2018 1:15:00 AM
1,3-Dichloroben:	zene	< 0.15	0.15		Vdag	1	2/24/2018 1:15:00 AM
1,4-Dichloroben:	zene	< 0.15	0.15		Vdqq	1	2/24/2018 1:15:00 AM
1,4-Dioxane		< 0.30	0.30		nobV	1	2/24/2018 1:15:00 AM
2.2.4-trimethylpe	entane	0.25	0.15		vdon	1	2/24/2018 1:15:00 AM
4-ethyltoluene		< 0.15	0.15		pobV	1	2/24/2018 1:15:00 AM
Acetone		11	3.0		nobV	10	2/25/2018 4:39:00 AM
Allyl chloride		< 0.15	0.15		nobV	1	2/24/2018 1-15:00 AM
Benzene		0.87	0.15		onbV	1	2/24/2018 1:15:00 AM
Benzyl chloride		< 0.15	0.15		onbV	1	2/24/2018 1:15-00 AM
8tomodichlorom	eihane	< 0.15	0.15		ppbV	1	2/24/2018 1:15:00 AM
Bromoform		< 0.15	0.15		ppbv	1	2/24/2018 1-15-00 AM
Bromomethane		< 0.15	0.15		opbV	1	2/24/2010 1:13:00 /10
Carbon disutfide		< 0.15	0.15		ppbV	1	2/24/2018 1:15:00 AM
Carbon tetrachio	ride	< 0.15	0.15		ppov	1	2/24/2010 1.13.00 AN
Chlorobenzene		C 0 15	0.15		ppov	4	2/24/2010 1:10:00 AM
Chioroethane		< 0.15	0.15		hboA	•	2/24/2010 1:15:00 AM
Chloroform		< 0.15	0.15		ppov	4	2/24/2010 1.10.00 AW
Chloromethana		5 0 <sub>1</sub> 10 0 15	0.10		ppbv ppdv	4	2/24/2010 1015(00 AM
ris 12 Dichloroo	thene	V.13	0.10		hhna	4	2/24/2010 1010/00 AM
cis-1.3-Dichlorop	Innene	20.15	0,10		pho v	4	2/2#/2010 1010/00 AM
Cyclohevene	unheure.	0.44	0.15		hhan	4	2/24/2018 115:00 AM
Dibromosblorem	athasa	0.44	0.15		hban	1	2/24/2018 1:15/00 AM
Ethul access	6010116	S U. 15	0.15		vaqq	1	2/24/2018 1:15:00 AM
⊂m¥i acetate		2.8	1.5		Vaqq	10	2/25/2018 4:39:00 AM

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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

.

Е Estimated Value above quantitation range

J. Analyte detected below quantitation limit

Date: 08-Mar-18

CLIENT: AMEC Environmen		ent & Infrastructu	re, Inc.	C	lient Sample ID:	OU3-	135-SV100
Lab Order:	C1802067				Tag Number:	324 3	77
Project:	Elk Street Bulfale	o - SVI			<b>Collection Date:</b>	2/22/2	2018
Lab ID:	C1802067-007A	-			Matrix	AIR	
Analyses	nan na an	Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY M	THOD TO15		тс	-15			Analyst: RJP
Ethylbenzene		0.23	0.15		ppbV	1	2/24/2018 1:15:00 AM
Freon 11		0.24	0.15		ppbV	1	2/24/2018 1:15:00 AM
Freon 113		< 0.15	0.15		ppbV	1	2/24/2018 1:15:00 AM
Freon 114		< 0.15	0.15		ppbV	1	2/24/2018 1:15:00 AM
Freon 12		0,43	0.15		ppb∨	1	2/24/2018 1:15:00 AM
Heptane		0.29	0.15		ppbV	1	2/24/2018 1:15:00 AM
Hexachloro-1,3	-butadieno	< 0.15	0.15		ppbV	1	2/24/2018 1:15:00 AM
Hexane		0.40	0,15		ppbV	1	2/24/2018 1:15:00 AM
Isopropyl alcoh	ol	10	1.5		ppbV	10	2/25/2018 4:39 00 AM
m&p-Xylene		0.75	0.30		ppbV	1	2/24/2018 1:15:00 AM
Methyl Butyl Ko	tone	< 0.30	0.30		ppbV	1	2/24/2018 1:15:00 AM
Methyl Ethyl Ko	tone	0.62	0.30		ppbV	1	2/24/2018 1:15:00 AM
Methyl Isobutyl	Ketone	< 0.30	0.30		ppbV	1	2/24/2018 1:15:00 AM
Methyl tert-buty	l ether	< 0.15	0.15		ppbV	1	2/24/2018 1:15:00 AM
Methylene chlo	ride	0.41	0.15		ppbV	1	2/24/2018 1.15:00 AM
o-Xylene		0.25	0.15		ррвV	1	2/24/2018 1:15:00 AM
Propylene		< 0.15	0.15		ppbV	1	2/24/2018 1.15:00 AM
Styrene		0.10	D.15	J	ppbV	1	2/24/2018 1:15 00 AM
Tetrachloroethy	liene	1.0	0.15		ppbV	1	2/24/2018 1:15:00 AM
Totrahydrofura	n	0.47	0.15		ppbV	1	2/24/2018 1:15:00 AM
Toluene		2.2	1,5		ppbV	10	2/25/2018 4:39:00 AM
trans-1.2-Dichle	proethene	< 0.15	0.15		ppbV	1	2/24/2018 1:15:00 AM
trans-1.3-Dichl	oropropene	< 0.15	0.15		ppbV	1	2/24/2018 1:15:00 AM
Trichloroethene	2	< 0.15	0.15		Vdqq	1	2/24/2018 1:15:00 AM
Vinvt acetate		< 0.15	0.15		ppbV	1	2/24/2018 1:15:00 AM
Vinyl Bromide		< 0,15	0 15		ppbV	1	2/24/2018 1:15:00 AM
Vinyl chloride		< 0.15	0.15		ppbV	1	2/24/2018 1:15 00 AM
Surr: Bromol	luorobenzene	95.0	70-130		%REC	1	2/24/2018 1:15:00 AM

					10 1 1 1 <b>1 1</b>
Qualifiers:	**	Quantitation Limit	67	Results reported are not blank corrected	
	н	Analyte detected in the associated Method Blank	E	fistimated Value above quantitation range	
	B	Helding times for preparation or analysis exceeded	E.	Analyte detected below quantitation limit	
	JN.	Non-routine analyte. Quantitation estimated,	ND	Not Detected at the Limit of Detection	Page 14 of 32
	S	Spike Recovery outside accepted recovery limits			rage 14 or 52

Date: 08-Mar-18

CLIENT:	AMEC Environment &	Infrastructu	re, Inc.	C	lient Sample ID	: OU3-	135-SV100		
Lab Order: C1802067			Tag Number:				: 324 377		
Project:	Elk Street Buffalo - SVI	Ĩ			<b>Collection Date</b>	: 2/22/2	018		
Lab ID:	C1802067-007A				Matrix	: AIR			
Analyses		Result	**Limit	Qual	Units	DF	Date Analyzed		
UG/M3 BY ME	THOD TO15		тс	)-15			Analyst: RJP		
1,1,1-Trichloroe	thane	< 0.82	0.82		ug/m3	1	2/24/2018 1:15:00 AM		
1,1,2,2-Tetrachi	oroelhane	< 1.0	1.0		ug/m3	1	2/24/2018 1:15:00 AM		
1,1,2-Trichloroe	thane	< 0.82	0,82		ug/m3	1	2/24/2018 1:15:00 AM		
1,1-Dichloroetha	ine	< 0.61	0.61		ug/m3	1	2/24/2018 1:15:00 AM		
1,1-Dichloroethe	ane	< 0.59	0,59		ug/m3	1	2/24/2018 1:15:00 AM		
1,2,4-Trichlorob	enzene	< 1.1	1.1	1-LCS-L	ug/m3	1	2/24/2018 1:15:00 AM		
1.2.4-Trimethylb	ienzene	0.59	0.74	J	ug/m31-tCS-L,LC	s RPD	2/24/2018 1:15:00 AM		
1,2-Dibromoetha	ane	< 1,2	1.2		ug/m3	4	2/24/2018 1:15:00 AM		
1.2-Dichloroben	zene	< 0.90	0.90	UJ-LCS	Lug/m3	1	2/24/2018 1:15:00 AM		
1,2-Dichloroetha	u)e	< 0.61	0.61		ug/m3	1	2/24/2018 1:15:00 AM		
1,2-Dichloroprop	bane	< 0.69	0.69		ug/m3	1	2/24/2018 1:15:00 AM		
1,3,5-Trimethylb	enzene	< 0.74	0.74	1-LCS-1	_ug/m3	1	2/24/2018 1:15:00 AM		
1.3-butadiene		< 0.33	0.33		ug/m3	1	2/24/2018 1:15:00 AM		
1.3-Dichloroben	zene	< 0.90	0.90		ug/m3	1	2/24/2018 1.15.00 AM		
1.4-Dichloroben:	zone	< 0.90	0.90		ug/m3	1	2/24/2018 1:15:00 AM		
1.4-Dioxane		< 1.1	1.1	HCS-L	ug/m3	1	2/24/2018 1 15 00 AM		
2.2.4-trimethylpe	entane	1.2	0.70		ug/m3	1	2/24/2018 1:15:00 AM		
4-ethyltoluene		< 0.74	0.741	13-LCS-L	ug/m3	4	2/24/2018 1:15:00 AM		
Acetone		26	7.1		ua/m3	10	2/25/2018 4 39 00 AM		
Allyl chloride		< 0.47	0.47		ug/m3	1	2/24/2018 1:15:00 AM		
Benzene		2.8	0.48		ua/m3	1	2/24/2018 1:15:00 AM		
Benzvi chloride		< 0.86	0.861	U-LCS-	Lug/m3	1	2/24/2018 1:15:00 AM		
Bromodichlorom	ethane	< 1.0	1.0		up/m3	1	2/24/2018 1:15:00 AM		
Bromoform		< 1.6	1.6		ug/m3	1	2/24/2018 1 15:00 AM		
Bromomethane		< 0.58	0.58		ug/m3	1	2/24/2018 1 15:00 AM		
Carbon disulfide		< 0.47	0.47		uaim3	1	2/24/2018 1:15:00 AM		
Carbon tetrachio	ride	< 0.94	0.94		ug/m3	1	2/24/2018 1:15:00 AM		
Chlorobeozene		< 0.69	0.00		uginio uginio	1	2/24/2018 1:15:00 AM		
Chioroetbane		< 0.40	0.40		ug/m3	•	2/74/2018 1-15:00 AM		
Chloroform		< 0.40	0.40		ug/m3	1	2/24/2018 1 15 00 AM		
Chloromethane		0.31	0.75		ug/m3	1	2/24/2018 1:15:00 AM		
cis_1.2.Dichloros	ibana	0,51	0.51		ugima upima	4	2/24/2019 1:15:00 AM		
cia 1 1 Dichloroe		< 0.59	0.09		ug/m3	4	2/24/2010 110:00 AM		
Cist 1,5-Dichiolop Custobovere	aopene	< 0.08	0.00		ug/m3	1	2/24/2018 1213:00 AM		
Dibramachlaram	alhaaa	1.0	0.52		ug/ma	1	2/24/2010 1.10:00 AM		
Sthul eestete	enjane	\$ 1.3	1,9 E.4		ug/m3	10	2/24/2010 1:13:00 AM		
Euriyi acelale		10	5.4		ug/ma	10	2/20/2016 4:39/00 AM		
Euryiderizene		1.0	0.65		ug/m3	1	2/24/2018 1:15:00 AM		
F1800 31		1.3	0.84		បច្ច/៣3	1	2/24/2016 1:15:00 AM		
Freen 113		< 1.1	1.1		նց/m3	~1	2/24/2018 1:15:00 AM		
Freon 114		< 1.0	1.0		ug/m3	1	2/24/2018 1:15:00 AM		
)ualifiers: **	Quantitation Llimit	er for de l'erre i des entre		Arrest of social	. Results reported	are not bi	ank corrected		
В	Analyte detected in the associ	ated Method B	Hank		E Estimated Value	above ou	untitation range		
14	Hallion times for according	or analysis ex	reeded		I Aminte detoctor	l balañ a	montitution limit		

JN Non-routine analyte. Quantitation estimated.

S Spike Recovery outside accepted recovery limits

Page 13 of 32

CLIENT:	AMEC Environmer	u & Infrastructu	re, Inc.	Client Sample ID: Tag Number:			OU3-135-SV100 324 377		
Lab Order:	C1802067								
Project:	Elk Street Buffalo -	SVI		Collection	Date:	2/22/2	2018		
Lab ID:	C1802067-007A			N	latrix:	AIR			
	MARA 18	· · · · · · · · · · · · · · · · · · ·			- 199 P		1		
Analyses		Result	**Limit Qu	al Units		DF	Date Analyzed		
1UG/M3 BY MI	ETHOD TO15		TO-15		15		Analyst: RJP		
Freon 12		2.1	0.74	ug/m3		1	2/24/2018 1:15:00 AM		
Heptane		1.2	0.61	ug/m3		1	2/24/2018 1:15 00 AM		
Hexachloro-1,3	-butadiene	< 1.6	1.6VJ- L	CS-Lug/m3		1	2/24/2018 1:15:00 AM		
Нехале		1.4	0.53	ug/m3		1	2/24/2018 1:15 00 AM		
Isopropyl alcoh	ol	25	3.7	ug/m3		10	2/25/2018 4:39:00 AM		
m&p-Xylene		3.3	1.3	ug/m3		1	2/24/2018 1:15:00 AM		
Methyl Butyl Ke	atone	< 1:2	1.2 USLO			1	2/24/2018 1:15:00 AM		
Methyl Ethyl Ka	atone	1.8	0 885-105	L, ug/m3LCS	RPD	1	2/24/2018 1:15:00 AM		
Methyl Isobutyl	Ketone	< 1.2	1.201-10	S-Lug/m3		1	2/24/2018 1:15:00 AM		
Methyl tert-buly	d ether	< 0.54	0.54UJ LC	S-Lug/m3		1	2/24/2018 1:15.00 AM		
Methylene chlo	ride	1.4	0.52	ug/m3		1	2/24/2018 1:15:00 AM		
o-Xylene	•	1.1	0.65-105	-RAD /m3		1	2/24/2018 1:15:00 AM		
Propylene		< 0.26	0.26	ug/m3		1	2/24/2018 1:15:00 AM		
Styrene		0.43	0.64 J	ug/m3		1	2/24/2018 1:15:00 AM		
Tetrachloroethy	lene	6.8	1.0	ug/m3		1	2/24/2018 1:15:00 AM		
Tetrahydrofurar	1	1.4	0.44J-LC	Տ-լ սց/m3		1	2/24/2018 1;15'00 AM		
Toluene		8.3	5.7	ug/m3		10	2/25/2018 4:39:00 AM		
Irans-1.2-Dichlo	proethene	< 0.59	0.59	ug/m3		1	2/24/2018 1:15:00 AM		
trans-1,3-Dichlo	oropropene	< 0.68	0.68	ւ աց/ու3		1	2/24/2018 1:15:00 AM		
Trichloroethene	00	< 0.81	0,81	ug/m3		1	2/24/2018 1:15:00 AM		
Vinyl acetate		< 0.53	0.53	ug/m3		1	2/24/2018 1:15:00 AM		
Vinyl Bromide		< 0.66	0.66	ug/m3		1	2/24/2018 1:15:00 AM		
Vinyl chloride		< 0.38	0.38	ug/m3		1	2/24/2018 1:15:00 AM		

43	Quantitation Limit	2	Results reported an
B	Analyte detected in the associated Method Blank	E	Estimated Value al
Н	Holding times for preparation or analysis exceeded	L	Analyte detected b

JN Non-routine analyte. Quantitation estimated.

5 Spike Recovery outside accepted recovery limits

- re not blank corrected
- hove quantitation range
- Analyte detected below quantitation limit

ND Not Detected at the Limit of Detection

Qualifiers:

Date: 08-Mar-18

CLIENT: Lab Order:	AMEC Environment & C1802067	Infrastructu	ire, Inc.	Client Sample 1D: Tag Number:	OU3- 1184	135-SV101 392
Project: Elk Street Buffalo - S		l		Collection Date:	2/22/2	2018
Lab 1D:	C1802067-008A			Matrix:	AIR	
Analyses		Result	**Limit Qu	al Units	DF	Date Analyzed
FIELD PARAM	ETERS		FLD			Analyst:
Lab Vacuum In		-3		"Hg		2/23/2018
Lab Vacuum Or	ut	-30		"Hg		2/23/2018
1UG/M3 BY ME	ETHOD TO15		TO-15			Analyst: RJP
1,1,1-Trichloroe	lhane	< 0.15	0.15	ppbV	1	2/24/2018 1:55.00 AM
1,1,2,2-Tetrach	loroethane	< 0.15	0.15	ppbV	1	2/24/2018 1,55 00 AM
I,1,2-Trichloroe	thane	< 0.15	0.15	ppbV	1	2/24/2018 1:55:00 AM
1,1-Dichloroeth	ane	< 0.15	0.15	ppbV	1	2/24/2018 1:55:00 AM
1,1-Dichloroeth	ene	< 0.15	0.15	ppbV	1	2/24/2018 1:55:00 AM
1,2,4-Trichlarob	enzene	< 0.15	0.15	ppbV	1	2/24/2018 1:55:00 AM
1.2.4-Trimethylt	enzene	< 0.15	0.15	ppbV	1	2/24/2018 1:55:00 AM
1.2-Dibromoeth	ane	< 0.15	0.15	ppbV	1	2/24/2018 1:55:00 AM
1,2-Dichloroben	izene	< 0.15	0.15	ppbV	1	2/24/2018 1:55:00 AM
1,2-Dichloroeth;	ane	< 0.15	0.15	ppbV	1	2/24/2018 1:55:00 AM
1,2-Dichloroprop	рвле	< 0.15	0 15	ppbV	1	2/24/2018 1 55:00 AM
1,3,5-Trimethylb	benzene	< 0.15	0,15	ppbV	1	2/24/2018 1:55 00 AM
1,3-butadiene		< 0.15	0.15	ppbV	1	2/24/2018 1:55:00 AM
1.3-Dichloroben	zene	< 0,15	0.15	ppbV	1	2/24/2018 1,55.00 AM
1,4-Dichloroben	zene	< 0.15	0.15	ppbV	1	2/24/2018 1:55 00 AM
1,4-Dioxane		< 0.30	0.30	ppbV	1	2/24/2018 1:55:00 AM
2,2,4-trimethylp	entane	0.13	0.15 J	ppbV	1	2/24/2018 1 55 00 AM
4-ethyltoluene		< 0.15	0.15	ppbV	1	2/24/2018 1:55:00 AM
Acetone		13	3.0	ppbV	10	2/25/2018 5 16 00 AM
Allyl chloride		< 0.15	0.15	ppbV	1	2/24/2018 1:55:00 AM
Benzene		0,26	0.15	ppbV	1	2/24/2018 1:55:00 AM
Benzył chloride		< 0.15	0.15	ppbV	1	2/24/2018 1:55:00 AM
Bromodichlorom	hethene	< 0.15	0,15	ppbV	1	2/24/2018 1:55:00 AM
Bromoform		< 0.15	0.15	vdqq	1	2/24/2018 1:55:00 AM
Bromomethane		< 0.15	0.15	Vdaa	1	2/24/2018 1:55 00 AM
Carbon disulfide		< 0.15	0.15	ppbV	1	2/24/2018 1:55:00 AM
Carbon tetrachic	bride	< 0.15	0.15	Vdqq	1	2/24/2018 1:55:00 AM
Chlorobenzene		< 0,15	0.15	Vdqq	1	2/24/2018 1:55:00 AM
Chloroethane		< 0.15	0.15	vdqq	1	2/24/2018 1:55:00 AM
Chloroform		< 0.15	0.15	Vdqq	1	2/24/2018 1.55 00 AM
Chloromethane		0.16	0.15	Vdqq	1	2/24/2018 1:55:00 AM
cis-1,2-Dichloroe	ethene	< 0.15	0.15	Vdqq	1	2/24/2018 1:55:00 AM
cis-1.3-Dichlorod	oropene	< 0.15	0.15	Vdaa	1	2/24/2018 1:55:00 AM
Cyclohexane		0.29	0.15	Vdan	1	2/24/2018 1:55:00 AM
Dibromochlorom	ethane	< 0.15	0.15	Vdqq	1	2/24/2018 1:55:00 AM
Ethyl aceiate		2.9	1.5	Vdqq	10	2/25/2018 5:16:00 AM
. ,				1-1	-	

\*\* Quantitation Limit

Qualifiers:

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

Date: 08-Mar-18

CLIENT:	AMEC Environme	ent & infrastructu	re, Inc.	Clien	t Sample ID:	OU3-	135-SV101
Lab Order:	C1802067			7	ag Number:	1184	392
Project:	Elk Street Buffalo	- SVI		Col	lection Date:	2/22/3	2018
Lah ID:	C1802067-008A				Matrix:	AIR	
Analyses	4 1.1 A A A B BOUNDARY CONTRACT	Result	**Limit	Qual Un	its	DF	Date Analyzed
1UG/M3 BY MI	ETHOD TO15		тс	-15			Analyst: RJP
Ethylbenzene		0.13	0.15	մ թթե	V	1	2/24/2018 1:55:00 AM
Freon 11		0.27	0,15	ррб	V	1	2/24/2018 1:55:00 AM
Freon 113		< 0.15	0.15	ppb	V	1	2/24/2018 1:55:00 AM
Freon 114		< 0.15	0.15	рръ	V	1	2/24/2018 1:55:00 AM
Freon 12		0.53	0.15	ррб	v	1	2/24/2018 1:55:00 AM
Heptane		0.23	0:15	ppb	V	1	2/24/2018 1:55:00 AM
Hexachloro-1,3	-butadiene	< 0.15	0.15	ppb	V	1	2/24/2018 1:55:00 AM
Hexane		0.23	0.15	ppb	V	1	2/24/2018 1:55:00 AM
Isopropyl alcoh	ol	9.0	1.5	ppb	V	10	2/25/2018 5:16:00 AM
m&p-Xylene		0.43	0.30	ppb	V	1	2/24/2018 1:55:00 AM
Methyl Butyl Ke	lone	< 0 30	0.30	ррр	V	1	2/24/2018 1:55:00 AM
Methyl Ethyl Ke	tone	0 68	0.30	ppb	V	1	2/24/2018 1:55:00 AM
Methyl Isobutyl	Ketone	< 0.30	0.30	рръ	v	1	2/24/2018 1:55:00 AM
Methyl tert-buly	l ether	< 0.15	0,15	ррб	v	1	2/24/2018 1.55:00 AM
Mathylene chlo	ride	0.34	0,15	ppb	V	1	2/24/2018 1:55.00 AM
o-Xylene		0.18	0.15	ppb	V	1	2/24/2018 1 55 00 AM
Propylene		< 0.15	0.15	ppb	v	1	2/24/2018 1:55 00 AM
Styrene		< 0.15	0.15	ppb	V	1	2/24/2018 1:55:00 AM
Tetrachloroethy	lene	1.3	0.15	ppb	V	1	2/24/2018 1:55:00 AM
Tetrahydrofurar	1	0.37	0.15	ppb	v	1	2/24/2018 1:55:00 AM
Toluene		1.4	0.15	ppb	V	1	2/24/2018 1:55:00 AM
trans-1.2-Dichlo	roethone	< 0.15	0.15	ppb	v	1	2/24/2018 1:55:00 AM
trans-1,3-Dichlo	ropropene	< 0.15	0.15	ppb	v	1	2/24/2018 1:55:00 AM
Trichloroethene		< 0.15	0.15	ppb	V	1	2/24/2018 1:55:00 AM
Vinyl acetate		< 0.15	0.15	ppb	V	1	2/24/2018 1.55:00 AM
Vinyl Bromide		< 0.15	0.15	ррб	v	1	2/24/2018 1:55:00 AM
Vinyl chloride		< 0.15	0,15	ppb	v	1	2/24/2018 1:55:00 AM
Surr: Bromof	luorobenzene	95.0	70-130	%R	EC	1	2/24/2018 1:55:00 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 helow quantitation limit

#### Date: 08-Mar-18

CLIENT:	AMEC Environment &	Infrastructu	ire, Inc.	Client Sample	D:	0U3-	135-SV101	
Lab Order: C1802067				Tag Num	ber:	1184	392	
Project:	Elk Street Buffalo - SV	I		Collection E	)ate:	2/22/2	2018	
Lab ID:	C1802067-008A	•		Ma	trix:	AIR		
Analyses		Result	**Limit Q	ual Units		DF	Date Analyzed	
1UG/M3 BY ME	ETHOD TO15		TO-15	2			Anaivst: RJP	
1,1,1-Trichloroe	thane	< 0.82	0.82	ug/m3		1	2/24/2018 1:55:00 AM	
1,1,2,2-Tetrach	loroethane	< 1.0	1.0	ug/m3		1	2/24/2018 1:55:00 AM	
1,1,2-Trichloroe	ethane	< 0.82	0.82	ug/m3		1	2/24/2018 1:55:00 AM	
1,1-Dichloroeth	aud	< 0.61	0.61	ug/m3		1	2/24/2018 1:55:00 AM	
1,1-Dichloroeth	епе	< 0.59	0.59	ug/m3		1	2/24/2018 1:55:00 AM	
1,2.4-Trichlorob	enzene	< 1,1	1.100-10	S-L ug/m3		1	2/24/2018 1:55:00 AM	
1,2,4-Trimethylt	oenzone	< 0.74	0.740)-1.(	LS-Lug/m3		1	2/24/2018 1:55:00 AM	
1,2-Dibromoeth	але	< 1,2	1,2	vg/m3		1	2/24/2018 1:55:00 AM	
1,2-Dichloroben	zene	< 0.90	0,90u)- L(	LS-Lug/m3		1	2/24/2018 1:55:00 AM	
1,2-Dichloroetha	sne	< 0.61	0.61	ug/m3		1	2/24/2018 1 55 00 AM	
1.2-Dichloroproj	Dane	< 0.69	0,69	ug/m3		1	2/24/2018 1:55:00 AM	
1,3,5-Trimethylt	penzene	< 0,74	0.7403-10	S-Lug/m3		1	2/24/2018 1:55:00 AM	
1,3-butadiene		< 0.33	0.33	ug/m3		1	2/24/2018 1:55:00 AM	
1,3-Dichloroben	zene	< 0.90	0,90	ug/m3		1	2/24/2018 1:55:00 AM	
1,4-Dichloroben	zene	< 0.90	0 90	ua/m3		1	2/24/2018 1:55:00 AM	
1,4-Dioxane		< 1.1	1.10)-LC	S-L ug/m3		1	2/24/2018 1:55:00 AM	
2,2,4-trimethylpe	≥ntane	0.61	0.70 J	uo/m3		1	2/24/2018 1 55 00 AM	
4-ethyltoluene		< 0.74	0.7403-1.0	S-L ua/m3		1	2/24/2018 1 55:00 AM	
Acetone		32	7.1	ua/m3		10	2/25/2018 5:16:00 AM	
Allyl chloride		< 0.47	0.47	ua/m3		1	2/24/2018 1:55:00 AM	
Benzene		0.83	0.48	ua/m3		1	2/24/2018 1:55:00 AM	
Benzyl chloride		< 0.86	0.861(1-1)	IS-Lug/m3		1	2/24/2018 1:55:00 AM	
Bromodichlorom	ethane	< 1.0	1.0	up/m3		1	2/24/2018 1:55:00 AM	
Bromoform		< 1.6	1.6	uo/m3		1	2/24/2018 1:55 00 AM	
Bromomethane		< 0.58	0.58	ug/m3		1	2/24/2018 1-55:00 AM	
Carbon disulfide		< 0.47	0.47	ug/m3		•	2/24/2018 1:55 00 AM	
Carbon tetrachio	ride	< 0.94	0.94	ug/m3		1	2/24/2018 1:55:00 AM	
Chlorobenzene		< 0.69	0.69	ug/m3		1	2/24/2018 1-56 00 AM	
Chloroethane		< 0.40	0.00	ug/m3		•	2/24/2019 1-55-00 AM	
Chloroform		< 0.73	0.73	ug/m3		1	2/24/2010 1.00.00 MM	
Chloromethane		0.13	0.75	ug/m3		1 6	2/24/2010 1:33:00 AW	
cis-1.2-Dichloroe	thene	c 0 50	0.51	0g/m3		1 t	2/24/2010 1.00.00 MIN	
cis-1.3-Dichloron	000809	< 0.68	0.55	09/113		1	2/24/2018 1.55,00 AM	
Cyclohexane	a an an an a suite	1.0	0.00	ug/m3 tug/m3			4/44/2010 1.33'00 MM	
Dibromochlarom	ethane	< 1.3	17	aguno aguno		1	2/24/2010 1:00.00 AM	
Ethyl acetate		10	1.3 E A	ug/m3		1	2/26/2018 6:46:00 AM	
Elhylbenzene		0.55	0.4 0.55 I	ug/m3	1		2/20/2010 0:10/00 AM	
Freon 11		4 5		ugana upima	1	1	2124/2018 1:55:00 AM	
Freen 113		د. مەس	V.04	vg/m3	1		2/24/2018 1:55:00 AM	
From 114		S-1,1	1.1	ug/m3	1		2/24/2018 1:55.00 AM	
110001114		< 1.0	1.0	ug/m3	1	i	2/24/2018 1155:00 AM	

\*\* Quantitation Limit

Qualifiers:

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

CLIENT:	AMEC Environment	& Infrastructu	re, Inc.	Client Sample 1D:	OU3-	135-SV101
Lab Order:	C1802067			Tag Number:	1184	392
Project:	Elk Street Buffalo - S	VI		Collection Date:	2/22/2	2018
Lab ID:	C1802067-008A			Matrix:	AIR	2
Analyses	SHIRING ASI D'AN STÀN	Result	**Limit Qua	1 Units	DF	Date Analyzed
1UG/M3 BY ME	ETHOD TO15		TO-15			Analyst: RJP
Frean 12		2.6	0.74	ug/m3	1	2/24/2018 1:55:00 AM
Heptane		0.94	0.61	ug/m3	1	2/24/2018 1:55:00 AM
Hexachloro-1,3	-buladiene	< 1.6	1.64)-10	S-lug/m3	1	2/24/2018 1:55:00 AM
Hexane		0.81	0.53	ug/m3	1	2/24/2018 1:55:00 AM
Isopropyl alcoh	ol	22	3.7	ug/m3	10	2/25/2018 5:16:00 AM
m&p-Xylene		1,9	1.3	ug/m3	1	2/24/2018 1:55:00 AM
Methyl Butyl Ke	lone	< 1.2	1.2UJ-LC	Lug/m3	1	2/24/2018 1 55 00 AM
Methyl Ethyl Ke	lone	2.0	0.88-105-1	ug/m3LCS-RPD	1	2/24/2018 1:55.00 AM
Methyl Isobutyl	Ketone	< 1.2	1201-10	<u>S-لياع/m3</u>	1	2/24/2018 1:55:00 AM
Methyl tert-buly	l ether	< 0.54	0.54U)- LC	Slug/m3	1	2/24/2018 1:55:00 AM
Methylene chlo	ride	1.2	0.52	ug/m3	1	2/24/2018 1:55:00 AM
o-Xylene		0.78	0.651-105	ppg/m3	1	2/24/2018 1:55:00 AM
Propylene		< 0.26	0.26	ug/m3	1	2/24/2018 1:55:00 AM
Styrene		< 0.64	0.64	ug/m3	1	2/24/2018 1:55:00 AM
Tetrachloroethy	iene	8.5	1.0	ug/m3	1	2/24/2018 1 55:00 AM
Tetrahydrofurar	1	1.1	0.44 J-LCS	Lug/m3	1	2/24/2018 1:55:00 AM
Toluene		5.1	0.57	ug/m3	1	2/24/2018 1:55 00 AM
trans-1,2-Dichlo	roethene	< 0.59	0.59	ug/m3	1	2/24/2018 1:55:00 AM
trans-1,3-Dichlo	ropropene	< 0.68	0.68	ug/m3	1	2/24/2018 1:55:00 AM
Trichloroethene		< 0.81	0.81	ug/m3	1	2/24/2018 1:55:00 AM
Vinyl acetate		< 0.53	0.53	ug/m3	1	2/24/2018 1:55:00 AM
Vinyl Bromide		< 0.65	0 66	ug/m3	1	2/24/2018 1:55:00 AM
Vinyl chloride		< 0.38	0.38	ua/m3	1	2/24/2018 1:55:00 AM

Qualifiers:

#### \*\* Quantitation Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- JN Non-roatine 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

Centek La	Centek Laboratories, LLC						Date: 08-Mar-18			
CLIENT: Lab Order: Project: Lab ID:	AMEC Environment & C1802067 Elk Street Buffalo - SVI C1802067-009A	Infrastructu	ire, Inc.		Client Sample ID: Tag Number: Collection Date: Matrix:		OU3-135-SV102 419 397 2/22/2018 AIR			
Analyses	ter calebra	Result	**Limit	Qua	l Units		DF	Date Analyzed		
FIELD PARAM	ETERS		FL	D				Analyst:		
Lab Vacuum In		-3			"Hg			2/23/2018		
Lab Vacuum Oi	ut	-30			"Hg			2/23/2018		
1UG/M3 BY ME	THOD TO15		то	-15				Analyst: RJP		
1,1,1-Trichloroe	thane	< 0.15	0.15		ppbV		1	2/24/2018 2:34:00 AM		
1,1,2,2-Tetrachi	broethane	< 0.15	0.15		ppbV		1	2/24/2018 2:34:00 AM		
1,1,2-Trichloroe	lhane	< 0.15	0.15		ppbV		1	2/24/2018 2:34:00 AM		
1,1-Dichloroetha	ane	< 0.15	0.15		ppbV	S.	1	2/24/2018 2:34:00 AM		
1,1-Dichlorcethe	ene	< 0.15	0.15		ppbV		1	2/24/2018 2:34:00 AM		
1,2,4-Trichlorob	enzone	< 0.15	0.15		pobV		1	2/24/2018 2:34:00 AM		
1,2,4-Trimethylt	penzene	< 0,15	0.15		ppbV		1	2/24/2018 2:34:00 AM		
1,2-Dibromoeth	900	< 0.15	0.15		ppbV		1	2/24/2018 2 34 00 AM		
1,2-Dichloroben	zene	< 0.15	0,15		ppbV		1	2/24/2018 2 34 00 AM		
1,2-Dichloroetha	ane	< 0.15	0.15		ppbV		1	2/24/2018 2 34 00 AM		
1,2-Dichloroprog	Dane	< 0.15	0.15		pobV		1	2/24/2018 2 34.00 AM		
1,3,5-Trimethylb	enzene	< 0.15	0.15		Vdqq		1	2/24/2018 2 34 00 AM		
1,3-butadiene		< 0.15	0.15		ppbV		1	2/24/2018 2:34:00 AM		
1,3-Dichloroben	zene	< 0.15	0.15		Vdqq		1	2/24/2018 2:34:00 AM		
1.4-Dichloroben	zene	< 0.15	0.15		opbV		1	2/24/2018 2:34:00 AM		
1,4-Dioxane		< 0.30	0.30		vobV		1	2/24/2018 2:34:00 AM		
2,2,4-trimethylpa	znlane	0.21	0.15		DabV		1	2/24/2018 2:34:00 AM		
4-ethyltoluene		< 0.15	0.15		pobV		1	2/24/2018 2:34:00 AM		
Acelone		14	3.0		DobV		10	2/25/2018 5'52:00 AM		
Allyt chloride		< 0.15	0.15		nnbV		1	2/24/2018 2:34:00 AM		
Benzone		0.32	0.15		opbV		1	2/24/2018 2:34:00 AM		
Benzyl chloride		< 0.15	0.15		nnhV		1	2/24/2018 2:34:00 AM		
Bromodichlorom	elhane	< 0.15	0.15		nnhV		1	2/24/2018 2:34:00 AM		
Bromoform		< 0.15	0.15		opbV		+	2/24/2018 2 34:00 AM		
Bromomethane		< 0.15	0.15		ophV		1	2/24/2018 2:34:00 AM		
Carbon disulfide		< 0.15	0.15		nnhV		4	2/24/2010 2:34:00 AM		
Carbon tetrachio	ride	< 0.15	0.15		nnhV		1	2/24/2010 2:34 00 AM		
Chiorobenzene		< 0.15	0.15		nnhV		1	2/24/2010 2.34.00 AM		
Chloroethane		< 0.15	0.15		pobV		1	2/2//2018 2:34:00 AM		
Chloroform		< 0.15	0.10		onbV		1	2/24/2010 2.34.00 AN		
Chloromethane		< 0.15 < 0.15	0-1-5 0-1-6		ppev		1	2/2//2018 2:34:00 AM		
cis-1 2-Dickloros	thene	<0.15 <0.16	0.10 0.16		peb//		1 1	2/24/2010 2:34:00 AM		
cis_1 3_Dickloroo	100000	20.10	0,10		ppbV opbV		+	2/24/2010 2:39:00 MN		
Cuclobevece	n where the	N 0.13	0.10		hhna		-	2/24/2010 2:34:00 AM		
Dibromochlorom	alhana	c D 15	0,10 A 1E		pppv pppv		4	2124746010 & 34,00 MM		
	wstraartig	~ U.10	U.13		VUUU		1	LICHICUTO LOUIU MIN		

Qualifiers:

Ethyl acetate

++ Quantitation Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

3.6

1.5

ppbV

JN Non-routine analyte. Quantitation estimated.

S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected .

10

£ Estimated Value above quantitation range

Analyte detected below quantitation limit J

Not Detected at the Limit of Detection ND

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2/25/2018 5 52 00 AM

### Contak Laboratories LLC

Contex Dat	JULATONICS, LLC								
CLIENT: Lab Order:	AMEC Environment & 1 C1802067	nfrastructu	ire, Inc.	(	Client Sample ID: Tag Number:	: OU3-135-SV102 : 419 397			
Project:	Elk Street Buffalo - SVI				Conection Date:		2/22/2018		
Lab ID:	C1802067-009A				Matrix:	AIR			
Analyses		Result	**Limit	Qua	Units	DF	Date Analyzed		
1UG/M3 BY ME	THOD TO15		то	-15			Analyst: RJP		
Ethylbenzene		0.13	0.15	J	ppbV	1	2/24/2018 2:34:00 AM		
Freon 11		0.31	0,15		ppbV	1	2/24/2018 2:34:00 AM		
Freon 113		< 0,15	0,15		ppbV	1	2/24/2018 2:34:00 AM		
Freon 114		< 0,15	0.15		ppbV	1	2/24/2018 2:34:00 AM		
Freon 12		0.55	0.15		ppbV	1	2/24/2018 2;34;00 AM		
Heptane		0.20	0.15		ppbV	1	2/24/2018 2.34:00 AM		
Hexachloro-1,3-b	ouladiene	< 0.15	0,15		ppbV	1	2/24/2018 2:34:00 AM		
Нехале		0 27	0.15		ppbV	1	2/24/2018 2:34:00 AM		
Isopropyl alcohol	!	8.9	1.5		ppbV	10	2/25/2018 5:52:00 AM		
m&p-Xylene		0.43	0.30		ppbV	1	2/24/2018 2:34:00 AM		
Methyl Butyl Keto	one	< 0.30	0.30		ppbV	1	2/24/2018 2:34:00 AM		
Methyl Ethyl Keto	one	1.0	0.30		ppbV	1	2/24/2018 2:34:00 AM		
Methyl Isobutyl K	etone	< 0.30	0.30		ppbV	1	2/24/2018 2:34:00 AM		
Methyl tert-butyl	ether	< 0.15	0,15		ppbV	1	2/24/2018 2:34.00 AM		
Methylene chlorid	le	3.2	1.5		ppbV	10	2/25/2018 5:52:00 AM		
o-Xylene		0.15	0,15		ppbV	1	2/24/2018 2:34:00 AM		
Propylene		< 0.15	0.15		ppbV	1	2/24/2018 2:34:00 AM		
Styrene		< 0.15	0.15		ppbV	1	2/24/2018 2.34:00 AM		
Tetrachloroethyle	ne	0.69	0,15		ppbV	1	2/24/2018 2:34:00 AM		
Tetrahydrofuran		0.49	0.15		ррьУ	1	2/24/2018 2:34:00 AM		
Toluene		2.3	1.5		ppbV	10	2/25/2018 5:52:00 AM		
Irans-1,2-Dichlore	pethene	< 0,15	0.15		Vdqq	1	2/24/2018 2:34:00 AM		
Irans-1,3-Dichlore	ppropene	< 0.15	0.15		ppbV	1	2/24/2018 2:34:00 AM		
Trichloroethene		< 0.15	0.15		ppbV	1	2/24/2018 2:34:00 AM		
Vinyl acetate		< 0.15	0.15		ppbV	1	2/24/2018 2:34:00 AM		
Vinyl Bromide		< 0.15	0.15		ppbV	1	2/24/2018 2:34:00 AM		
Vinyl chloride		< 0.15	0.15		ррbV	1	2/24/2018 2:34:00 AM		
Surr: Bromoflu	orobenzene	92.0	70-130		%REC	1	2/24/2018 2 34:00 AM		

Quantitation Limit

\*1

- B Analyte detected in the associated Method Blank
- Н 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
- Analyte detected below quantitation limit J
- ND Not Detected at the Limit of Detection

#### Date: 08-Mar-18

CLIENT: AMEC Environment & Infrastructure, Inc. Client Sample ID: OU3-135-SV102 Lab Order: C1802067 Tag Number: 419/397 Collection Date: 2/22/2018 **Project:** Elk Street Buffalo - SVI Matrix: AIR Lab ID; C1802067-009A 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 ua/m3 1 2/24/2018 2:34:00 AM 1,1,2,2-Tetrachloroethane < 1.0 1.0 ug/m3 1 2/24/2018 2:34:00 AM 1,1,2 Trichloroethane < 0.82 0.82 ug/m3 1 2/24/2018 2:34:00 AM 1,1-Dichloroethane < 0.61 0.61 ug/m3 1 2/24/2018 2:34:00 AM 1,1-Dichloroethene < 0.59 0.59 ug/m3 1 2/24/2018 2:34:00 AM 1.101 LCS L 1,2,4-Trichlorobenzene < 1.1 ug/m3 2/24/2018 2:34:00 AM 1 1.2.4-Trimethylbenzene < 0.74 0.74115-LCS-L ug/m3 2/24/2018 2:34:00 AM 1 1,2-Dibromoethane < 1.2 1.2 ug/m3 1 2/24/2018 2:34:00 AM 1.2-Dichlorobenzene < 0.90 0.9003-LCS-L ug/m3 1 2/24/2018 2:34:00 AM 1.2-Dichloroethane < 0.61 0.61 ug/m3 2/24/2018 2:34:00 AM 1 1,2-Dichloropropane < 0.69 0.69 ug/m3 1 2/24/2018 2:34:00 AM 1,3,5-Trimethylbenzene < 0.74 0.74111CS-L 2/24/2018 2:34 00 AM ug/m3 1 1,3-butadiene < 0.33 0.33 ug/m3 1 2/24/2018 2:34:00 AM 1,3-Dichlorobenzene < 0.90 0.90 ug/m3 1 2/24/2018 2:34:00 AM 1,4-Dichlorobenzene < 0.90 0.90 ug/m3 1 2/24/2018 2:34:00 AM 1.4-Dioxane < 1.1 ug/m3 2/24/2018 2:34:00 AM 1.163-LCS-L 1 2,2,4-trimethylpentane 0.98 0.70 ug/m3 1 2/24/2018 2:34:00 AM 4-ethyltoluene < 0.74 0.74WILCS L ug/m3 1 2/24/2018 2:34:00 AM Acetone 33 7.1 ug/m3 10 2/25/2018 5:52:00 AM Allyl chloride < 0.47 0.47 ug/m3 1 2/24/2018 2:34:00 AM ug/m3 Benzene 1.0 0.48 1 2/24/2018 2:34:00 AM Benzyl chloride < 0.86 0.86\) LCS-L ug/m3 2/24/2018 2:34:00 AM 1 Bromodichloromethane < 1.0 1.0 ug/m3 1 2/24/2018 2:34:00 AM Bromoform < 1.6 1.6 ug/m3 1 2/24/2018 2:34:00 AM Bromomethane < 0.58 0.58 ug/m3 1 2/24/2018 2:34:00 AM Carbon disulfide < 0.47 0.47 uq/m3 1 2/24/2018 2:34:00 AM Carbon tetrachloride 0.94 < 0.94 ug/m3 1 2/24/2018 2:34:00 AM Chlorobenzene 0.69 < 0.69ug/m3 1 2/24/2018 2 34 00 AM Chloroethane < 0.40 0.40 ug/m3 1 2/24/2018 2.34:00 AM Chloroform < 0.73 0.73 ug/m3 1 2/24/2018 2:34:00 AM Chloromethane 0.31 < 0.31 ug/m3 1 2/24/2018 2:34 00 AM cis-1,2-Dichloroethene < 0.59 0.59 ug/m3 1 2/24/2018 2:34:00 AM cis-1,3-Dichloropropene < 0.68 0.68 ug/m3 1 2/24/2018 2:34 00 AM Cyclohexane 1.1 0.52 ug/m3 1 2/24/2018 2:34:00 AM Dibromochloromethane < 1.3 1.3 ug/m3 1 2/24/2018 2:34:00 AM Ethyl acetate 13 5.4 ug/m3 10 2/25/2018 5:52:00 AM Ethylbenzene 0.56 0.65 Ъ ug/m3 1 2/24/2018 2:34:00 AM Freon 11 1.7 0.84 ug/m3 1 2/24/2018 2:34:00 AM Freon 113 < 1.1 1.1 ug/m3 1 2/24/2018 2:34:00 AM Freon 114 < 1.0 1 1.0 ug/m3 2/24/2018 2:34:00 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

CLIENT:	CLIENT: AMEC Environment & Infrastructure, Inc.			Client Sample ID:	OU3-	135-SV102	
Lab Order:	C1802067			Tag Number:	419.3	19 397	
Project:	Elk Street Buffalo - SVI			Collection Date:	2/22/2	2018	
Lab ID:	C1802067-009A			Matrix:	AIR		
Analyses		Result	**Limit Qua	l Units	DF	Date Analyzed	
1UG/M3 BY ME	THOD TO15		TO-15			Analyst: RJP	
Freon 12		2.7	0.74	ug/m3	1	2/24/2018 2.34:00 AM	
Heptane		0.82	0,61	ug/m3	1	2/24/2018 2:34:00 AM	
Hexachloro-1,3-	butadiene	< 1,6	1.601-109	€m/gu J+	1	2/24/2018 2:34:00 AM	
Hexane		0.95	0.53	ug/m3	1	2/24/2018 2:34:00 AM	
Isopropyl alcoho	l	22	3.7	ug/m3	10	2/25/2018 5:52:00 AM	
m&p-Xylene		1.9	1.3	ug/m3	1	2/24/2018 2:34:00 AM	
Mothyl Bulyl Ke	tone	< 1.2	1.2VJ-LCS	-Lug/m3	1	2/24/2018 2 34 00 AM	
Methyl Ethyl Ke	tone	2.9	0.881-105-1	ug/m3LCS-RPP	1	2/24/2018 2:34:00 AM	
Methyl Isobutyl	Ketone	< 1.2	1.203-10	S-Lug/m3	1	2/24/2018 2:34:00 AM	
Methyl tert-butyl	l eiher	< 0.54	0.54UJ-LCS	∖_ սց/m3	1	2/24/2018 2:34.00 AM	
Methylene chlor	ide	11	5,2	ug/m3	10	2/25/2018 5 52:00 AM	
o-Xylene		0.65	0 65) -LCS F	PDug/m3	1	2/24/2018 2:34:00 AM	
Propylene		< 0.26	0.26	ug/m3	1	2/24/2018 2:34:00 AM	
Styrene		< 0.64	D 64	ug/m3	1	2/24/2018 2:34:00 AM	
Tetrachloroethyl	lene	4.7	1.0	ug/m3	1	2/24/2018 2:34:00 AM	
Tetrahydrofuran	•	1.4	0.44)-LCS-	Ug/m3	1	2/24/2018 2:34:00 AM	
Toluene		8.7	5,7	ug/m3	10	2/25/2018 5 52:00 AM	
trans-1,2-Dichlo	roethene	< 0.59	0.59	ug/m3	1	2/24/2018 2:34:00 AM	
trans-1,3-Dichlo	ropropene	< 0.68	0.68	ug/m3	1 30	2/24/2018 2:34:00 AM	
Trichloroethene		< 0.81	0.81	ug/m3	1	2/24/2018 2:34:00 AM	
Vinyl acetate		< 0.53	0.53	ug/m3	1	2/24/2018 2:34:00 AM	
Vinyl Bromide		< 0.66	0.66	ug/m3	1	2/24/2018 2:34:00 AM	
Vinyt chloride		< 0.38	0.38	ug/m3	1	2/24/2018 2:34:00 AM	

Qualifiers:

#### \*\* Quantitation Limit

B Analyte detected in the associated Method Blank

11 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

and an in the second se

- E Estimated Value above quantitation range
- J Analyte detected helow quantitation limit

Date: 08-Mar-18

CLIENT: AMEC Environment & Infrastructure, Inc.					Client Sample ID:	OU3-	135-SV103	
Lab Order:	C1802067				Tag Number:	370 3	73	
Project	Fik Street Ruffalo - SV	1			Collection Date:	7/77/2018		
Lab ID	C1802067 0103				Matrix	A10		
Lab ID:	C1802007-010A				1*18111X.	PHIN -		
Analyses		Result	**Limit	Qual	Units	DF	Date Analyzed	
FIELD PARAM	ETERS		F	LD			Analyst:	
Lab Vacuum In		-3			"Hg		2/23/2018	
Lab Vacuum O	ut	-30			"Hg		2/23/2018	
1UG/M3 BY ME	ETHOD TO15		тс	)-15			Analyst: RJP	
1,1,1-Trichloros	thane	< 0.15	0.15		ppbV	1	2/24/2018 3:14:00 AM	
1,1,2,2-Tetrach	loroethane	< 0.15	0.15		ppbV	1	2/24/2018 3:14:00 AM	
1,1,2-Trichloroe	thane	< 0.15	0.15		ppbV	1	2/24/2018 3:14:00 AM	
1,1-Dichloroetha	ane	< 0.15	0.15		ppbV	1	2/24/2018 3:14:00 AM	
1,1-Dichloroeth	ene	< 0.15	0.15		ppbV	1	2/24/2018 3:14:00 AM	
1,2,4-Trichlorob	enzene	< 0.15	0.15		ppbV	1	2/24/2018 3:14:00 AM	
1,2,4-Trimethylt	penzene	0.13	0.15	J	ppbV	1	2/24/2018 3:14:00 AM	
1.2-Dibromoeth	ane	< 0,15	0.15		ppbV	1	2/24/2018 3:14:00 AM	
1,2-Dichloroben	zene	< 0.15	0.15		ppbV	1	2/24/2018 3:14:00 AM	
1,2-Dichloroethi	ano	< 0.15	0.15		ppbV	1	2/24/2018 3 14:00 AM	
1,2-Dichloroproj	рале	< 0.15	0.15		ppbV	1	2/24/2018 3:14:00 AM	
1,3,5-Trimothylit	Denzene	< 0.15	0.15		ppbV	1	2/24/2018 3:14:00 AM	
1,3-butadiene		< 0.15	0.15		ppbV	1	2/24/2018 3 14 00 AM	
1,3-Dichloroben	zene	< 0.15	0.15		ppbV	1	2/24/2018 3:14:00 AM	
1_4-Dichloroben	zene	< 0.15	0.15		ppbV	1	2/24/2018 3:14:00 AM	
1.4-Oioxane		< 0.30	0.30		ppbV	1	2/24/2018 3 14:00 AM	
2,2,4-trimethylp	entane	0.17	0,15		Vdqq	1	2/24/2018 3-14:00 AM	
4-ethyltoluene		< 0.15	0.15		Vdqq	1	2/24/2018 3:14:00 AM	
Acetone		12	3.0		vdaa	10	2/25/2018 6:29:00 AM	
Alivi chloride		< 0.15	0.15		pabV	1	2/24/2018 3:14:00 AM	
Benzane		0.25	0.15		Vdog	1	2/24/2018 3:14:00 AM	
Benzyl chloride		< 0.15	0.15		pobV	1	2/24/2018 3:14:00 AM	
Bromodichlorom	nethane	< 0.15	0.15		Vdaa	1	2/24/2018 3 14:00 AM	
Bromoform		< 0.15	0.15		opbV	1	2/24/2018 3:14:00 AM	
Bromomethane		< 0.15	0.15		vag	1	2/24/2018 3:14:00 AM	
Carbon disulfide		< 0.15	0.15		pobV	1	2/24/2018 3:14:00 AM	
Carbon tetrachic	oride	< 0.15	0.15		opbV	1	2/24/2018 3:14:00 AM	
Chiorobenzene		< 0.15	0.15		napy	1	2/24/2018 3:14:00 AM	
Chloroethane		< 0.15	0.15		nohV	1	2/24/2018 3:14:00 AM	
Chloroform		< 0.15	0.15		nahV	1	2/24/2018 3 14 00 AM	
Chloromeihane		< 0.15	0.15		Vdqq	1	2/24/2018 3:14:00 AM	
cis-1 2-Dichloro	Nhene	< 0.15	0.15		ophV	1	2/24/2018 3 14:00 AM	
cis.1 3 Dichloro		< 0.15	0.15		nnhV	1	2/24/2018 3 14:00 AM	
Cyclohevane	properto	0.10	0.10 A 14		ppbv	1	2/24/2018 3 14:00 AM	
Dibiomochlacom	alhana	U.42	0.10		ppbv	*	2/24/2018 2 14:00 AM	
Ethyl sestals	IGH IGTIC	- U.19	1.5		ppbv ppbv	10	2/25/2018 8:20:00 AM	
Citry acetale		3.5	1.5		μμυν	10	2/20/2010 0.29.00 MM	

\*\* Quantitation Limit

Qualifiers:

 ${\bf B}$  — 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

Amalaana		Decult	##1 imit	Qual	Ilmite	1512	Date Analy	mark
Lab ID:	C1802067-010A	-	access a pacing the star	enduloria	Matrix:	AIR		
Project:	Elk Street Buffalo - SVI				Collection Date:	2/22/2018	B	
Lab Order:	C1802067				Tag Number:	370 373		
CLIENT:	AMEC Environment & In	frastructur	re, Inc.	C	lient Sample ID:	OU3-135	-SV103	

7/11/1/3C3	Result	contr. Qua	Contra Co	Dr	Date Analyzed
1UG/M3 BY METHOD TO15		TO-15			Analyst: RJP
Ethylbenzene	0.14	0,15 J	ppbV	1	2/24/2018 3:14:00 AM
Freen 11	0.36	0.15	ppbV	1	2/24/2018 3:14:00 AM
Freon 113	< 0.15	0.15	ppbV	1	2/24/2018 3:14:00 AM
Freon 114	< 0.15	0.15	ppbV	1	2/24/2018 3:14:00 AM
Freon 12	0.58	0,15	ррьУ	1	2/24/2018 3:14:00 AM
Heptane	0.23	0.15	рръV	1	2/24/2018 3:14:00 AM
Hexachloro-1,3-butadiene	< 0.15	0.15	ppbV	1	2/24/2018 3:14:00 AM
Hexane	0.15	0.15	ppbV	1	2/24/2018 3:14:00 AM
Isopropyl alcohol	12	1.5	ppbV	10	2/25/2018 6:29.00 AM
m&p-Xylene	0.55	0.30	ppbV	1	2/24/2018 3:14:00 AM
Methyl Butyl Ketone	< 0.30	0.30	ppbV	1	2/24/2018 3:14.00 AM
Methyl Elhyl Ketone	0.90	0.30	ppbV	1	2/24/2018 3.14:00 AM
Methyl Isobutyl Ketone	< 0.30	0.30	ppbV	1	2/24/2018 3:14:00 AM
Methyl tert-butyl ether	< 0.15	0.15	ppbV	1	2/24/2018 3-14 00 AM
Methylene chloride	0.23	0.15	opb∨	1	2/24/2018 3.14.00 AM
o-Xylene	0.22	0.15	ppbV	1	2/24/2018 3:14:00 AM
Propylene	< 0.15	0.15	ppbV	1	2/24/2018 3:14:00 AM
Styrene	< 0.15	0.15	ppbV	1	2/24/2018 3:14:00 AM
Tetrachloroethylene	1.4	0.15	ppbV	1	2/24/2018 3:14:00 AM
Tetrahydrofuran	0.59	0.15	ppbV	1	2/24/2018 3:14:00 AM
Toluene	1.4	0.15	ppbV	1	2/24/2018 3:14:00 AM
trans-1,2-Dichloroethene	< 0.15	0.15	ppbV	1	2/24/2018 3:14:00 AM
trans-1,3-Dichloropropene	< 0.15	0.15	ppbV	1	2/24/2018 3:14:00 AM
Trichloroethene	< 0.15	0.15	ppbV	1	2/24/2018 3:14:00 AM
Vinył acetate	< 0,15	0.15	ррьV	1	2/24/2018 3.14:00 AM
Vinyl Bromide	< 0.15	0 15	ppbV	1	2/24/2018 3 14:00 AM
Vinyl chloride	< 0.15	0,15	ppbV	1	2/24/2018 3:14:00 AM
Surr: Bromolluorobenzene	97.0	70-130	%REC	1	2/24/2018 3 14:00 AM

Qualifiers:

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- Quantitation Limit
- в Analyte detected in the associated Method Blank
- Н 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

Date: 08-Mar-18

Date: 08-Mor-18

CLIENT:	AMEC Environment &	Infrastructu	ire, Inc.	C	lient Sample ID:	003-	135-SV103
Lab Order:	C1802067				Tag Number:	370.3	73
Project:	Elk Street Buffalo - SVI				Collection Date:	2/22/2	018
Lab ID:	C1802067-010A				Matrix:	AIR	
Analyses		Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY ME	ETHOD TO15		то-	15			Analyst: RJP
1,1,1-Trichloroe	thane	< 0.82	0.82		ug/m3	1	2/24/2018 3:14:00 AM
1,1,2,2-Telrach	loroethane	< 1.0	1.0		ug/m3	1	2/24/2018 3 14:00 AM
1,1,2-Trichloree	thane	< 0.82	0,82		ug/m3	1	2/24/2018 3:14:00 AM
1,1-Dichloroetha	ane	< 0,61	0.61		ug/m3	1	2/24/2018 3:14:00 AM
1,1-Dichloroethi	ene	< 0,59	0.59		ug/m3	1	2/24/2018 3:14:00 AM
1.2.4-Trichlorob	enzene	< 1.1	1.10	-LCS-L	ug/m3	1	2/24/2018 3:14:00 AM
1,2,4-Trimethyli	0enzene	0.64	0,74	J -	ug/m3LCS-L.LCS	-RPD	2/24/2018 3 14:00 AM
1,2-Dibromoeth	ane	< 1.2	1.2		ug/m3	1	2/24/2018 3.14:00 AM
1,2-Dichloroben	izene	< 0,90	0,90/1)	LCS-L	ug/m3	1	2/24/2018 3:14:00 AM
1,2-Dichloroetha	ane	< 0.61	0.61		ug/m3	1	2/24/2018 3:14:00 AM
1,2-Dichloropro	pane	< 0,69	0.69		ug/m3	1	2/24/2018 3:14:00 AM
1,3,5-Trimethylt	penzone	< 0.74	0.740)	LCS-L	ug/m3	1	2/24/2018 3:14:00 AM
1,3-butadiene		< 0,33	0.33		ug/m3	1	2/24/2018 3:14:00 AM
1,3-Dichloroben	zene	< 0.90	0.90		ug/m3	1	2/24/2018 3:14:00 AM
1,4-Dichioraben	zene	< 0.90	0.90		ug/m3	1	2/24/2018 3:14:00 AM
1,4-Dioxane		< 1.1	1.105	LCS-L	ug/m3	1	2/24/2018 3:14:00 AM
2,2,4-trimethylp	entane	0.79	0.70		ug/m3	1	2/24/2018 3:14:00 AM
4-ethyltoluene		< 0.74	0.74 <sub>U</sub> j	LCSI	ug/m3	1	2/24/2018 3:14:00 AM
Acetone		25	7.1		ug/m3	10	2/25/2018 6:29.00 AM
Allyl chloride		< 0.47	0.47		ug/m3	1	2/24/2018 3:14:00 AM
Bonzeno		0.80	0.48		ug/m3	1	2/24/2018 3:14:00 AM
Benzyl chloride		< 0.86	0.86ijj.	LCSL	ug/m3	1	2/24/2018 3:14:00 AM
Bromodichlorom	nethane	< 1.0	1.0		ug/m3	1	2/24/2018 3:14:00 AM
Bromoform		< 1.6	1.6		ug/m3	1	2/24/2018 3:14:00 AM
Bromome(hane		< 0.58	0.58		ug/m3	1	2/24/2018 3114.00 AM
Carbon disulfide		< 0.47	0.47		ug/m3	1	2/24/2018 3:14:00 AM
Carbon tetrachio	oride	< 0.94	0.94		ug/m3	1	2/24/2018 3:14:00 AM
Chlorobenzene		< 0.69	0.69		ug/m3	1	2/24/2018 3:14:00 AM
Chloroethane		< 0.40	0.40		ug/m3	1	2/24/2018 3:14:00 AM
Chloroform		< 0.73	0.73		ug/m3	1	2/24/2018 3:14:00 AM
Chloromethane		< 0.31	0.31		ug/m3	1	2/24/2018 3:14:00 AM
cis-1,2-Dichloro	ethone	< 0.59	0.59		vg/m3	1	2/24/2018 3:14:00 AM
cis-1,3-Dichloro	propene	< 0.68	0.68		ug/m3	1	2/24/2018 3:14:00 AM
Cyclohexane		1.4	0,52		ug/m3	1	2/24/2018 3:14:00 AM
Dibromochlorom	nethane	< 1.3	1.3		ug/m3	1	2/24/2018 3:14:00 AM
Ethyl acetate		14	5.4		ug/m3	10	2/25/2018 6:29:00 AM
Ethylbenzene		0.61	0.65	J	ug/m3	1	2/24/2018 3:14:00 AM
Freon 11		2.0	0.84		ug/m3	1	2/24/2018 3:14:00 AM
Freon 113		< 1.1	1.1		ug/m3	1	2/24/2018 3:14:00 AM
Freod 114		< 1.0	10		ua/m3	1	2/24/2018 3:14:00 AM

\*\* Quantitation Limit

Qualifiers:

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

Analyte detected below quantitation limit

Date: 08-Mar-18

CLIENT: AMEC Environment & Infrastructure, Inc. Client Sample ID: OU3-135-SV103 Lab Order: C1802067 Tag Number: 370 373 Collection Date: 2/22/2018 Project: Elk Street Buffalo - SVI C1802067-010A Matrix: AIR Lab ID: Analyses Result \*\*Limit Oual Units DF Date Analyzed 1UG/M3 BY METHOD TO15 **TO-15** Analyst RJP Freon 12 2.9 0.74 ug/m3 1 2/24/2018 3:14:00 AM Heptane 0.94 2/24/2018 3:14:00 AM 0.61 ug/m3 1 Hexachloro-1,3-butadiene < 1.6 1.60J-LCS-L ug/m3 1 2/24/2018 3:14:00 AM Hexane 0.53 0.53 ug/m3 2/24/2018 3:14:00 AM 1 isopropyl alcohol 30 3.7 ug/m3 10 2/25/2018 6:29:00 AM m&p-Xylene 2.4 1.3 ug/m3 1 2/24/2018 3:14:00 AM Methyl Butyl Ketone < 1.2 1.2W-LCS-Lug/m3 2/24/2018 3:14:00 AM 1 Methyl Ethyl Ketone 2.7 0.88j-LCS-L, ug/m3LCS-RPD 2/24/2018 3:14:00 AM 1 Methyl Isobulyl Ketone < 1,2 1.2 (J-LCS-Lug/m3 1 2/24/2018 3:14:00 AM Methyl lert-bulyl athar < 0.54 0.54 \) iCS lug/m3 1 2/24/2018 3:14:00 AM Methylene chloride 0.80 0.52 ug/m3 1 2/24/2018 3 14:00 AM o-Xylene 0.96 0.6514 CS-RPDug/m3 1 2/24/2018 3:14:00 AM Propylene < 0.26 0.26 1-2/24/2018 3 14:00 AM ug/m3 Styrene < 0.64 0.64 ug/m3 1 2/24/2018 3:14:00 AM Tetrachloroethylene 9.8 1:0 ug/m3 1 2/24/2018 3:14:00 AM Tetrahydroluran 1.7 0.44)-LCS-L ug/m3 2/24/2018 3:14:00 AM 1 Toluene 5.4 0.57 2/24/2018 3:14:00 AM ug/m3 1 trans-1.2-Dichloroethene < 0.59 2/24/2018 3:14:00 AM 0.59 ug/m3 1 trans-1,3-Dichloropropene < 0.68 0.68 ug/m3 1 2/24/2018 3:14:00 AM Trichloroethene < 0.81 0.81 ug/m3 1 2/24/2018 3:14:00 AM Vinyl acetate < 0.53 0.53 ug/m3 1 2/24/2018 3:14:00 AM Vinyl Bromide < 0.66 0 66 ug/m3 2/24/2018 3:14:00 AM 1 Vinyl chloride < 0.38 0.38 2/24/2018 3 14:00 AM ug/m3 1

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

Date: 08-Mar-18

CLIENT: AMEC Environment & Infrastructure, Inc.						OU3-	3-135-SV104		
Lab Orden	C1807067		•	-	Tog Number	2373	237 394		
Dunlant.	CHI Course Duckles - DA				Collection Date:		018		
rrojecti	Elk Sireet Burnato - SV	l			Concention Date.	. 212212 AUD	.010		
Lab ID:	C1802067-011A				Matrix	AIK			
Analyses		Result	**Limit	Qual	Units	DF	Date Analyzed		
FIELD PARAM	ETERS		FI	LÐ			Analyst:		
Lab Vacuum In		-3			"Hg		2/23/2018		
Lab Vacuum O	μt	-30			:"Hg		2/23/2018		
1UG/M3 BY ME	ETHOD TO15		то	-15			Analyst: RJP		
1,1,1-Trichloroe	ethane	< 0.15	0.15		ppbV	1	2/24/2018 3:54:00 AM		
1,1,2,2-Tetrach	loroethane	< 0.15	0.15		ppbV	1	2/24/2018 3:54:00 AM		
1,1,2-Trichloroe	Ihane	< 0.15	0.15		ppbV	1	2/24/2018 3:54:00 AM		
1,1-Dichloroetha	ane	< 0.15	0.15		ppbV	1	2/24/2018 3 54:00 AM		
1.1-Dichloroeth	eng	< 0.15	0.15		ppbV	1	2/24/2018 3 54:00 AM		
1,2,4-Trichlorob	ienzene	< 0.15	0,15		ρpbV	1	2/24/2018 3:54:00 AM		
1,2,4-Trimethylt	benzene	0.25	0.15		ppbV	1	2/24/2018 3 54 00 AM		
1.2-Dibromoeth	ane	< 0.15	0.15		ppbV	1	2/24/2018 3:54:00 AM		
1.2-Dichloroben	zene	< 0.15	0,15		ppbV	1	2/24/2018 3 54 00 AM		
1.2-Dichloroetha	ane	< 0.15	0.15		ppbV	1	2/24/2018 3.54 00 AM		
1.2-Dichloroproj	pane	< 0.15	0.15		ppbV	1	2/24/2018 3 54 00 AM		
1,3,5-Trimethylt	benzene	< 0.15	0.15		ppbV	1	2/24/2018 3:54.00 AM		
1,3-butadiene		< 0.15	0.15		Vdqq	1	2/24/2018 3:54:00 AM		
1,3-Dichloroben	izene	< 0.15	0.15		ppbV	1	2/24/2018 3:54 00 AM		
1.4-Dichloroben	zene	< 0.15	0.15		Vdqq	1	2/24/2018 3:54:00 AM		
1,4-Dioxane		< 0.30	0.30		ppbV	1	2/24/2018 3 54 00 AM		
2.2.4-trimethylp	entane	0.21	0.15		Vdqq	1	2/24/2018 3:54:00 AM		
4-ethyltoluone		< 0.15	0.15		ppbV	1	2/24/2018 3:54:00 AM		
Acetone		27	3.0		Vdaq	10	2/25/2018 7:06:00 AM		
Allyl chloride		< 0.15	0.15		Vdqq	1	2/24/2018 3 54:00 AM		
Benzene		0.31	0.15		Vdaq	1	2/24/2018 3 54 00 AM		
Benzvl chloride		< 0.15	0.15		Vdag	1	2/24/2018 3:54:00 AM		
Bromodichlorom	rethane	< 0.15	0.15		Vdaa	1	2/24/2018 3:54 00 AM		
Bromoform		< 0.15	D 15		Vdag	1	2/24/2018 3 54:00 AM		
Bromomethane		< 0.15	0.15		Vdag	1	2/24/2018 3:54:00 AM		
Carbon disulfide	3	0.12	0.15	J	opbV	1	2/24/2018 3:54:00 AM		
Carbon tetrachk	oride	< 0.15	0.15	·	nphV	1	2/24/2018 3:54:00 AM		
Chlorobenzene		< 0.15	0.15		pphV	1	2/24/2018 3.54 00 AM		
Chiorcethane		< 0.15	0.15		anbV	1	2/24/2018 3:54 00 AM		
Chioroform		< 0.15	0.15		nobV	1	2/24/2018 3:54 00 AM		
Chloromethane		< 0.15	0.15		nnbV	1	2/24/2018 3:54:00 AM		
cis-1.2-Dichloro	athene	< 0.15	0.15		nabV	1	2/24/2018 3 54 00 AM		
cis-1.3-Dichloro		< 0.15	0.10		onbV	1	2/24/2018 3:54:00 AM		
Cyclobevane	her ache act rate	043	0.15		nabV	1	2/24/2018 3:54 OD AM		
Dibromachlorog	nothana	20.15	0.15		ppbv	1	7/24/2018 3:54:00 444		
Ethul sentain	101110110	- 0110 A	4 6		pobV	10	2/25/2018 7:06:00 AM		
curry acetate		4.4	1.0		hhna	19	STERIED ID 1.00 00 MIN		

Qualifiers:

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

<sup>\*\*</sup> Quantitation Limit

Date: 08-Mar-18

CLIENT:	AMEC Environm	ent & Infrastructu	ire, Inc.	Client Sam	ple ID:	OU3-135-SV104		
Lah Order:	C1802067			Tag N	umber:	237 3	94	
Project:	Elk Street Buffale	o - SVI		Collectio	n Date:	2/22/2018		
Lah ID:	C1802067-011A			е. Н	Matrix:	AIR		
Analyses	1. Letter in the Real and a set of the Real and a set of the Real and a set of the Real and t	Result	**Limit	Qual Units		DF	Date Analyzed	
1UG/M3 BY MI	ETHOD TO15		то	-15			Analyst: RJP	
Ethylbenzene		0.25	0.15	Vdqq		1	2/24/2018 3:54:00 AM	
Freon 11		0,79	0,15	ppbV		1	2/24/2018 3:54:00 AM	
Freqn 113		< 0.15	0.15	ppbV		1	2/24/2018 3.54:00 AM	
Freon 114		< 0,15	0.15	ppbV		1	2/24/2018 3:54:00 AM	
Freon 12		0.74	0.15	ppbV		1	2/24/2018 3:54:00 AM	
Hoptane		0.35	0.15	ppbV		1	2/24/2018 3:54:00 AM	
Hexachloro-1,3	-buladiene	< 0.15	0.15	ppbV		1	2/24/2018 3:54:00 AM	
Hexane		0.27	0.15	ppbV		1	2/24/2018 3:54:00 AM	
Isopropyi alcoh	ol	12	1.5	ppb∨		10	2/25/2018 7:06:00 AM	
m&p-Xylene		0.96	0.30	ppbV		1	2/24/2018 3:54:00 AM	
Mothyl Butyl Ke	lione	0.35	0.30	ppbV		1	2/24/2018 3:54:00 AM	
Methyl Ethyl Ke	tone	1.7	0.30	ррЪ∨		1	2/24/2018 3:54:00 AM	
Methyl Isobutyl	Ketone	0.66	0.30	ppbV		1	2/24/2018 3:54:00 AM	
Methyl tert-buly	i ether	< 0.15	0,15	ppbV		1	2/24/2018 3 54:00 AM	
Methylene chio	ride	0.31	0.15	ppbV		1	2/24/2018 3 54:00 AM	
o-Xylene		0.38	0.15	ppb∨		1	2/24/2018 3 54 00 AM	
Propylene		< 0.15	0.15	ppbV		1	2/24/2018 3.54:00 AM	
Styrene		< 0.15	0.15	ppbV		1	2/24/2018 3:54:00 AM	
Tetrachioroethy	lene	1.8	0.15	ppbV		1	2/24/2018 3 54:00 AM	
Tetrahydrofurar	1	0.81	0.15	ppbV		1	2/24/2018 3:54:00 AM	
Toluene		2.5	1.5	ppbV		10	2/25/2018 7:06:00 AM	
trans-1,2-Dichlo	roethene	< 0.15	0.15	ppb∨		1	2/24/2018 3:54:00 AM	
trans-1,3-Dichlo	ropropene	< 0.15	0.15	ppbV		1	2/24/2018 3:54:00 AM	
Trichloroethene		< 0.15	0.15	ppbV		1	2/24/2018 3 54:00 AM	
Vinyl acetate		< 0.15	0.15	ppbV		1	2/24/2018 3 54:00 AM	
Vinyl Bromide		< 0.15	0.15	ppbV		1	2/24/2018 3:54 00 AM	
Vinyl chloride		< 0.15	0.15	ppbV		1	2/24/2018 3 54:00 AM	
Surr: Bromof	luorobenzene	103	70-130	%REC		1	2/24/2018 3:54 00 AM	

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Qualifiers:	**	Quantitation Limit	1.0	Results reported are not blank corrected
	ĥ	Analyte detected in the associated Method Blank	63	Estimated Value above quantitation range
	Η	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		

#### Page 22 of 32

Date: 08-Mar-18

Client Sample ID: OU3-135-SV104 CLIENT: AMEC Environment & Infrastructure, Inc. Lab Order: Tag Number: 237 394 C1802067 Collection Date: 2/22/2018 **Project:** Elk Street Buffalo - SVI Matrix: AIR Lab ID: C1802067-011A \*\*Limit Qual Units DF **Date Analyzed** Analyses Result 1UG/M3 BY METHOD TO15 Analyst: RJP TO-15 2/24/2018 3 54:00 AM < 0.82 1 1,1,1-Trichloroethane 0.82 ug/m3 1.0 ug/m3 1 2/24/2018 3:54:00 AM 1,1,2,2-Tetrachloroethane < 1.0 2/24/2018 3:54:00 AM 1,1,2-Trichloroethane < 0.82 0.82 ug/m3 1 < 0.61 0.61 ug/m3 2/24/2018 3.54 00 AM 1.1-Dichloroethane 1 1 2/24/2018 3:54:00 AM 1,1-Dichloroethene < 0.59 0.59 ug/m3 1. HUJ-LCS-L unim3 2/24/2018 3:54:00 AM 1,2,4-Trichlorobenzene < 1.1 1 0.74]-LCS-L, ug/m3LCS-RPD 2/24/2018 3.54 00 AM 1 1,2,4-Trimethylbenzene 1.2 2/24/2018 3:54:00 AM 1.2-Dibromoethane < 1.2 1.2 ug/m3 1 0.9003-LCS-L ug/m3 1 2/24/2018 3:54:00 AM 1.2-Dichlorobenzene < 0.90 2/24/2018 3:54:00 AM 1,2-Dichloroethane < 0.61 0.61 ug/m3 1 0.69 ug/n\3 1 2/24/2018 3:54:00 AM 1,2-Dichloropropane < 0.69 0.740]-LCS-L 1 2/24/2018 3:54:00 AM 1,3,5-Trimethylbenzene < 0.74 ug/m3 2/24/2018 3:54:00 AM ug/m3 1 1,3-butadiene < 0.33 0.33 1 2/24/2018 3:54:00 AM 1,3-Dichlorobenzene < 0.90 0.90 ug/m3 1.4-Dichlorobenzene < 0.90 0.90 ug/m3 1 2/24/2018 3:54:00 AM 1 2/24/2018 3 54:00 AM 1.4-Dioxane < 1.1 1.105-1C5-1, ug/m3 0.70 ug/m3 1 2/24/2018 3:54:00 AM 2.2.4-trimethylpentane 0.98 2/24/2018 3:54:00 AM 4-othyltolueno < 0.74 0.74())-{\_\_\_\_\_ug/m3 1 10 2/25/2018 7:06 00 AM ug/m3 Acetone 64 7.1 2/24/2018 3:54:00 AM Allyl chloride < 0.47 0.47 ug/m3 1 2/24/2018 3:54:00 AM 0.48 ug/m3 1 Benzene 0.99 2/24/2018 3:54 00 AM **Benzyl chloride** < 0.86 0.86() 1- LCS-L ug/m3 1 2/24/2018 3.54:00 AM Bromodichloromethane < 1.0 1.0 ug/m3 1 Bromotorm 1.6 ug/m3 1 2/24/2018 3:54:00 AM < 1:6 0.58 2/24/2018 3:54:00 AM Bromomethane < 0.58 ug/m3 1 Carbon disulfide 0.37 0.47 J ug/m3 1 2/24/2018 3:54:00 AM 1 2/24/2018 3:54:00 AM Carbon letrachloride < 0.94 0.94 ug/m3 Chlorobanzane 0.69 ug/m3 1 2/24/2018 3:54:00 AM < 0.69 Chloroethane < 0.40 0.40 ug/m3 1 2/24/2018 3:54:00 AM 1 2/24/2018 3:54:00 AM Chloroform < 0.73 0.73 ug/m3 Chloromethane < 0.31 0.31 ug/m3 1 2/24/2018 3 54:00 AM cis-1,2-Dichloroethene 0.59 ug/m3 1 2/24/2018 3:54:00 AM < 0.59 0.68 ug/m3 1 2/24/2018 3:54:00 AM cis-1.3-Dichloropropene < 0.68 2/24/2018 3:54:00 AM Cyclohexane 1.5 0.52 ug/m3 1 ug/m3 1 2/24/2018 3:54:00 AM Dibromochloromethane < 1.3 1.3 10 2/25/2018 7:06:00 AM 5.4 ug/m3 Ethyl acetate 8.6 Ethylbenzene 1.1 0.65 ug/m3 1 2/24/2018 3:54:00 AM 0.84 1 2/24/2018 3:54:00 AM Freon 11 4.4 ug/m3 1 2/24/2018 3 54 00 AM Freon 113 < 1.1 1.1 ug/m3 2/24/2018 3:54:00 AM Freon 114 < 1.0 1.0 ug/m3 1 Qualifiers: 28 Quantitation Limit Results reported are not blank corrected

Analyte detected in the associated Method Blank B H

Holding times for preparation or analysis exceeded JN.

S Spike Recovery outside accepted recovery limits Е Estimated Value above quantitation range

Analyte detected below quantitation limit J

Non-routine analyte, Quantitation estimated.

CLIENT:AMEC Environment & Infrastructure, Inc.Lab Order:C1802067Project:Elk Street Buffalo - SVILab ID:C1802067-011A

#### Client Sample ID: OU3-135-SV104 Tag Number: 237 394 Collection Date: 2/22/2018 Matrix: AIR

Analyses	Result	**Limit Qu	ul Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		TÓ-15		<u></u>	Analyst: RJP
Freon 12	3.7	0,74	ug/m3	1	2/24/2018 3:54:00 AM
Heplane	1.4	0.61	ug/m3	1	2/24/2018 3:54:00 AM
Hexachloro-1,3-butadiene	< 1.6	1.6VJ-LC	S-L_ug/m3	1	2/24/2018 3:54:00 AM
Hexane	0.95	0.53	ug/m3	1	2/24/2018 3:54:00 AM
Isopropyl alcohol	29	3.7	ug/m3	10	2/25/2018 7:06:00 AM
m&p-Xylene	4 2	1.3	ug/m3	1	2/24/2018 3:54:00 AM
Methyl Butyl Ketone	1.4	1.23-605	L, ug/m3 LCS -RF	1 D	2/24/2018 3:54:00 AM
Methyl Ethyl Ketone	5.0	0.881.105	-Liug/m3LCS-RF	D 1	2/24/2018 3:54:00 AM
Methyl Isobutyl Ketone	2.7	1.2) LCS	Lug/m3LCS-RF	1 O'	2/24/2018 3:54:00 AM
Methyl tert-bulyl ether	< 0.54	0.5411-109	-Lug/m3	1	2/24/2018 3:54:00 AM
Methylene chtoride	1.1	0.52	ug/m3	1	2/24/2018 3 54:00 AM
o-Xylene	1,6	0.651-LCS-	RPDig/m3	1	2/24/2018 3:54:00 AM
Propylene	< 0.26	0.26	ug/m3	1	2/24/2018 3:54:00 AM
Styrene	< 0.54	0.64	ug/m3	1	2/24/2018 3:54:00 AM
Tetrachioroethylene	12	1.0	ug/m3	1	2/24/2018 3:54:00 AM
Tetrahydrofuran	2.4	0.44)-LCS	-L ug/m3	1	2/24/2018 3:54:00 AM
Toluene	9.4	5.7	ug/m3	10	2/25/2018 7:06:00 AM
trans-1,2-Dichloroothene	< 0.59	0.59	ug/m3	1	2/24/2018 3:54:00 AM
trans-1,3-Dichloropropene	< 0.68	0,68	ug/m3	1	2/24/2018 3:54:00 AM
Trichloroethene	< 0.81	0.81	ug/m3	1	2/24/2018 3:54:00 AM
Vinyl acetate	< 0.53	0.53	ug/m3	1	2/24/2018 3:54:00 AM
Vinyl Bromide	< 0.66	0.66	ug/m3	1	2/24/2018 3:54:00 AM
Vinyi chloride	< 0.38	0.38	ug/m3	1	2/24/2018 3:54:00 AM

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Qualifiers:	4.6	Quantitation Limit		Results reported are not blank corrected
	В	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
	Н	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		

Date: 08-Mar-18

CLIENT:	AMEC Environmen	t & Infrastructu	re, Inc.		Client Sample ID:	OU3-	135-1A100
Lab Order:	C1802067				Tag Number:	240.4	45
Project:	Elk Street Buffalo -	SVI			Collection Date:	2/22/2	2018
Lab ID:	C1802067-012A				Matrix	AIR	
	0100007-012/						
Analyses		Result	**Limit	Qual	Units	DF	Date Analyzed
	ETERS		F	LD			Analyst:
Lab Vacuum In		-3			"Hg		2/23/2018
Lab Vacuum Or	ut	-30			"Hg		2/23/2018
1UG/M3 W/ 0.2	UG/M3 CT-TCE-VC-DC	E-1,1DCE	то	-15			Analyst: RJP
1,1,1-Trichloroe	thane	< 0.15	0.15		ppbV	1	2/23/2018 3 12:00 PM
1,1.2,2-Tetrachi	oroethane	< 0.15	0.15		ppbV	1	2/23/2018 3 12 00 PM
1,1,2-Trichloroe	thane	< 0.15	0.15		ppbV	1	2/23/2018 3 12:00 PM
1,1-Dichloroeth:	ane	< 0.15	0.15		ppbV	1	2/23/2018 3.12:00 PM
1,1-Dichloroethe	ene	< 0.040	0.040		ррЬ∨	1	2/23/2018 3,12:00 PM
1.2.4-Trichlorob	enzene	< 0,15	0.15		ppbV	1	2/23/2018 3:12:00 PM
1,2,4-Trimethylb	penzene	0.14	0,15	J	ppbV	1	2/23/2018 3:12:00 PM
1,2-Dibromoetha	ane	< 0.15	0.15		ppbV	1	2/23/2018 3 12:00 PM
1,2-Dichloroben	zene	< 0,15	0.15		ppbV	1	2/23/2018 3:12:00 PM
1,2-Dichloroetha	inė	< 0.15	0.15		ppbV	1	2/23/2018 3:12:00 PM
1,2-Dichloroprop	bane	< 0.15	0,15		ppbV	1	2/23/2018 3:12:00 PM
1,3,5-Trimethylb	enzene	< 0.15	0.15		ppbV	1	2/23/2018 3:12:00 PM
1,3-butadiene		< 0.15	0.15		ppbV	1	2/23/2018 3:12:00 PM
1,3-Dichloroben:	zene	< 0.15	0.15		ppbV	1	2/23/2018 3:12:00 PM
1,4-Dichloroben:	2010	< 0.15	0.15		ppbV	1	2/23/2018 3:12:00 PM
1.4-Dioxane		< 0.30	0.30		рры∨	1	2/23/2018 3:12:00 PM
2.2.4-trimethylpe	entane	0.11	0.15	J	ppbV	1	2/23/2018 3:12:00 PM
4-ethyltoiuene		< 0.15	0.15		ppbV	1	2/23/2018 3:12:00 PM
Acetone		3,1	0.30		ppbV	1	2/23/2018 3:12:00 PM
Allyl chloride		< 0.15	0.15		ppbV	1	2/23/2018 3:12:00 PM
Benzene		0.39	0.15		ppbV	1	2/23/2018 3:12:00 PM
Benzyl chloride		< 0.15	0.15		рръV	1	2/23/2018 3:12:00 PM
Bromodichlorom	ethane	< 0.15	0.15		ppbV	1	2/23/2018 312:00 PM
Bromotorm		< 0.15	0,15		ppbV	1	2/23/2018 3:12:00 PM
Bromomethane		< 0.15	0.15		ppbV	1	2/23/2018 3.12:00 PM
Carbon disulfide		< 0.15	0.15		ppbV	1	2/23/2018 3.12:00 PM
Carbon tetrachio	ride	< 0.030	0.030		ppbV	1	2/23/2018 3:12.00 PM
Chlorobenzene		< 0.15	0.15		ppbV	1	2/23/2018 3:12:00 PM
Chloroethane		< 0.15	0.15		ppbV	1	2/23/2018 3:12,00 PM
Chioroform		< 0.15	0.15		ppbV	1	2/23/2018 3:12.00 PM
Chloromethane		0.47	0.15		ppbV	1	2/23/2018 3:12:00 PM
cis-1,2-Dichloroe	lhene	< 0.040	0.040		ppbV	1	2/23/2018 3:12:00 PM
cis-1_3-Dichlorop	ropene	< 0.15	0.15		ppbV	1	2/23/2018 3:12.00 PM
Cyclohexane		< 0.15	0.15		ppbV	1	2/23/2018 3:12:00 PM
Dibromochlorom	ethane	< 0.15	0.15		ppbV	1	2/23/2018 3:12:00 PM
Ethyl acelate		0.17	0.15		Vdqq	1	2/23/2018 3:12:00 PM
					• -		

\*\* Quantitation Limit

Qualifiers:

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

JN Non-routine analyte. Quantilation 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

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CLIENT:	AMEC Environment & Infrastructure, Inc.	Client Sample ID:	OU3-135-IA100
Lab Order:	C1802067	Tag Number:	240 445
Project:	Elk Street Buffalo - SVI	Collection Date:	2/22/2018
Lab 1D:	C1802067-012A	Matrix:	AIR

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Analyses	ixesuit	- Dint Q	uai Uints		Date Anaryzed
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC	DCE-1,1DCE	TO-15	5		Analyst: RJP
Ethylbenzene	0.12	0.15	J ppbV	1	2/23/2018 3:12:00 PM
Freen 11	0,31	0.15	ppbV	1	2/23/2018 3:12:00 PM
Freon 113	< 0.15	0.15	ppbV	1	2/23/2018 3:12:00 PM
Freon 114	< 0.15	0.15	Vdqq	1	2/23/2018 3:12:00 PM
Freon 12	0.55	0.16	ppbV	1	2/23/2018 3:12:00 PM
Heptane	0.16	0.15	ppbV	1	2/23/2018 3:12:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15	ppbV	1	2/23/2018 3 12:00 PM
Hexane	0.35	0.15	ppbV	1	2/23/2018 3:12:00 PM
Isopropyl alcohol	< 0,15	0.15	ppbV	1	2/23/2018 3:12.00 PM
m&p-Xylene	0.43	0.30	ppbV	1	2/23/2018 3:12:00 PM
Mothyl Butyl Ketone	< 0.30	0.30	ppbV	1	2/23/2018 3 12:00 PM
Methyl Ethyl Ketone	0.33	0,30	ppbV	1	2/23/2018 3 12.00 PM
Methyl Isobutyl Ketone	0,12	0.30	J ppbV	1	2/23/2018 3.12:00 PM
Methyl tert-butyl ether	< 0.15	0.15	ppbV	1	2/23/2018 3:12.00 PM
Methylene chloride	0.31	0.15	ppbV	1	2/23/2016 3:12:00 PM
o-Xylena	0.18	0.15	ppbV	1	2/23/2018 3:12:00 PM
Propylene	0.090	0.15	J ppbV	1	2/23/2018 3:12:00 PM
Styrene	< 0.15	0.15	ppbV	1	2/23/2018 3:12:00 PM
Tetrachloroethylene	< 0.15	0.15	ppbV	1	2/23/2018 3:12:00 PM
Tetrahydrofuran	< 0.15	0.15	ppbV	1	2/23/2018 3:12:00 PM
Taluene	1.2	0.15	ppbV	1	2/23/2018 3:12:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15	ppbV	1	2/23/2018 3:12:00 PM
trans-1.3-Dichloropropene	< 0.15	0.15	ppbV	1	2/23/2018 3:12:00 PM
Trichloroethene	< 0.030	0.030	ppbV	1	2/23/2018 3:12:00 PM
Vinyl acetate	< 0.15	0.15	ррbV	1	2/23/2018 3:12:00 PM
Vinyl Bromide	< 0.15	0.15	ppbV	7	2/23/2018 3:12:00 PM
Vinyl chloride	< 0 040	0.040	ppbV	t	2/23/2018 3:12:00 PM
Surr: Bromofluorobenzene	97.0	70-130	%REC	1	2/23/2018 3 12:00 PM

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Qualifiers:	4.8	Quantitation Limit		Results reported are not blank corrected
	В	Analyte detected in the associated Method Blank	E	Estimated Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	1	Analyte detected below quantitation limit
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Limit of Detection
	e.	Spike Recovery outside accented recovery limits		Page 24 01 32

CLIENT:	AMEC Environment	- Infrastructu	- Inc	Client Sumple ID:	0113	
Lah Order:	C1802067	c mintor doru	G, 111G.	Tau Mumbum		120-174100
Buotonti				Tug Number:	240 4	140 2012
rroject:	Elk Street Bullato - SA	/1		Collection Date:	2/22/	2018
Lab ID;	C1802067-012A			Matrix:	AIR	
Analyses		Result	**Limit Q	ual Units	DF	Date Analyzed
1UG/M3 W/ 0.2	UG/M3 CT-TCE-VC-DCE	1,1DCE	TO-15			Analyst: RJP
1,1,1-Trichloroe	thane	< 0.82	0.82	ug/m3	1	2/23/2018 3 12:00 PM
1,1,2,2-Tetrach	oroethane	< 1.0	1.0	ug/m3	1	2/23/2018 3 12:00 PM
1,1,2-Trichlore	thane	< 0.82	0.82	ug/m3	1	2/23/2018 3 12:00 PM
1,1-Dichloroethi	aue	< 0.61	0.61	ug/m3	1	2/23/2018 3 12:00 PM
1,1-Dichloroethe	ene	< 0.16	0.16	ug/m3	1	2/23/2018 3 12 00 PM
1,2,4-Trichlorob	enzene	< 1,1	1.103-10	ՀՏ-Եսց/m3	1	2/23/2018 3 12:00 PM
1.2.4-Trimethylb	lenzene	0.69	0.74 .	- ug/m3LCS L,LCS	RPD	2/23/2018 3 12:00 PM
1,2-Dibromoethi	ene	< 1.2	1.2	ug/กา3	1	2/23/2018 3:12:00 PM
1,2-Dichloroben	zene	< 0.90	0.90 <u>0}-L(</u>	S-Lug/m3	1	2/23/2018 3:12:00 PM
1,2-Dichioroetha	ine	< 0.61	0.61	ug/m3	1	2/23/2018 3:12:00 PM
1,2-Dichloroprop	bane	< 0.69	0.69	vg/m3	1	2/23/2018 3:12:00 PM
1,3,5-Trimethylb	enzene	< 0.74	0.74 <u>0)-L(</u>	S-L_ ug/m3	<sup>8</sup> 1	2/23/2018 3 12:00 PM
1,3-buladiene		< 0.33	0.33	ug/m3	1	2/23/2018 3 12:00 PM
1,3-Dichloroben:	zena	< 0.90	0.90	ug/m3	1	2/23/2018 3:12:00 PM
1,4-Dichloroben:	zene	< 0.90	0.90	ug/m3	1	2/23/2018 3:12:00 PM
1,4-Dioxane		< 1.1	1.1UJ-L(	S-L-ug/m3	1	2/23/2018 3:12:00 PM
2,2,4-trimethylpe	entane	0.51	0.70	ug/m3	1	2/23/2018 3:12:00 PM
4-othyltoluene		< 0.74	0.7403-10	S-[ ug/m3	4	2/23/2018 3:12:00 PM
Acetone		7.4	0.71	ug/m3	1	2/23/2018 3:12.00 PM
Allyl chloride		< 0.47	0.47	ug/m3	1	2/23/2018 3:12:00 PM
Benzene		1.2	0.48	ug/m3	1	2/23/2018 3:12:00 PM
Bonzyl chloride		< 0.86	0.86W-LC	S-Lug/m3	1	2/23/2018 3:12:00 PM
Bromodichlorom	ethane	< 1.0	1.0	ug/m3	1	2/23/2018 3:12:00 PM
Bramoform		< 1.6	1.6	ug/m3	1	2/23/2018 3:12:00 PM
Bromomethane		< 0.58	0.58	ug/m3	1	2/23/2018 3:12:00 PM
Carbon disulfide		< 0.47	0.47	ug/m3	1	2/23/2018 3:12:00 PM
Carbon tetrachio	ride	< 0:19	0.19	ug/m3	1	2/23/2018 3:12:00 PM
Chlorobenzene		< 0.69	0.69	ug/m3	1	2/23/2018 3:12:00 PM
Chloroethane		< 0.40	0.40	ug/m3	1	2/23/2018 3·12:00 PM
Chloroform		< 0.73	0.73	ug/m3	1	2/23/2018 3:12:00 PM
Chloromethane		0.97	0.31	ug/m3	1	2/23/2018 3:12:00 PM
cis-1,2-Dichloroe	thene	< 0.16	0,16	ug/m3	1	2/23/2018 3:12:00 PM
cis-1,3-Dichlorop	ropene	< 0.68	0.68	ug/m3	1	2/23/2018 3:12:00 PM
Cyclohexane		< 0.52	0.52	ug/m3	1	2/23/2018 3:12:00 PM
Dibromochlorom	ethane	< 1.3	1.3	ug/m3	1	Z/23/2018 3:12 00 PM
Ethyl acetate		0.61	0.54)-105	Jug/m31 CS-RPD	1	2/23/2018 3:12:00 PM
Ethylbenzene		0.52	0,65 J	ug/m3	1	2/23/2018 3:12:00 PM
Freen 11		1.7	0.84	ug/m3	1	2/23/2018 3:12:00 PM
Freon 113		< 1.1	1.1	ug/m3	1	2/23/2018 3:12:00 PM
Freon 114		< 1.0	1.0	ug/m3	1	2/23/2018 3:12:00 PM

\*\* Quantitation Limit

Qualifiers:

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

1

E Estimated Value above quantitation range

J Analyte detected below quantitation limit

CLIENT:	AMEC Environr	nent & Infrastructu	re, Inc.	Client Sampl	e ID: OU3-	135-1A100
Lab Order:	C1802067			Tag Nua	nber: 240 44	45
Project:	Elk Street Buffal	o-SVI		Collection	Date: 2/22/2	018
Lab ID:	C1802067-012A			Mi	atrix: AIR	
Analyses	an a boat of a location - location	Result	**Liniit	Qual Units	DF	Date Analyzed
1UG/M3 W/ 0.2	UG/M3 CT-TCE-VC	-DCE-1,1DCE	TO	-15		Analyst: RJP
Freon 12		2.7	0.74	ug/m3	1	2/23/2018 3:12:00 PM
Heptane		0.6G	0.61	ug/m3	Т	2/23/2018 3:12:00 PM
Hexachloro-1,3	butadiene	< 1.6	1.60	J-LCS-Lug/m3	1	2/23/2018 3:12:00 PM
Hexane		1,3	0.53	ug/m3	1	2/23/2018 3:12:00 PM
Isopropyl alcoho	lç	< 0.37	0.37	ug/m3	1 1	2/23/2018 3:12:00 PM
m&p-Xylene		1.9	1.3	ug/m3	1	2/23/2018 3:12:00 PM
Methyl Butyl Ke	tone	< 1.2	1.20	I-LCS-Lug/m3	1	2/23/2018 3:12:00 PM
Methyl Ethyl Ke	lone	0.97	0.88)-	LCS L, ug/m3 LCS -	RPD 1	2/23/2018 3 12:00 PM
Methyl Isobutyl	Ketone	0.49	1,2	J- ug/m3LCS <sup>1</sup> L	LCS-RPD	2/23/2018 3:12:00 PM
Methyl tert-butyl	ether	< 0.54	0.54	)-LCS-Lug/m3	1	2/23/2018 3:12:00 PM
Methylene chlor	ide	$\approx$ 1.1	0.52	ug/m3	1	2/23/2018 3 12 00 PM
o-Xylene		0.78	0.65)-	LCS-RAIg/m3	1	2/23/2018 3 12 00 PM
Propylene		0.15	0.26	J ug/m3	1	2/23/2018 3 12:00 PM
Styrene		< 0.64	0.64	ug/m3	1	2/23/2018 3:12:00 PM
Tetrachloroethyl	ene	< 1.0	1.0	ug/m3	1	2/23/2018 3:12:00 PM
Tetrahydrofuran		< 0.44	0.440	J-LCS-Lug/m3	1	2/23/2018 3:12:00 PM
Toluene		4.3	0.57	ug/m3	1	2/23/2018 3:12:00 PM
trans-1,2-Dichlo	roethene	< 0.59	0.59	ug/m3	1	2/23/2018 3:12:00 PM
trans-1,3-Dichlo	ropropene	< 0.68	0.68	ug/m3	1	2/23/2018 3.12 00 PM
Trichloraethene		< 0,16	0.16	ug/m3	1	2/23/2018 3:12:00 PM
Vinyl acotate		< 0.53	0.53	ug/m3	1	2/23/2018 3:12:00 PM
Vinyl Bromide		< 0.66	0.66	ua/m3	1	2/23/2018 3:12:00 PM

0,10

ug/m3

< 0.10

Qualifiers:

Vinyl chloride

- \*\* Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- JN Non-routine analyte. Quantitation estimated,
- SI Spike Recovery outside accepted recovery limits
- Results reported are not blank corrected

1

2/23/2018 3:12:00 PM

- E Estimated Value above quantitation range
- J Analyte detected below quantitation limit
- ND Not Detected at the Limit of Detection
- Page 24 of 32

Date: 08-Mar-18

CLIENT:	AMEC Environment	& Infrastructu	ire, Inc.	(	Client Sample ID:	OU3-	135-1/101		
Lab Order:	C1802067		Tag Numb				r: 564 396		
Project:	Elk Street Buffalo - S	VI			<b>Collection Date:</b>	2/22/2	018		
Lab ID:	C1802067-013A				Matrix:	ΛIR			
Analyses	a na sana mana kama <b>n</b> a mangangan dalam da kama ang	Result	**Limit (	Qual	Units	DF	Date Analyzed		
FIELD PARAM	ETERS		FLI	D			Analyst:		
Lab Vacuum In		-2			"Hg		2/23/2018		
Lab Vacuum O	LIL III	-30			"Hg		2/23/2018		
1UG/M3 W/ 0.2	UG/M3 CT-TCE-VC-DCE	-1,1DCE	TO-	15	5.0		Analyst: RJP		
1,1,1-Trichloroe	ithane	< 0,15	0.15		ppbV	1	2/23/2018 3 52:00 PM		
1,1,2,2-Toirach	loroethano	< 0.15	0.15		ppbV	1	2/23/2018 3 52:00 PM		
1,1,2-Trichloroe	lhane	< 0.15	0.15		Vơqq	1	2/23/2018 3 52:00 PM		
1,1-Dichloroeth	ane	< 0,15	0.15	2	ppbV	1	2/23/2018 3 52 00 PM		
1.1-Dichloroeth	впе	< 0.040	0.040		Vdqq	1	2/23/2018 3 52 00 PM		
1,2,4-Trichtorob	enzene	< 0.15	0.15		Vdqq	1	2/23/2018 3 52 00 PM		
1,2,4-Trimethyll	enzene	0.12	0.15	L	Vdag	1	2/23/2018 3:52:00 PM		
1,2-Dibromoeth	ane	< 0.15	0.15		Vdqq	1	2/23/2018 3 52:00 PM		
1.2-Dichloroben	zene	< 0.15	0.15		Vdag	1	2/23/2018 3-52:00 PM		
1.2-Dichloroeth	але	< 0.15	0.15		pohV	1	2/23/2018 3:52:00 PM		
1.2-Dichloropro	pane	< 0.15	0.15		ppbV	1	2/23/2018 3-52-00 PM		
1.3.5-Trimethylk	Jeñzene	< 0.15	0.15		ppbV	1	2/23/2018 3 52:00 PM		
1.3-butadiene		< 0.15	0.15		nph\/	1	2/23/2018 3-52-00 PM		
1.3-Dichloroben	7808	< 0.15	0.10		ppov ppbV	1	2/23/2018 3:52:00 PM		
1.4-Dicblotoben	7010	< 0.15	0.15		ppbV	1	2/23/2018 3:52:00 PM		
1.4-Diovane	6070	< 0.10	0.30		orbV	1	2/23/2018 3:52:00 PM		
2.2.4.trimethyle	prima	< 0.50	0.50		ppov	1	2/23/2018 3-52-00 £14		
A sthulielueon	entone	< 0.15	0.15		ppbv	1	2/23/2010 3.52.00 PM		
Acetopo		< 0.10 a b	20		μρυν	10	2/23/2010 3 32 00 FW		
Abelone Allul ablasida		2.0	3.0			10	2/24/2010 3.50,00 FW		
Represe		\$ 0,15	0.10		hboa	1	2/20/2010 3:02 00 PN		
Denzene Oswawi abiostolo		0.29	0.15		ppov	1	2/23/2018 3.52 00 PW		
Benzy: chloride		< 0.15	0.15		ppov	1	2/23/2018 3:52:00 PM		
Bromodicnioron	leinane	< 0.15	0.15		vaqq	1	2/23/2018 3:52:00 PM		
Bromororm		< 0.15	0.15		ppov	1	2/23/2018 3:52:00 PM		
oromomethane		< 0.15	0.15		Vaqq	1	2/23/2016 3:52:00 PM		
Carbon disulfide	: .,	< 0.15	0,15		νααα	1	2/23/2018 3:52:00 PM		
Carbon letrachie	orioe	0.10	0.030		ppbV	1	2723/2018 3:52:00 PM		
Chlorobenzene		< 0.15	0.15		ppbV	1	2/23/2018 3 52 00 PM		
Chloroethane		< 0.15	0.15		ppbV	1	2/23/2018 3:52:00 PM		
Chloroform		< 0.15	0.15		ppbV	1	2/23/2018 3 52 00 PM		
Chioromethane		0.49	0.15		opbV	1	2/23/2018 3:52:00 PM		
cis-1,2-Dichloro	sthene	< 0.040	0.040		Vdqq	1	2/23/2018 3:52:00 PM		
cls-1,3-Dichloroj	propene	< 0.15	0.15		ppbV	1	2/23/2018 3:52.00 PM		
Cyclohexane		< 0.15	0,15		ppbV	1	2/23/2018 3 52:00 PM		
Dibromochlorom	leihane	< 0.15	0.15		ppbV	1	2/23/2018 3:52:00 PM		
Ethyl acetate		0.34	0.15		Vdao	1	2/23/2018 3 52:00 PM		

Qualifiers: \*\*

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

Quantitation Limit

Date: 08-Mar-18

CLIENT:	AMEC Environn	pent & Infrastructu	re, Inc.	C	lient Sample 1D	ample 1D: OU3-135-1A101 - Number: 564 396		
Lab Order:	C1802067				Tag Number			
Project:	Elk Street Buffal	o - SVI			Collection Date	: 2/22/2	2018	
Lab ID:	C1802067-013A				Matrix	: AIR		
Analyses		Result	**Limit	Qual	Units	DF	Date Analyzed	
1UG/M3 W/ 0.2	UG/M3 CT-TCE-VC	DCE-1,1DCE	то	-15			Analyst: RJP	
Ethylbenzene		0.10	0,15	J	ррб∨	1	2/23/2018 3.52 00 PM	
Freon 11		0.34	0.15		ррр∨	1	2/23/2018 3:52:00 PM	
Freon 113		< 0,15	0.15		ppbV	1	2/23/2018 3:52:00 PM	
Freon 114		< 0.15	0.15		ppbV	1	2/23/2018 3:52:00 PM	
Freon 12		0,60	0.15		ppbV	1	2/23/2018 3:52:00 PM	
Heptane		0,15	0,15		ppbV	1	2/23/2018 3:52:00 PM	
Hexachloro-1,3	-butadiene	< 0,15	0 15		ppbV	1	2/23/2018 3:52.00 PM	
Hexane		0.17	0.15		ppb∨	1	2/23/2018 3.52:00 PM	
Isopropyl alcoh	l	< 0,15	0.15		ppbV	1	2/23/2018 3:52:00 PM	
m&p-Xylene		0.35	0.30		ррб∨	1	2/23/2018 3:52:00 PM	
Methyl Butyl Ke	tone	< 0.30	0 30		ppbV	1	2/23/2018 3:52:00 PM	
Methyl Ethyl Ke	tone	0.53	0.30		ppbV	1	2/23/2018 3:52:00 PM	
Methyl Isobulyl	Ketone	0_11	0.30	J	ppbV	1	2/23/2018 3:52:00 PM	
Mothyl tert-buty	l ether	< 0.15	0.15		ppbV	1	2/23/2018 3 52:00 PM	
Methylene chlor	nde	0.37	0.15		ppbV	1	2/23/2018 3:52:00 PM	
o-Xylene		0.14	0.15	L	ppbV	1	2/23/2018 3:52:00 PM	
Propylene		0.10	0.15	Ĵ	ppbV	1	2/23/2018 3 52:00 PM	
Styrene		< 0.15	0.15		ppbV	1	2/23/2016 3 52:00 PM	
Tetrachloroethy	lene	< 0.15	0.15		ppbV	1	2/23/2018 3 52:00 PM	
Tetrahydrofuran		< 0.15	0.15		ppbV	1	2/23/2016 3 52:00 PM	
Toluene		1.0	0.15		ppbV	1	2/23/2018 3:52:00 PM	
trans-1,2-Dichlo	roethene	< 0.15	0.15		ppbV	1	2/23/2018 3 52:00 PM	
trans-1,3-Dichlo	ropropene	< 0.15	0.15		ppbV	1	2/23/2018 3 52:00 PM	
Trichloroethene		< 0.030	0,030		ppbV	1	2/23/2018 3 52:00 PM	
Vinyl acetate		< 0.15	0.15		ppbV	1	2/23/2018 3:52:00 PM	
Vinyl Bromide		< 0.15	0,15		ppbV	1	2/23/2018 3 52 00 PM	
Vinyl chloride		< 0.040	0.040		ppbV	1	2/23/2018 3:52:00 PM	
Surr: Bromofi	uorobenzene	99.0	70-130		%REC	1	2/23/2018 3:52:00 PM	

Qualitiers:	**	Quantitation Limit	
	В	Analyte detected in the associated Method Blank	E
	Ŀ	Holding times for preparation or analysis exceeded	1

- JN Non-routine mulyte, 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

Date: 08-Mar-18

	010050 CB						
Lab Order:	C1802067			nber: 5643	: 564 396		
Project:	Elk Street Buffalo - S	VI		Collection	Date: 2/22/2	2018	
Lab ID:	C1802067-013A			M	atrix: AIR		
Analyses		Result	**Limit	Qual Units	DF	Date Analyzed	
1UG/M3 W/ 0.2L	JG/M3 CT-TCE-VC-DCE	-1,1DCE	то	-15		Analyst: RJP	
1,1,1-Trichloroet	hane	< 0.82	0.82	ug/m3	1	2/23/2018 3 52,00 PM	
1,1,2,2-Tetrachic	prosthane	< 1.0	1.0	ug/m3	1	2/23/2018 3.52.00 PM	
1,1,2-Trichloroet	hane	< 0.82	0.82	ug/m3	1	2/23/2018 3 52:00 PM	
1,1-Dichloroetha	ne	< 0.61	0.61	ug/m3	1	2/23/2018 3 52:00 PM	
1,1-Dichloroethe	ne	< 0,16	0.16	ug/m3	1	2/23/2018 3:52:00 PM	
1,2,4-Trichlorobe	enzene	< 1.1	1,1(	J-LCS-Lug/m3	1	2/23/2018 3:52:00 PM	
1,2,4-Trimethylb	enzene	0.59	0.74	J - ug/m3լԸՏ-լ	LCS-RPD	2/23/2018 3:52:00 PM	
1,2-Dibromoetha	ne	< 1.2	1,2	ug/m3	1	2/23/2018 3 52:00 PM	
1,2-Dichlorobenz	ene	< 0.90	0.90	J-LCS-L ug/m3	1	2/23/2018 3 52:00 PM	
1,2-Dichloroetha	ne	< 0.61	0.61	ug/m3	1	2/23/2018 3:52:00 PM	
1.2-Dichloroprop	ane	< 0.69	0.69	ug/m3	1	2/23/2018 3:52.00 PM	
1,3,5-Trimethylbe	enzene	< 0.74	0.74	J-LCS-Lug/m3	1	2/23/2018 3 52:00 PM	
1.3-butadiene		< 0.33	0.33	ug/m3	1	2/23/2018 3 52:00 PM	
1 3-Dichlorobenz	ene	< 0.90	0.90	ug/m3	1	2/23/2018 3 52:00 PM	
1.4-Dichlorobenz	ene	< 0.90	0.90	ug/m3	1	2/23/2018 3 52 00 PM	
1.4-Dioxane		< 1.1	1.1U	LCS-L ug/m3	1	2/23/2018 3 52 00 PM	
2,2,4-trimethylpe	Alane	< 0.70	0.70	ug/m3	1	2/23/2018 3:52:00 PM	
4-ethyltoluene		< 0.74	0.74	1-LCS-Lug/m3	1	2/23/2018 3:52:00 PM	
Acetone		19	7.1	ug/m3	10	2/24/2018 5:58:00 PM	
Allyl chloride		< 0.47	0.47	ug/m3	1	2/23/2018 3:52:00 PM	
Benzene		0.93	0.48	ug/m3	1	2/23/2018 3:52:00 PM	
Bonzyl chloride		< 0.86	0.860	J-LCS-Lug/m3	1	2/23/2018 3:52:00 PM	
Bromodichlorome	thane	< 1.0	1.0	ug/m3	1	2/23/2018 3:52:00 PM	
Bromoform		< 1.6	1.6	ug/m3	1	2/23/2018 3:52:00 PM	
Bromomethane		< 0.58	0.58	ug/m3	1	2/23/2018 3:52:00 PM	
Carbon disulfide		< 0.47	0.47	ug/m3	1	2/23/2018 3:52:00 PM	
Carbon tetrachlor	ide	0.63	0.19	ug/m3	1	2/23/2018 3 52:00 PM	
Chlorobenzene		< 0.69	0.69	ug/m3	1	2/23/2018 3.52 00 PM	
Chloroethane		< 0.40	0.40	ug/m3	1	2/23/2018 3 52 00 PM	
Chloroform		< 0,73	0.73	ug/m3	1	2/23/2018 3 52.00 PM	
Chloromethane		1.0	0.31	ug/m3	1	2/23/2018 3.52:00 PM	
cis-1,2-Dichloroet	hene	< 0.16	0.16	ug/m3	1	2/23/2018 3:52:00 PM	
cis-1,3-Dichloropr	opene	< 0.68	0.68	ug/m3	1	2/23/2018 3:52:00 PM	
Cyclohexane		< 0.52	0.52	ug/m3	1	2/23/2018 3:52:00 PM	
Dibromachlaroma	thane	< 1.3	1.3	ug/m3	1	2/23/2018 3:52:00 PM	
Ethyl acetate		1.2	0.54]-	105-1.ug/m3105-1	RPD 1	2/23/2018 3 52 00 PM	
Ethylbenzene		0.43	0.65	J ug/m3	1	2/23/2018 3:52:00 PM	
Freon 11		1.9	0.84	ug/m3	1	2/23/2018 3:52:00 PM	
Freon 113		< 1.1	1.1	ug/m3	1	2/23/2018 3 52:00 PM	
Freon 114		< 1.0	1.0	ug/m3	1	2/23/2018 3 52.00 PM	

Н Holding times for preparation or analysis exceeded

JN Non-routine analyte. Quantitation estimated.

Ŝ Spike Recovery outside accepted recovery limits

Analyte detected below quantitation limit ļ, ND Not Detected at the Limit of Detection

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CLIENT:	AMEC Environment	& Infrastructu	re, Inc.	Client Sample	ID: OU3-1	35-IA101
Lab Order:	C1802067			Tag Numt	per: 564-39	)6
Project:	Elk Street Buffalo - S	VI		Collection Da	ate: 2/22/2	018
Lab ID:	C1802067-013A			Mat	rix: AIR	
e el ferminaria era		10 01 10 10 10 10 10 10 10 10 10 10 10 1			20102 0	2 2
Analyses		Result	**Limit	Qual Units	DF	Date Analyzed
1UG/M3 W/ 0.2	UG/M3 CT-TCE-VC-DCE	-1,1DCE	TO-	15		Analyst: RJP
Freon 12		3.0	0.74	ug/m3	1	2/23/2018 3:52:00 PM
Heptane		0.61	0.61	ug/m3	1	2/23/2018 3 52 00 PM
Hexachloro-1,3-	butadieno	< 1.6	1.603	-LC5-Lug/m3	1	2/23/2018 3 52 00 PM
Hexane		0.60	0.53	ug/m3	1	2/23/2018 3 52:00 PM
Isopropyl alcoho	ol	< 0.37	0.37	ug/m3	1	2/23/2018 3 52:00 PM
m&p-Xylene		1.5	1,3	ug/m3	1	2/23/2018 3 52 00 PM
Methyl Butyl Ke	lone	< 1.2	1.203	-LCS-lug/m3	1	2/23/2018 3:52:00 PM
Methyl Ethyl Ke	tone	1.6	0.68 ]~	LCS-LUg/m3LCS-RF	1 Q	2/23/2018 3 52:00 PM
Methyl Isobutyl	Ketone	0.45	1.2	J - ug/m3LCS-ER	CS- RPD	2/23/2018 3:52:00 PM
Methyl tert-buty	l ether	< 0.54	0.54	LCS-Lug/m3	1	2/23/2018 3 52:00 PM
Methylene chlor	de	1.3	0.52	ug/m3	1	2/23/2018 3 52 00 PM
o-Xylene		0 61	0.65	J ug/m3]-LC5 F	200 1	2/23/2018 3 52:00 PM
Propylene		0.17	0.26	J ug/m3	1	2/23/2018 3 52:00 PM
Styrene		< 0.64	0.64	ug/m3	1	2/23/2018 3 52 00 PM
Tetrachloroethy	lene	< 1.0	1.0	ug/m3	1	2/23/2018 3.52 00 PM
Tetrahydrofuran		< 0.44	0.4403	LCS-L ug/m3	1	2/23/2018 3:52:00 PM
Toluene		3.8	0.57	ug/m3	1	2/23/2018 3:52:00 PM
trans-1,2-Dichlo	roethene	< 0.59	0.59	ug/m3	1	2/23/2018 3:52:00 PM
trans-1,3-Dichlo	enegorgen	< 0.68	0.68	ug/m3	1	2/23/2018 3 52 00 PM
Trichloroethene		< 0.16	0.16	ug/m3	1	2/23/2018 3 52:00 PM
Vinyl acetate		< 0.53	0.53	ug/m3	1	2/23/2018 3 52:00 PM
Vinyl Bromide		< 0.66	0.66	ug/m3	1	2/23/2018 3:52:00 PM
Vinyl chloride		< 0.10	0.10	ug/m3	1	2/23/2018 3:52:00 PM

Qualifiers:

**\***A

- 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

Date: 08-Mar-18

CLIENT:	AMEC Environm	ent & Infrastructu	re, Inc.	С	lient Sample ID	: OU3-	135-IA102
Lab Order:	C1802067				Tag Number:	243.45	54
Project:	Elk Street Buffah	s - SVI			Collection Date	2/22/2	018
Lab (D)	C1802067-014A				Matrix	AIR	
	C1802007-014/1	ten verstersterend					
Analyses		Result	**Limit	Qual	Units	DF	Date Analyzed
FIELD PARAM	ETERS		FL	D			Analyst:
Lab Vacuum In		-2			"Hg		2/23/2018
Lab Vacuum Ou	ut	-30			"Hg		2/23/2018
1UG/M3 W/ 0.2	UG/M3 CT-TCE-VC-	DCE-1,1DCE	TO-	-15			Analyst: RJP
1,1,1-Trichloroe	thane	< 0.15	0.15		ppbV	1	2/23/2018 4:32:00 PM
1,1,2,2-Tetrachl	oroethane	< 0.15	0.15		ppbV	1	2/23/2018 4:32:00 PM
1,1,2-Trichlaroe	thane	< 0.15	0.15		pøbV	1	2/23/2018 4:32:00 PM
1,1-Dichloroetha	але	< 0.15	0.15		pobV	1	2/23/2018 4:32:00 PM
1.1-Dichloroothe	216	< 0.040	0,040		pobV	1	2/23/2018 4 32 00 PM
1,2,4-Trichlorob	enzeno	< 0.15	0,15		ppbV	1	2/23/2018 4:32:00 PM
1,2,4-Trimethylb	enzene	0.15	0.15		ppbV	1	2/23/2018 4 32 00 PM
1,2-Dibromoetha	ane	< 0.15	0.15		Vdqq	1	2/23/2018 4 32 00 PM
1,2-Dichloroben	zene	< 0.15	0 15		Vdog	1	2/23/2018 4 32 00 PM
1,2-Dichloroetha	пе	< 0.15	0.15		pobV	1	2/23/2018 4:32:00 PM
1,2-Dichloroprop	bane	< 0.15	0.15		bobV	1	2/23/2018 4 32 00 PM
1,3.5-Trimethylb	enzene	< 0.15	0.15		pobV	1	2/23/2018 4·32·00 PM
1,3-buladiene		< 0.15	0.15		onbV	1	2/23/2018 4:32 00 PM
1.3-Dichloroben	zene	< 0.15	0.15		pobV	1	2/23/2018 4:32:00 PM
1.4-Dichloroben:	zene	< 0.15	0.15		Vdqq	1	2/23/2018 4·32 D0 PM
1,4-Dioxane		< 0.30	0.30		opbV	1	2/23/2018 4:32:00 PM
2,2,4-trimethylpe	entane	0.18	0.15		opbV	1	2/23/2018 4:32:00 PM
4-ethyltoluene		< 0.15	0.15		ppbV	1	2/23/2018 4:32:00 PM
Acetone		10	3.0		pobV	30	2/24/2018 6:35:00 PM
Allyl chlaride		< 0.15	0.15		pobV	1	2/23/2018 4 32 00 PM
Benzene		0.32	0.15		nobV	1	2/23/2018 4:32:00 PM
Benzyl chloride		< 0.15	0 15		pobV	1	2/23/2018 4:32:00 PM
Bromodichlorom	ethane	< 0.15	0.15		pabV	1	2/23/2018 4:32:00 PM
Bromoform		< 0.15	0.15		nnbV	1	2/23/2018 4 32:00 PM
Bromomethane		< 0.15	0.15		ppbV	1	2/23/2018 4 32 00 PM
Carbon disulfide		< 0.15	0.15		ppbV	1	2/23/2018 4 32 00 PM
Carbon tetrachio	ride	< 0.030	0.030		nobV	1	2/23/2018 4-32 00 PM
Chlorobenzene		< 0.15	0 15		pobV	1	2/23/2018 4:32:00 PM
Chlorosthane		< 0.15	0.15		nphV	1	2/23/2018 4 32:00 PM
Chloroform		< 0.15	0.15		anhV	1	2/23/2018 4:32:00 PM
Chloromethane		0.57	0.15		npbV	1	2/23/2018 4:32 00 PM
cis-1.2-Dichloroe	thene	< 0.040	0.040		nobV	1	2/23/2018 4:32:00 PM
cis-1.3-Dichloron	ronene	< 0.15	0.040		nobV	1	2/23/2018 4-32 An DM
Cyclohexane		2 () 1 () 2 () 1 ()	0.15		nnhV	1	2/23/2018 4-32-00 DM
Dibtomochlarom	elbane	~ 0.15	0.15		PP0 V	4	2/22/2018 4:32:00 PM
Ethyl acotato	onario.	0,10	0,10		ppov nobV	4	2/23/2018 A-12-00 DIA
City, acutate		V.2V	0.15		hhha	P	212912010 4.32.00 PM

Qualifiers:

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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

Quantitation Limit

Date: 08-Mar-18

CLIENT:	AMEC Environm	re, Inc.	CI	ient Sample ID:	OU3-135-IA102		
Lab Order:	C1802067				Tag Number:	243-4	54
Project:	Elk Street Buffal	o - SVI		C	<b>Collection Date:</b>	2/22/2	2018
Unb ID:	C1802067-014A				Matrix:	AIR	
Analyses		Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2	UG/M3 CT-TCE-VC	DCE-1,1DCE	то	-15			Analyst: RJP
Ethylbenzene		0.18	0.15		ррьV	1	2/23/2018 4.32:00 PM
Freon 11		0.45	0.15		ppbV	1	2/23/2018 4:32:00 PM
Freon 113		< 0.15	0.15	1	ppbV	1	2/23/2018 4:32,00 PM
Freon 114		< 0.15	0.15	1	ppbV	1	2/23/2018 4:32:00 PM
Freon 12		0,57	0.15	1	ррbV	1	2/23/2018 4:32:00 PM
Heptane		0.15	0.15	1	ppbV	1	2/23/2018 4:32:00 PM
Hexachloro-1,3-	butadiene	< 0.15	0.15		ppbV	1	2/23/2018 4:32:00 PM
Hexane		0.21	0.15	· .	ppbV	1	2/23/2018 4:32:00 PM
Isopropyl alcohe	l i	4.2	1.5	1	ppbV	10	2/24/2018 6:35 00 PM
m&p-Xylene		0.67	0.30	i	Vdqq	1	2/23/2018 4:32 00 PM
Methyl Butyl Ke	tone	< 0.30	0.30	1	ppbV	1	2/23/2018 4:32:00 PM
Methyl Ethyl Ke	tone	0.50	0.30	1	ppbV	1	2/23/2018 4 32:00 PM
Methyl Isobutyl	Ketone	< 0.30	0.30	1	ppbV	1	2/23/2018 4.32:00 PM
Methyl tert-butyl	ether	< 0.15	0.15	1	opbV	1	2/23/2018 4:32:00 PM
Methylene chlor	ide	0.21	0.15	1	opbV	1	2/23/2018 4:32:00 PM
o-Xylene		0 26	0.15	, I	opbV	1	2/23/2018 4:32:00 PM
Propylene		0.090	0.15	J	opbV	1	2/23/2018 4:32.00 PM
Styrene		< 0.15	0.15	l. I	opbV	1	2/23/2018 4:32:00 PM
Tetrachloroethyl	ene	< 0.15	0.15		opbV	1	2/23/2018 4:32:00 PM
Tetrahydrofuran		< 0.15	0.15		opbV	1	2/23/2018 4·32:00 PM
Toluene		1.6	0.15	ł	opbV	1	2/23/2018 4:32:00 PM
trans-1,2-Dichlo	roethene	< 0,15	0.15	F	opbV	1	2/23/2018 4:32:00 PM
Irans-1,3-Dichlo	ropropene	< 0,15	0.15	ŗ	opbV	1	2/23/2018 4:32:00 PM
Trichloroethene		< 0.030	0.030	F	Vdqc	1	2/23/2018 4.32.00 PM
Vinyl acetate		< 0.15	0.15	F	Vdqc	1	2/23/2018 4:32:00 PM
Vinyl Bromide		< 0.15	0.15	F	Vaqo	1	2/23/2018 4:32.00 PM
Vinyl chloride		< 0,040	0.040	F	opbV	1	2/23/2018 4:32:00 PM
Surr: Bromofi	vorobenzene	112	70-130	c	%REC	1	2/23/2018 4:32:00 PM

#### Qualifiers:

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Quantitation Limit

B Analyte detected in the associated Method Blank

41 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

Date: 08-Mar-18

CLIENT:	AMEC Environme	ent & Infrastructure	e, Inc.	C	lient Sa	mple ID:	OU3	-135-1A102
Lab Order:	C1802067				Tag	Number:	243 4	154
Project:	Elk Street Buffalo	- SVI			Collect	ion Date:	2/22/	2018
Lab ID:	C1802067-014A					Matrix:	AIR	
Analyses	and an article of the Andrew States	Result	**Limit	Qual	Units		DF	Date Analyzed
1UG/M3 W/	0.2UG/M3 CT-TCE-VC-0	DCE-1,1DCE	TO	-15				Analyst: RJP
1,1,1-Trichle	proethane	< 0.62	0,82		ug/m3		1	2/23/2018 4:32.00 PM
1,1,2,2-Tetra	achloroethane	< 1.0	1_0		ug/m3		1	2/23/2018 4:32:00 PM
1,1,2-Trichlo	roethane	< 0.82	0.62		ug/m3		1	2/23/2018 4:32:00 PM
1,1-Dichloro	ethane	< 0.61	0,61		ug/m3		1	2/23/2018 4 32 00 PM
1,1-Dichloro	ethène	< 0.16	0,16		ug/m3		1	2/23/2018 4:32:00 PM
1,2,4-Trichlo	robenzena	< 1,1	1,19	1-LCS-L	- ug/m3		1	2/23/2018 4:32:00 PM
1,2,4-Trimel	hylbenzene	0.74	0.74)	LCS-L	ւ <b>սց/m3</b> է	CS RPD	1	2/23/2018 4 32:00 PM
1,2-Dibromo	ethane	< 1.2	1.2		ug/m3		1	2/23/2018 4:32:00 PM
1,2-Dichloro	benzene	< 0.90	0.90	13-LC5-	tug/m3		1	2/23/2018 4:32:00 PM
1,2-Dichloro	olhano	< 0.61	0,61		ug/m3		1	2/23/2018 4:32:00 PM
1.2-Dichloro	propane	< 0.69	0.69		ug/m3		1	2/23/2018 4:32.00 PM
1,3 5-Trimet	hylbenzene	< 0.74	0.74	J-LCS-L	Cm/gu		1	2/23/2018 4:32:00 PM
1,3-butadien	e	< 0.33	0.33		ug/m3		1	2/23/2018 4:32:00 PM
1.3-Dichlorol	benzene	< 0.90	0.90		ug/m3		1	2/23/2018 4:32:00 PM
1,4-Dichlorol	benzene	< 0.90	0.90		ug/m3		1	2/23/2018 4:32:00 PM
1,4-Dioxane		< 1.1	1.10	S-LCS-L	_ ug/m3		1	2/23/2018 4:32:00 PM
2.2.4-trimeth	ylpentane	0.84	0.70		ug/m3		1	2/23/2018 4:32:00 PM
4-othyltoluen	e	< 0.74	0.74	1-105-6	ug/m3		1	2/23/2018 4:32:00 PM
Acetone		24	7.1		ug/m3		10	2/24/2018 6 35:00 PM
Allyl chloride		< 0_47	0.47		ug/m3		1	2/23/2018 4:32:00 PM
Benzene		1.0	0.48		ug/m3		1	2/23/2018 4:32:00 PM
Benzyl chlori	de	< 0.86	0.86	J-LCS-L	_ug/m3		1	2/23/2018 4:32:00 PM
Bromodichlo	romethane	< 1.0	1.0		ug/m3		1	2/23/2018 4:32:00 PM
Bromoform		< 1.6	1.6		ug/m3		1	2/23/2018 4:32:00 PM
Bromometha	ine	< 0.58	0.58		ug/m3		1	2/23/2018 4:32:00 PM
Carbon disul	fide	< 0.47	0.47		ug/m3		1	2/23/2018 4:32:00 PM
Carbon tetra	chloride	< 0.19	0.19		ug/m3		1	2/23/2018 4:32:00 PM
Chlorobenze	ne	< 0.69	0.69		ug/m3		1	2/23/2018 4:32:00 PM
Chloroethane	3	< 0.40	0.40		ug/m3		1	2/23/2018 4:32:00 PM
Chloroform		< 0.73	0.73	25	ug/m3		1	2/23/2018 4:32:00 PM
Chlorometha	ne	1.2	0.31		ug/m3		1	2/23/2018 4:32:00 PM
cis-1,2-Dichle	proethene	< 0.16	0,16		ug/m3		1	2/23/2018 4:32:00 PM
cis-1,3-Dichle	propropene	< 0.68	0.68		ug/m3		1	2/23/2018 4:32:00 PM
Cyclohexane		< 0.52	0.52		ug/m3		1	2/23/2018 4:32 00 PM
Dibramachla	romethane	< 1.3	1.3		ug/m3		1	2/23/2018 4:32:00 PM
Ethyl acetate		0.72	0.54J	LCS-L	ug/m3 🕻	CS-RPD	1	2/23/2018 4:32:00 PM
Ethylbenzene	3	0.78	0.65		ug/m3		1	2/23/2018 4 32:00 PM
Freon 11		2.5	0.84		ug/m3		1	2/23/2018 4 32 00 PM
Freon 113		< 1.1	1,1		ug/m3		1	2/23/2016 4:32:00 PM
Freon 114		< 1.0	1.0		ug/m3		1	2/23/2018 4.32:00 PM
Onalifiers	** Orantitation Limit			0.04	Rect	Hs reported	no nat l	blank corrected
Abutteryt	- R Analyte detected in the	associated Mothod BU	ank		F Fein	nated Value	abave	mantilation runge
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	IN Non-mutine erabets 2	ormitation anarysis exce function activisted	y = 13 ~ L1	k	a zunan 315 Klast	Datasted at i	neiuw t ha Einsi	reaction
	S Spike Recovery outsid	c accented recovery lin	nits	r	the real		in Linu	Page 27 of :
	<ul> <li>opine recorrect untalu</li> </ul>	e neespissi issuutelly IIII						

Page 27 of 32

Date: 08-Mar-18

Center Da	iooratories, coc						
CLIENT:	AMEC Environment & I	nfrastructu	ire, Inc.	С	lient Sample ID:	003-1	135-1A102
Lab Order:	C1802067				Tag Number:	243 45	54
Project:	Elk Street Buffalo - SVI				<b>Collection Date:</b>	2/22/2	018
Lab ID:	C1802067-014A				Matrix:	AIR	
Analyses		Result	**Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.2	UG/M3 CT-TCE-VC-DCE-1,	1DCE	TO	-15			Analyst: RJP
Freon 12		2.8	0.74		ug/m3	1	2/23/2018 4 32:00 PM
Heptane		0.61	0.61		ug/m3	1	2/23/2018 4.32:00 PM
Hexachloro-1,3	-butadiene	< 1.6	1.60	SLCS-L	ug/m3	1	2/23/2018 4:32:00 PM
Hexane		0.74	0.53		ug/m3	1	2/23/2018 4:32:00 PM
Isopropyl alcoh	ol	10	3.7		ug/m3	10	2/24/2018 6:35:00 PM
m&p-Xylene		2,9	1.3		ug/m3	1	2/23/2018 4.32:00 PM
Methyl Butyl Ke	lone	< 1.2	1.20	1-1CS-1	_ug/m3	1	2/23/2018 4:32:00 PM
Methyl Ethyl Ke	etone	1.5	0.88.)	-LC5-L	ug/m3LCS-RPD	1	2/23/2018 4:32:00 PM
Methyl Isobutyl	Ketone	< 1.2	1.2	11-LESI	Lug/m3	1	2/23/2018 4:32:00 PM
Methyl tert-buty	l ether	< 0,54	0.540	J-LCS-L	ug/m3	1	2/23/2018 4:32:00 PM
Methylene chlo	ride	0.73	0.52		ug/m3	1	2/23/2018 4:32:00 PM
o-Xylene		1,1	0.65}-	LCS-RPC	)ug/m3	1	2/23/2018 4:32:00 PM
Propylene		0.15	0.26	J	ug/m3	1	2/23/2018 4:32:00 PM
Styrene		< 0.64	0.64		ug/m3	1	2/23/2018 4:32:00 PM
Tetrachloroethy	lene	< 1.0	1.0		ug/m3	1	2/23/2018 4:32:00 PM
Tetrahydrofurar	3	< 0.44	0.440	J-LCS L	ug/m3	1	2/23/2018 4 32:00 PM
Toluene		6.1	0.57		ug/m3	1	2/23/2018 4:32:00 PM
trans-1,2-Dichic	proethene	< 0.5 <del>9</del>	0.59		ug/m3	1	2/23/2018 4 32:00 PM
trans-1,3-Dichio	propropene	< 0.68	0.68		ug/m3	1	2/23/2018 4 32 00 PM
Trichloroethene	!	< 0.16	0.16		ug/m3	1	2/23/2018 4:32:00 PM
Vinyl acetate		< 0.53	0.53		ug/m3	1	2/23/2018 4:32:00 PM
Vinyl Bromide		< 0.66	0.66		սց/m3	1	2/23/2018 4:32:00 PM
Vinvi chloride		< 0.10	0.10		ua/m3	1	2/23/2018 4:32:00 PM

- Quantitation Limit
   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

Qualifiers:

Date: 08-Mar-18

Lab Order:         C1802067         Tag Number:         195 440           Project:         Elk Street Buffalo - SVI         Collection Date:         2222018           Lab ID:         C1802067-015A         Matrix:         All           Analyses         Result         **Limit Qual         Uoits         DF         Date Analyset           FIELD PARAMETERS         FLD         Analyset         Lab Vacuum in         -4         'Hg         2232018           Lab Vacuum in         -4         'Hg         2232018         Str.0         PM           1.1.1-Trichtoroethane         <0.15         0.15         ppbV         1         2232018 512.00 PM           1.1.2-Trichtoroethane         <0.15         0.15         ppbV         1         2232018 512.00 PM           1.1.2-Trichtoroethane         <0.15         0.15         ppbV         1         2232018 512.00 PM           1.2-Dichtoroethane         <0.15         0.15         ppbV         1         2232018 512.00 PM           1.2-Dichtoroethane         <0.15         0.15         ppbV         1         2232018 512.00 PM           1.2-Dichtoroethane         <0.15         0.15         ppbV         1         2232018 512.00 PM           1.2-Dichtoroethane <td< th=""><th colspan="4">CLIENT: AMEC Environment &amp; Infrastructure, Inc.</th><th>(</th><th>Client Sample ID;</th><th>OU3-1</th><th colspan="3">OU3-135-1A103</th></td<>	CLIENT: AMEC Environment & Infrastructure, Inc.				(	Client Sample ID;	OU3-1	OU3-135-1A103		
Project:         Elk Street Buffalo - SVI         Collection Date:         2/22/2018           Lub ID:         C1802067-015A         Matrix:         AIR           Analyses         Result         **Limit Qual Units         DF         Date Analyset           Lab Vacuum In         -4         "Hg         2/23/2018         Lab Vacuum Out         -30         "Hg         2/23/2018           UGM3 W0 .2UG/M3 CT-TCE-VC-DCE-1,1DCE         TO-15         Analyset         RJP         1         2/23/2018 51/200 PM           1,1.2-Trefinchloroethane         < 0.15         0.15         ppbV         1         2/23/2018 51/200 PM           1,1.2-Trefinchloroethane         < 0.15         0.15         ppbV         1         2/23/2018 51/200 PM           1,1.2-Trefinchloroethane         < 0.15         0.15         ppbV         1         2/23/2018 51/200 PM           1,2-Drinoroethane         < 0.15         0.15         ppbV         1         2/23/2018 51/200 PM           1,2-Drinoroethane         < 0.15         0.15         ppbV         1         2/23/2018 51/200 PM           1,2-Drinoroethane         < 0.15         0.15         ppV         1         2/23/2018 51/200 PM           1,2-Drinoroethane         < 0.15         0.15         ppV	Lab Order:	C1802067				Tae Number:	195 440			
Indict:         Disorder Duffant 9 (1)         Disorder Duffant 9 (1)           Analyses         Result         **Limit Qual Units         DF         Date Analyzed           Analyses         Result         **Limit Qual Units         DF         Date Analyzed           FIELD PARAMETERS         FLD         Analysi:         Lab Vacuum In         -4         "Hg         2232018           Lab Vacuum Out         -30         "Hg         2232018         51200 PM           1.1.3.Trichoroethane         <0.15         0.15         ppbV         1         2232018           1.2.2-Trichoroethane         <0.15         0.15         ppbV         1         2232018         51200 PM           1.1.2-Trichoroethane         <0.15         0.15         ppbV         1         2232018         51200 PM           1.2-ATrichoroethane         <0.15         0.15         ppbV         1         2232018         51200 PM           1.2-ATrichoroethane         <0.15         0.15         ppbV         1         2232018         51200 PM           1.2-ATrichoroethane         <0.15         0.15         ppbV         1         2232018         51200 PM           1.2-Dichoroethane         <0.15         0.15         ppbV         1	Project	Filk Street Buffalo - SV	1			Collection Date:	212212	018		
Lab TD:         C1802067403A         MiRTH: All           Analyses         Result         **Limit Qual Units         DF         Date Analysed           FIELD PARAMETERS         FLD         Analyse:         223/2018           Lab Vacuum Out         -30         ''Hg         223/2018           1.1.2.7-Track-Ioroethane         < 0.15         0.15         ppbV         1         223/2018 512.00 PM           1.1.2.7-Track-Ioroethane         < 0.15         0.15         ppbV         1         223/2018 512.00 PM           1.1.2.7-Track-Ioroethane         < 0.15         0.15         ppbV         1         223/2018 512.00 PM           1.1.2.7-Track-Ioroethane         < 0.15         0.15         ppbV         1         223/2018 512.00 PM           1.2.4-TrackIoroethane         < 0.15         0.15         ppbV         1         223/2018 512.00 PM           1.2.4-TrackIoroethane         < 0.16         0.15         ppbV         1         223/2018 512.00 PM           1.2.4-TrackIoroethane         < 0.15         0.15         ppbV         1         223/2018 512.00 PM           1.2.4-TrackIoroethane         < 0.15         0.15         ppbV         1         223/2018 512.00 PM           1.2.2-Dichoroethane         < 0.15 <t< th=""><th>1.1.15</th><th>CIR SUCCE DUITARS * 3 V</th><th>1</th><th></th><th></th><th>Autolog</th><th></th><th></th></t<>	1.1.15	CIR SUCCE DUITARS * 3 V	1			Autolog				
Analyses         Result         **Limit Qual Units         DF         Date Analyzed           FIELD PARAMETERS         FLD         Analyst:         C2332016           Lab Vacuum In         -4         "Hg         22372018           Lab Vacuum Out         -30         "Hg         22372018           UGIM3 W 0.2LIGIM3 CT-TCE-VC-DCE-1,1DCE         TO-15         Analyst: RJP           1.1.2-Trichloroethane         < 0.15         0.15         ppbV         1         2232018 512 00 PM           1.1.2-Trichloroethane         < 0.15         0.15         ppbV         1         2232018 512 00 PM           1.1.2-Trichloroethane         < 0.15         0.15         ppbV         1         2232018 512 00 PM           1.2-Dichloroethane         < 0.15         0.15         ppbV         1         2232018 512 00 PM           1.2-ATrichloroethane         < 0.16         0.15         ppbV         1         2232018 512 00 PM           1.2-Dichloroethane         < 0.15         0.15         ppbV         1         2232018 512 00 PM           1.2-Dichloroethane         < 0.15         0.15         ppbV         1         2232018 512 00 PM           1.2-Dichloroethane         < 0.15         0.15         ppbV         1         2232	Lab ID:	C1802067-015A				WINIFIX:	ЛК			
FIELD PARAMETERS         FLD         Analyst:           Lob Vacuum In         -4         ''Hg         223/2018           Lab Vacuum Out         -30         ''Hg         223/2018           UG/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         223/2018 512.00 PM           1.1.2-Trichloroethane         <0.15         0.15         ppbV         1         223/2018 512.00 PM           1.1.2-Trichloroethane         <0.15         0.15         ppbV         1         223/2018 512.00 PM           1.1-Dichloroethane         <0.040         0.040         ppbV         1         223/2018 512.00 PM           1.2-A-Trichloroethane         <0.15         0.15         ppbV         1         223/2018 512.00 PM           1.2-A-Trichlorobenzene         <0.15         0.15         ppbV         1         223/2018 512.00 PM           1.2-Dichloroethane         <0.15         0.15         ppbV         1         223/2018 512.00 PM           1.2-Dichloroethane         <0.15         0.15         ppbV         1         223/2018 512.00 PM           1.2-Dichloroptane         <0.15         0.15         ppbV         1         223	Analyses		Result	**Limit	Qual	Units	DF	Date Analyzed		
Lab Vacuum In         -4         ''Hg         223/2018           Lab Vacuum Out         -30         '''Hg         223/2018           1UG/M3 WI 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE         TO-15         Analysi: RJP           1.1,1-Trichioroethane         < 0.15	FIELD PARAM	ETERS		FL	.D			Analyst:		
Lab Vacuum Cut         -30         "Hg         223/2018           110G/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE         TO-15         Analyst: RJP           1.1,1-Trichloresthane         < 0.15	Lab Vacuum In		-4			"Hg		2/23/2018		
1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE         TO-15         Analyst: RJP           1,1,1-Trichloreethane         < 0.15	Lab Vacuum Ou	ıt	-30			"Hg		2/23/2018		
1,1.2.Trichloroethane         < 0.15	1UG/M3 W/ 0.2	UG/M3 CT-TCE-VC-DCE-1	,1DCE	TO	-15			Analyst: RJP		
1,1,2-Trichloroethane         < 0.15	1,1,1-Trichloroe	thane	< 0.15	0.15		ppbV	1	2/23/2018 5:12:00 PM		
1.1.2-Trichloroethane       < 0.15	1,1,2,2-Tetrachl	oroethane	< 0.15	0,15		рръV	1	2/23/2018 5-12:00 PM		
1.1-Dichloroethane         < 0.15	1,1,2-Trichloroel	lhane	< 0.15	0.15		ppbV	1	2/23/2018 5 12:00 PM		
1.1-Dickhorosthene       < 0.040	1,1-Dichloroetha	ine	< 0.15	0,15		ppbV	1	2/23/2018 5:12:00 PM		
1.2.4-Trichlorobenzene       < 0.15	1,1-Dichloroethe	ine	< 0.040	0.040		ppbV	1	2/23/2018 5:12:00 PM		
1.2.4-Trimethybenzene       0.15       0.15       ppbV       1       2/23/2018 5 12 00 PM         1.2-Dichbromethana       < 0.15	1,2,4-Trichlorob	cnzene	< 0.15	0.15		ppbV	1	2/23/2018 5:12:00 PM		
1.2-Dibromoethane       < 0.15	1,2,4-Trimethylb	enzene	0.15	0.15		ppbV	1	2/23/2018 5:12:00 PM		
1.2-Oichlorobenzene       < 0.15	1,2-Dibromoetha	ene S	< 0.15	0.15		ppbV	1	2/23/2018 5:12:00 PM		
1.2-Dichloroethane         < 0.15	1,2-Oichloroben:	zene	< 0.15	0.15		ρρύν	1	2/23/2018 5:12:00 PM		
1,2-Dichloropropane       < 0.15	1,2-Dichloroetha	ne	< 0.15	0.15		ppbV	1	2/23/2018 5 12 00 PM		
1.3.5-Trimelhylbenzene         < 0.15	1,2-Dichloroprop	bane	< 0.15	0.15		ρρbV	1	2/23/2018 5 12:00 PM		
1.3-butadiene         < 0.15         0.15         ppbV         1         2/23/2018 5:12:00 PM           1,3-Dichlorobenzene         < 0.15	1,3,5-Trimelhylb	enzene	< 0,15	0.15		ppbV	1	2/23/2018 5 12 00 PM		
1,3-Dichlorobenzene       < 0.15	1,3-butadiene		< 0.15	0.15		ppbV	1	2/23/2018 5 12:00 PM		
1.4-Dichlorobenzene       < 0.15	1,3-Dichloroben:	zene	< 0,15	0.15		ppbV	1	2/23/2018 5:12:00 PM		
1,4-Dioxane       < 0.30	1,4-Dichloroben:	zene	< 0.15	0.15		ppbV	1	2/23/2018 5.12:00 PM		
2,2,4-trimethylpentane         0.12         0.15         J         ppbV         1         2/23/2018 5:12:00 PM           4-ethyltoluene         < 0.15	1,4-Dioxane		< 0.30	0.30		ppbV	1	2/23/2018 5:12:00 PM		
4-ethyltoluene         < 0.15         0.15         ppbV         1         2/23/2018 5:12:00 PM           Acetona         11         3.0         ppbV         10         2/24/2018 7:12:00 PM           Atiyl chloride         < 0.15	2,2,4-trimethylpe	entane	0,12	0.15	J	ppbV	1	2/23/2018 5:12:00 PM		
Acetone         11         3.0         ppbV         10         2/24/2018 7.12:00 PM           Allyl chloride         < 0.15	4-ethyltoluene		< 0.15	0.15		ppbV	1	2/23/2018 5:12:00 PM		
Allyl chloride         < 0.15         0.15         ppbV         1         2/23/2018 5:12:00 PM           Benzene         0.27         0.15         ppbV         1         2/23/2018 5:12:00 PM           Benzyl chloride         < 0.15	Acetone		11	3.0		рръV	10	2/24/2018 7:12:00 PM		
Benzene         0.27         0.15         ppbV         1         2/23/2018 5:12:00 PM           Benzyl chloride         < 0.15	Ally! chloride		< 0.15	0.15		ppbV	1	2/23/2018 5:12:00 PM		
Benzyl chloride         < 0.15         0.15         ppbV         1         2/23/2018 5:12:00 PM           Bromodichloromethane         < 0.15	Benzene		0.27	0.15		ppbV	1	2/23/2018 5:12:00 PM		
Bromodichloromethane         < 0.15         0.15         ppbV         1         2/23/2018 5:12:00 PM           Bromoform         < 0.15	Benzyl chloride		< 0.15	0.15		ppbV	1	2/23/2018 5:12:00 PM		
Bromoform         < 0.15         0.15         ppbV         1         2/23/2018 5:12:00 PM           Bromomethana         < 0.15	Bromodichiorom	elhane	< 0.15	0,15		ppbV	1	2/23/2018 5:12.00 PM		
Bromomethane         < 0.15         0.15         ppbV         1         2/23/2018 5 12:00 PM           Carbon disulfide         < 0.15	Bromoform		< 0.15	0.15		ppbV	1	2/23/2018 5:12:00 PM		
Carbon disulfide         < 0.15         0.15         ppbV         1         2/23/2018 5:12:00 PM           Carbon tetrachloride         < 0.030	Bromomethane		< 0.15	0.15		ppbV	1	2/23/2018 5 12:00 PM		
Carbon tetrachloride         < 0.030         0.030         ppbV         1         2/23/2018 5:12:00 PM           Chlorobenzene         < 0.15	Carbon disulfide		< 0.15	0.15		Vdqq	1	2/23/2018 5:12:00 PM		
Chlorobenzene         < 0.15         0.15         ppbV         1         2/23/2018 5.12:00 PM           Chloroethane         < 0.15	Carbon tetrachio	ride	< 0.030	0.030		pabV	1	2/23/2018 5:12:00 PM		
Chloroethane         < 0.15         0.15         ppbV         1         2/23/2018 5 12:00 PM           Chloroform         < 0.15	Chlorobenzene		< 0.15	0.15		ppbV	1	2/23/2018 5,12:00 PM		
Chioroform         < 0.15         0 15         ppbV         1         2/23/2018 5: 12:00 PM           Chioromethane         0.47         0.15         ppbV         1         2/23/2018 5: 12:00 PM           cis-1,2-Dichloroethene         < 0.040	Chloroethane		< 0.15	0.15		ppbV	1	2/23/2018 5 12:00 PM		
Chloromethane         0.47         0.15         ppbV         1         2/23/2018 5:12:00 PM           cis-1.2-Dichloroethene         < 0.040	Chloroform		< 0.15	0 15		ppbV	1	2/23/2018 5:12:00 PM		
cis-1,2-Dichloroethene         < 0.040         0.040         ppbV         1         2/23/2018 5:12:00 PM           cis-1,3-Dichloropropane         < 0.15	Chloromethane		0.47	0.15		ppbV	1	2/23/2018 5:12:00 PM		
cis-1,3-Dichloropropane         < 0.15         0.15         ppbV         1         2/23/2018 5:12:00 PM           Cyclohexane         < 0.15	cis-1,2-Dichloroe	thene	< 0.040	0.040		ppbV	1	2/23/2018 5:12:00 PM		
Cyclohexane         < 0.15         0.15         ppbV         1         2/23/2018 5:12:00 PM           Dibromochloromethane         < 0.15	cis-1,3-Dichlorop	ropana	< 0.15	0.15		ppbV	1	2/23/2018 5:12:00 PM		
Dibromochloromethane         < 0.15         0.15         ppbV         1         2/23/2018 5:12:00 PM           Ethyl acetate         0.32         0.15         ppbV         1         2/23/2018 5:12:00 PM	Cyclohexane		< 0.15	0.15		ppbV	1	2/23/2018 5:12:00 PM		
Ethyl acetate 0.32 0.15 ppbV 1 2/23/2018 5:12:00 PM	Dibromochlorom	ethane	< 0.15	0.15		Vdqq	1	2/23/2018 5:12:00 PM		
	Ethyl acetate		0.32	0.15		ррьУ	1	2/23/2018 5:12:00 PM		

Qualifiers:

#### \*\* Quantitation Limit

B Analyte detected in the associated Method Blank

If 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

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E Estimated Value above quantitation range

J Analyte detected below quantitation limit

S

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Date: 08-Mar-18

CLIENT:	AMEC Environment & Infrastructu	re, Inc. (	<b>Client Sample 1D:</b>	OU3-135-1/	103
Lab Order:	C1802067		Tag Number:	195 440	
Project:	Elk Street Buffalo - SVI		<b>Collection Date:</b>	2/22/2018	
Lub ID:	C1802067-015A		Matrix:	AIR	
Analyses	Result	**Limit Qua	l Units	DF D	ate Analyzed

1UG/M3 W/ 0,2UG/M3 CT-TCE-	VC-DCE-1,1DCE	TO-1	15			Analyst: RJP
Ethylbenzene	0.15	0.15		ppbV	1	2/23/2018 5:12:00 PM
Freon 11	0.67	0.15		ppbV	1	2/23/2018 5.12:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/23/2018 5.12.00 PM
Freon 114	< 0.15	0.15		ppbV 👘	1	2/23/2018 5 12:00 PM
Freen 12	0.68	0.15		ppbV	1	2/23/2018 5 12:00 PM
Heptane	< 0.15	0.15		ppbV	1	2/23/2018 5 12:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/23/2018 5 12:00 PM
Hexane	0,25	0.15		ppbV	1	2/23/2018 5:12:00 PM
(sopropy) alcohol	2.0	0.15		ppbV	1	2/23/2018 5 12:00 PM
m&p-Xylone	0.60	0.30		ppbV	1	2/23/2018 5 12:00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	2/23/2018 5:12:00 PM
Methyl Ethyl Ketone	0.67	0.30		ppbV	1	2/23/2018 5 12:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	2/23/2018 5:12:00 PM
Methyl tert-butyl other	< 0:15	0.15		ppbV	1	2/23/2018 5:12:00 PM
Methylene chloride	0.29	0.15		ppbV	1	2/23/2018 5:12:00 PM
o-Xylene	0.22	0.15		ppbV	1	2/23/2018 5:12:00 PM
Propytene	0.080	0.15	J	ρρbV	1	2/23/2018 5 12:00 PM
Styrene	0.12	0.15	L	ppbV	1	2/23/2018 5:12:00 PM
Tetrachloroethylene	< 0.15	0.15		ppbV	1	2/23/2018 5 12 00 PM
Tetrahydrofuran	< 0.15	0.15		ppbV	1	2/23/2018 5:12:00 PM
Toluene	1.8	0.15		ppbV	1	2/23/2018 5:12:00 PM
trans-1,2-Dichloroethene	< 0.15	0,15		ppbV	1	2/23/2018 5 12:00 PM
trans-1,3-Dichloropropene	< 0.15	0.1 <del>5</del>		ppbV	1	2/23/2018 5 12:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	2/23/2018 5:12:00 PM
Vinyl acetate	< 0.15	0 15		ppbV	1	2/23/2018 5 12:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/23/2018 5 12 00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	2/23/2018 5 12:00 PM
Surr: Bromofluorobenzene	103	70-130		%REC	1	2/23/2018 5 12:00 PM

THE REPORT OF TH			C. F. C.	
Qualifiers:	4.4	Quantitation Limit		Results reported are not blank corrected
	n	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

Spike Recovery outside accepted recovery limits

Date: 08-Mar-18

CLIENT: Lab Order:	AMEC Environment & C1802067	Infrastructu	re, Inc. C	lient Sample 1D: Tag Number:	OU3-1	OU3-135-IA103		
Project	Fik Street Buffalo - SVI	1		Collection Date:	2/22/2	018		
Lob ID:		L .		Mateix	AIR			
Lao ID:	C1802007-015A			Internation of the second s	100.002			
Analyses		Result	**Limit Qual	Units	DF	Date Analyzed		
1UG/M3 W/ 0.2	UG/M3 CT-TCE-VC-DCE-1	1DCE	TO-15			Analyst; RJP		
1,1,1-Trichloroe	ethane	< 0,82	0.82	ug/m3	1	2/23/2018 5:12:00 PM		
1.1.2,2-Tetrach	loroethane	< 1.0	1.0	ug/m3	1	2/23/2018 5:12:00 PM		
1,1,2-Trichloroe	ethane	< 0.82	0.82	ug/m3	1	2/23/2018 5:12:00 PM		
1,1-Dichloroeth	ane	< 0.61	0,61	นg/กา3	1	2/23/2018 5:12:00 PM		
1,1-Dichloroeth	ene	< 0,16	0,16	ug/m3	1	2/23/2018 5:12:00 PM		
1,2,4-Trichlorob	enzene	< 1,1	1.101-LCS-L	ug/m3	1	2/23/2018 5:12:00 PM		
1,2,4-Trimethyl	benzene	0.74	0.741-LCS-L	ug/m3ics-RPD	1	2/23/2018 5:12:00 PM		
1,2-Dibromoeth	ane	< 1.2	1.2	ug/m3	1	2/23/2018 5:12:00 PM		
1,2-Dichlorober	nzene	< 0,90	0.90UJ-LCS-L	ug/m3	1	2/23/2018 5:12:00 PM		
1.2-Dichloroeth	ane	< 0.61	0,51	ug/m3	1	2/23/2018 5:12:00 PM		
1,2-Dichloropro	pane	< 0.69	0 69	ug/m3	1	2/23/2018 5:12:00 PM		
1.3.5-Trimethyl	benzene	< 0,74	0.7403-LCS-L	ug/m3	1	2/23/2018 5:12:00 PM		
1,3-butadiene		< 0.33	0.33	ug/m3	1	2/23/2018 5:12:00 PM		
1,3-Dichlorober	IZENE	< 0.90	0.90	ug/m3	1	2/23/2018 5:12:00 PM		
1,4-Dichlorober	izene	< 0.90	0.90	ug/m3	1	2/23/2018 5:12:00 PM		
1,4-Dioxane		< 1.1	1.1W-LCS-L	. ug/m3	1	2/23/2018 5:12:00 PM		
2,2,4-trimethylp	entane	0.56	0.70 J	ug/m3	1	2/23/2018 5:12:00 PM		
4-othyltoluene		< 0.74	0.7405-LCS-1	ug/m3	1	2/23/2018 5:12:00 PM		
Acetone		27	7,1	ug/m3	10	2/24/2018 7:12:00 PM		
Ally! chloride		< 0.47	0.47	ug/m3	1	2/23/2018 5:12:00 PM		
Benzene		0.86	0.48	ug/m3	1	2/23/2018 5:12:00 PM		
Senzyl chloride		< 0.86	0.8601-105-0	ug/m3	1	2/23/2018 5:12 00 PM		
Bromodichloron	nethane	< 1.0	1.0	ug/m3	1	2/23/2018 5:12:00 PM		
Bromoform		< 1.6	1.6	ug/m3	1	2/23/2018 5 12:00 PM		
Bromomethane		< 0.58	0.58	ug/m3	1	2/23/2018 5 12:00 PM		
Carbon disulfide	2	< 0:47	0.47	ug/m3	1	2/23/2018 5 12:00 PM		
Carbon tetrachi	oride	< 0.19	0.19	vg/m3	1	2/23/2018 5.12.00 PM		
Chlorobenzene		< 0.69	0.69	ug/m3	1	2/23/2018 5:12:00 PM		
Chloroethane		< 0.40	0.40	ug/m3	1	2/23/2018 5:12:00 PM		
Chloroform		< 0,73	0.73	ug/m3	1	2/23/2018 5:12.00 PM		
Chloromethane		0.97	0.31	ug/m3	1	2/23/2018 5:12:00 PM		
cis-1.2-Dichloro	ethene	< 0.16	0.16	ug/m3	1	2/23/2018 5 12:00 PM		
cis-1,3-Dichloro	DIODGUB	< 0.68	0.68	ug/m3	1	2/23/2018 5:12:00 PM		
Cyclohexane		< 0.52	0.52	ug/m3	1	2/23/2018 5:12:00 PM		
Dibromochloron	nethano	< 1.3	1.3	ug/m3	1 🛸	2/23/2018 5:12:00 PM		
Ethyl acetate		1.2	0.541-105-1	ug/m31CS-RPD	1	2/23/2018 5.12:00 PM		
Ethylbenzene		0.65	0.65	ua/m3	1	2/23/2018 5:12:00 PM		
Freen 11		3.8	0.84	ua/m3	1	2/23/2018 5:12:00 PM		
Ereon 113		< 1.1	1.1	ua/m3	1	2/23/2018 5:12:00 PM		
Frenn 114		< 1.0	10	uo/m3	1	2/23/2018 5:12:00 PM		
E10AIL FEA		~ 5,0	1.0	agricia		Produced 101-001-001-001		

•• Quantitation Limit

Qualifiers:

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

S

Date: 08-Mar-18

CLIENT:	AMEC Environ	ment & Infrastructu	re, Inc.	Client Sample ID;	OU3-	135-IA103
Lab Order:	C1802067			Tag Number:	195.4	40
Project:	Elk Street Buffa	lo - SVI		<b>Collection Date:</b>	2/22/2	2018
Lab ID:	C1802067-015/	N N		Matrix:	AIR	
Analyses	<ul> <li>A. S. B. DEBUG ST.</li> </ul>	Result	**Limit Qu	al Units	DF	Date Analyzed
1UG/M3 W/ 0,2	UG/M3 CT-TCE-VC	DCE-1,1DCE	TO-15			Analyst: RJP
Freon 12		3.4	0.74	ug/m3	1	2/23/2018 5:12:00 PM
Heptane		< 0.61	0.61	ug/m3	1	2/23/2018 5 12:00 PM
Hexachioro-1,3	l-butadlene	< 1.6	1.603.60	SL ug/m3	1	2/23/2018 5 12:00 PM
Hexane		0.88	0.53	ug/m3	1	2/23/2018 5 12:00 PM
Isopropyl alcoh	10	4.8	0.37 1-109	- RPUD/m3	1	2/23/2018 5 12:00 PM
m&p-Xylene		26	1.3	ug/m3	1	2/23/2018 5:12:00 PM
Methyl Butyl Ke	etone	< 1.2	1.2UJ-LC	S-Lug/m3	1	2/23/2018 5.12:00 PM
Methyl Ethyl Ke	atone	2.0	0.88 1.00	S-L, Ug/m3LCS-RPD	1	2/23/2018 5:12 00 PM
Methyl (sobuty)	Ketone	< 1.2	1.201-6	S-i_ug/m3	1	2/23/2018 5 12:00 PM
Methyl tert-buty	/l ether	< 0.54	0.54 05-66	g/m3	1	2/23/2018 5 12:00 PM
Methylene chlo	ride	1,0	0.52	ug/m3	1	2/23/2018 5:12:00 PM
o-Xylena		0.96	0.65 - 105	RPDug/m3	1	2/23/2018 5:12:00 PM
Propylene		0 14	0.26 J	ug/m3	1	2/23/2018 5:12:00 PM
Styrene		0.51	0.64 J	ug/m3	1	2/23/2018 5:12:00 PM
Tetrachloroethy	lene	< 1.0	1.0	ug/m3	1	2/23/2018 5:12:00 PM
Tetrahydrofurar	ו	< 0.44	0.44UFLCS	s€ ug/m3	1	2/23/2018 5.12 00 PM
Toluene		6.6	0.57	ug/m3	1	2/23/2018 5:12:00 PM
trans-1,2-Dichlo	proethene	< 0.59	0.59	ug/m3	1	2/23/2018 5 12:00 PM
trans-1,3-Dichlo	ropropené	< 0.68	0.68	ug/m3	1	2/23/2018 5:12:00 PM
Trichloroethene		< 0,16	0.15	ug/m3	1	2/23/2018 5:12:00 PM
Vinyl acetate		< 0.53	0.53	ug/m3	1	2/23/2018 5:12:00 PM
Vinyl Bromide		< 0.65	0.66	ug/m3	1	2/23/2018 5:12:00 PM
Vinvl chloride		c 0 10	0.10	unlen?	4	0/22/2019 5:12:00 DM

Qualifiers: \*\* Quantitation Limit Results reported are not blank corrected. . В Analyte detected in the associated Method Blank E Estimated Value above quantitation range Н Holding times for preparation or analysis exceeded Analyte detected below quantitation limit J JN Non-routine analyte. Quantitation estimated, Not Detected at the Limit of Detection ND

Spike Recovery outside accepted recovery limits

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Date: 08-Mar-18

CLIENT:	AMEC Environment &	Infrastructu	ire, Inc.	Clici	Client Sample ID:		OU3-OUT-AA100		
Lan Order:	C1802007			-	Tag Number:	363 I			
Project:	Elk Street Buffalo - SV	1		Co	flection Date:	2/22/2	2018		
Lab ID:	C1802067-016A				Matrix:	AIR			
Analyses		Result	**Limlt Q	)ual Ui	nits	DF	Date Analyzed		
FIELD PARAM	ETERS		FLD	)			Analyst:		
Lab Vacuum In		-3		"H	9		2/23/2018		
Lab Vacuum Oi	ut	-30		"H	g		2/23/2018		
1UG/M3 W/ 0.2	UG/M3 CT-TCE-VC-DCE-	I,1DCE	TO-1	5			Analyst: RJP		
1,1,1-Trichloroe	thane	< 0.15	0.15	pp	bV	1	2/23/2018 5:52:00 PM		
1,1,2,2-Tetrachi	loroothane	< 0.15	0.15	pp	bV	1	2/23/2018 5:52:00 PM		
1,1,2-Trichloroe	thane	< 0.15	0,15	pp	ъV	1	2/23/2018 5:52:00 PM		
1,1-Dichloroeth:	ane	< 0.15	0.15	pp	bV	1	2/23/2018 5:52:00 PM		
1,1-Dichloroeth	ene	< 0.040	0.040	ppl	ЬV	1	2/23/2018 5:52:00 PM		
1,2,4-Trichlorob	enzene	< 0.15	0.15	ppi	bν	1	2/23/2018 5:52:00 PM		
1.2.4-Trimethylt	enzene	< 0.15	0.15	ppl	bV	1	2/23/2018 5:52:00 PM		
1,2-Dibromooth:	ane	< 0.15	0.15	ppi	ъV	1	2/23/2018 5:52:00 PM		
1.2-Dichloroben	zene	< 0.15	0.15	ppl	ЬV	1	2/23/2018 5:52:00 PM		
1,2-Dichloroetha	aue	< 0.15	0.15	ppl	bV	1	2/23/2018 5 52 00 PM		
1,2-Dichloroprop	oane	< 0.15	0,15	ppi	ъV	1	2/23/2018 5 52 00 PM		
1,3,5-Trimethylb	enzene	< 0.15	0.15	ppt	ьν	1	2/23/2018 5 52 00 PM		
1,3-butadiene		< 0.15	0.15	ppt	bV	1	2/23/2018 5 52 00 PM		
1,3-Dichloroben	zene	< 0.15	0.15	ppt	bV	1	2/23/2018 5:52:00 PM		
1,4-Dichloroben	zene	< 0.15	0,15	ppi	bV	1	2/23/2018 5.52.00 PM		
1,4-Dioxane		< 0.30	0.30	ppt	ЬV	1	2/23/2018 5 52:00 PM		
2,2,4-trimethylpe	entane	< 0.15	0.15	ppt	Ь∨	1	2/23/2018 5:52:00 PM		
4-ethyltoluene		< 0.15	0.15	ppt	ЬV	1	2/23/2018 5:52.00 PM		
Acetone		2.7	0.30	ppt	ЬV	1	2/23/2018 5:52:00 PM		
Allyl chloride		< 0.15	0.15	ppt	ЬV	1	2/23/2018 5.52.00 PM		
Benzene		0.21	0.15	ppt	Ьν	1	2/23/2018 5:52:00 PM		
Benzyl chlorida		< 0.15	0.15	ppt	bV	1	2/23/2018 5:52:00 PM		
Bromodichlorom	ethane	< 0.15	0.15	ppt	bV	1	2/23/2018 5:52:00 PM		
Bromoform		< 0.15	0.15	ppt	bV	1	2/23/2018 5.52:00 PM		
Bromomethane		< 0.15	0,15	ppt	bV	1	2/23/2018 5:52:00 PM		
Carbon disutfide		< 0.15	0.15	ppt	٥V	1	2/23/2018 5:52:00 PM		
Carbon tetrachlo	ride	< 0.030	0.030	ppt	bV	1	2/23/2018 5:52:00 PM		
Chlorobenzene		< 0.15	0.15	ppt	bV	1	2/23/2018 5.52.00 PM		
Chloroethane		< 0.15	0.15	ppt	bV	1	2/23/2018 5:52:00 PM		
Chlorofarm		< 0.15	0.15	ppt	Ve	1	2/23/2018 5:52.00 PM		
Chloromethane		0.46	0.15	ppb	V	1	2/23/2018 5:52:00 PM		
cis-1,2-Dichloroe	thene	< 0.040	0.040	ppb	V	1	2/23/2018 5:52:00 PM		
cis-1,3-Dichlorop	ropene	< 0.15	0.15	ppb	v	1	2/23/2018 5:52.00 PM		
Cyclohexane		< 0.15	0.15	ppb	Vc	1	2/23/2018 5:52:00 PM		
Dibromochlorom	elhane	< 0,15	0.15	ppb	Ve	1	2/23/2018 5:52:00 PM		
Ethyl acetate		0.25	0.15	ססס	v	1	2/23/2018 5:52 00 PM		

Qualifiers: \*\*

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 quantitution limit

ND Not Detected at the Limit of Detection

Quantitution Limit

Date: 08-Mar-18

CLIENT:	AMEC Environment & I	nfrastructu	re, Inc.	C	lient Sample IE	: OU3-0	OUT-AA100
Lab Order:	C1802067				Tag Number	: 363 E	
Project:	Elk Street Buffalo - SVI				<b>Collection Date</b>	: 2/22/2	018
Lab ID:	C1802067-016A				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	< 0.15	0.15		ppbV	1	2/23/2018 5:52:00 PM
Freon 11	0.30	0 15		ppbV	1	2/23/2018 5:52:00 PM
Freon 113	< 0.15	0.15		ppbV	1	2/23/2018 5:52:00 PM
Freon 114	< 0.15	0.15		ppbV	1	2/23/2018 5:52:00 PM
Freon 12	0,57	0,15		ррbV	1	2/23/2018 5:52:00 PM
Heptane	< 0,15	0.15		ppbV	1	2/23/2018 5:52:00 PM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	2/23/2018 5 52:00 PM
Hexane	< 0.15	0.15		ppbV	1	2/23/2018 5.52.00 PM
Isopropyl alcohol	< 0.15	0.15		ppbV	1	2/23/2018 5 52:00 PM
m&p-Xylene	0,14	0.30	J	ppbV	1	2/23/2018 5 52,00 PM
Methyl Butyl Ketone	< 0.30	0.30		ppbV	1	2/23/2018 5:52:00 PM
Methyl Ethyl Ketone	0.26	0.30	J	ppbV	1	2/23/2018 5:52:00 PM
Methyl Isobutyl Ketone	< 0.30	0.30		ppbV	1	2/23/2018 5:52:00 PM
Methyl ten-butyl ether	< 0,15	0 15		ppbV	1	2/23/2018 5 52 00 PM
Methylene chloride	0.53	0.15		ppbV	1	2/23/2018 5:52:00 PM
o-Xylane	< 0.15	0,15		ppbV	1	2/23/2018 5:52:00 PM
Propylene	0.090	0.15	J	ррь∨	1	2/23/2018 5:52:00 PM
Styrene	< 0,15	0.15		ppbV	1	2/23/2018 5.52 00 PM
Tetrachloroethylene	< 0.15	0.15		ppbV	1	2/23/2018 5:52 00 PM
Tetrahydrofuran	< 0.15	0,15		ppbV	1	2/23/2018 5:52:00 PM
Toluene	0,44	0.15		ppbV	1	2/23/2018 5:52:00 PM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	2/23/2018 5:52.00 PM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	2/23/2018 5:52:00 PM
Trichloroethene	< 0.030	0.030		ppbV	1	2/23/2018 5:52:00 PM
Vinyl acetate	< 0.15	0.15		ppbV	1	2/23/2018 5:52:00 PM
Vinyl Bromide	< 0.15	0.15		ppbV	1	2/23/2018 5.52:00 PM
Vinyl chloride	< 0.040	0.040		ppbV	1	2/23/2018 5:52:00 PM
Surr: Bromofluorobenzene	99.0	70-130		%REC	1	2/23/2018 5:52:00 PM

Qualifiers:

e #

#### Quantitation Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- 3N 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.

Date: 08-Mar-18

CLIENT:	AMEC Environment &	. Infrastructu	re, Inc.	Client Sample II	): OU3-	OUT-AA100		
Lab Order:	C1802067			Tag Numbe	r: 363 i	363 1		
Project:	Elk Street Buffalo - SV	71		Collection Date:		2/22/2018		
Lah ID:	C1802067-016A	C1802067-016A				AIR		
Analyses	a a sa mara	Result	**Limit Q	ual Units	DF	Date Analyzed		
1UG/M3 W/ 0.2	UG/M3 CT-TCE-VC-DCE-	1.1DCE	TO-1	5		Analyst: RJP		
1,1.1-Trichloroe	athane	< 0.82	0.82	ug/m3	1	2/23/2018 5:52:00 PM		
1,1,2,2-Tetrach	loroethane	< 1.0	1.0	ug/m3	1	2/23/2018 5:52,00 PM		
1,1,2-Trichloroe	ethane	< 0.82	0.82	ug/m3	1	2/23/2018 5:52:00 PM		
1,1-Dichloroeth	ane	< 0.61	0.61	ug/m3	1	2/23/2018 5:52:00 PM		
1,1-Dichloroeth	ene	< 0.16	0.16	ug/m3	1	2/23/2018 5:52:00 PM		
1,2,4-Trichlorob	penzene	< 1.1	1.10)-0	.05 L ug/m3	1	2/23/2018 5:52:00 PM		
1,2,4-Trimethyll	benzene	< 0.74	0.7403-	LCS-Lug/m3	1	2/23/2018 5.52,00 PM		
1,2-Dibromoeth	ane	< 1,2	1.2	ug/m3	1	2/23/2018 5:52:00 PM		
1.2-Dichlorober	nzene	< 0.90	0.9003	LCS-Lug/m3	1	2/23/2018 5:52:00 PM		
1,2-Dichloroeth	ane	< 0.61	0.61	ug/m3	1	2/23/2018 5 52:00 PM		
1,2-Dichloropro	pane	< 0.69	0.69	ug/m3	1	2/23/2018 5 52 00 PM		
1,3,5-Trimethylt	benzene	< 0.74	0.7401-1	CS-L ug/m3	1	2/23/2018 5:52:00 PM		
1.3-butadiene		< 0.33	0.33	ug/m3	1	2/23/2018 5 52 00 PM		
1,3-Dichloroben	ігеле	< 0.90	0.90	ug/m3	1	2/23/2018 5:52:00 PM		
1,4-Dichloroben	zene	< 0.90	0.90	ug/m3	1	2/23/2018 5 52 00 PM		
1,4-Dioxane		< 1.1	1.1014	CS-L ug/m3	1	2/23/2018 5:52:00 PM		
2,2,4-trimethylp	entane	< 0.70	0,70	La/m3	1	2/23/2018 5:52:00 PM		
4-ethyltoluene		< 0.74	0.7401-0	CS-1 ug/m3	1	2/23/2018 5 52 00 PM		
Acetone		6.4	0.71	ua/m3	1	2/23/2018 5 52 00 PM		
Allyl chloride		< 0.47	0.47	ua/m3	1	2/23/2018 5:52:00 PM		
Benzene		0.67	0.48	ua/m3	1	2/23/2018 5 52.00 PM		
Benzyl chłoride		< 0.86	0.86(1)-1	(S-) µa/m3	1	2/23/2018 5 52 00 PM		
Bromodichloron	nethane	< 1.0	1.0	uo/m3	1	2/23/2018 5:52:00 PM		
Bromoform		< 1.6	1.6	ug/m3	1	2/23/2018 5 52 00 PM		
Bromomethane		< 0.58	0.58	uo/m3	1	2/23/2018 5:52:00 PM		
Carbon disulfide	•	< 0.47	0.47	uo/m3	1	2/23/2018 5 52 00 PM		
Carbon tetrachio	oride	S 0.19	0.19	ug/m3	1	2/23/2018 5 52 00 PM		
Chlorobenzene		< 0.69	0.69	uo/m3	1	2/23/2018 5 52 00 PM		
Chloroethane		< 0.40	0.40	ua/m3	1	2/23/2018 5 52:00 PM		
Chloroform		< 0.73	0.73	ug/m3	1	2/23/2018 5 52:00 PM		
Chloromethane		0.95	031	ug/m3	1	2/23/2018 5:52:00 PM		
cis-1 2-Dichloro	athene	< 0.16	0.16	uo/m3	1	2/23/2018 5:52:00 PM		
cis-1.3-Dichloro	propene	< 0.68	0.68	ug/m3	1	2/23/2018 5 52 00 PM		
Cyclohexane	r p	< 0.50	D.50	10/m3	1	2/23/2018 5 52:00 DM		
Dibromochlocom	pethane	<13	13	uo/m3	1	2/23/2018 5-52-00 PM		
Ethyl scetate	rwitting Ry	000	n satua	c.l. unimit. /c.0.07	1	2/23/2018 6-62 00 014		
Ethylhensene		× 0.66	0.045	2-11 AAULOTCO.KLP	1	2/23/2010 3.32.00 FW		
Ereon 11		1 7	0.00	uymia uolm?	4	2/20/2010 0 02/00 PM		
From 112		1,1	V.04 4 4	ug/m3	4	2/23/2010 3.32.00 FM		
Eroop 444		> 1.1	<u>1</u>	ບບາດ	-	2/20/2010 0.02.00 MM		
111101111114		S 7.0	1.0	ugrina		212312010 0,32,00 MM		

\*\* Quantitation Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

JN Non-toutine 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

Qualifiers:

Date: 08-Mar-18

CLIENT: AMEC Environment & Infrastructu			re, Inc. Client Sample ID:			OU3-OUT-AA100		
Lab Order: C1802067			Tag Number:		363 I 2/22/2018			
Project:	Elk Street Buffalo - SVI			Collection Date:				
Lab ID:	C1802067-016A					Matrix:	AIR*	
Analyses		Result	**Limit	Qual	Units	non oo ka • ki rorahi a.	DF	Date Analyzed
1UG/M3 W/ 0.2	UG/M3 CT-TCE-VC-DCE-1,	1DCE	TC	)-15				Analyst: RJP
Freon 12		2.8	0.74		ug/m3		1	2/23/2018 5 52:00 PM
Heplane		< 0.61	0.61		ug/m3		1	2/23/2018 5 52 00 PM
Hexachloro-1,3	-butadiene	< 1.6	1.6\	15-1-65-1	_ ug/m3		1	2/23/2018 5 52:00 PM
Нехаре		< 0.53	0.53		10/03		4	2/23/2019 5 52:00 DM

Нехале	< 0.53	0.53	ug/m3	1	2/23/2018 5:52:00 PM
Isopropyl atcohol	< 0.37	0.37	ug/m3	1	2/23/2018 5 52:00 PM
m&p-Xylene	0.61	1.3 J	ug/m3	1	2/23/2018 5 52 00 PM
Methyl Butyl Ketone	< 1.2	1.25-LC	S-Lug/m3	1	2/23/2018 5 52 00 PM
Methyl Ethyl Ketone	0.77	0.88 J	- ug/m3(CSL.	LCS-RPD	2/23/2018 5 52 00 PM
Methyl Isobutyl Ketone	< 1.2	1.2UJ-LC	S-Lug/m3	1	2/23/2018 5:52:00 PM
Methyl tert-butyl ether	< 0.54	0.54UJ-LC	5 L ug/m3	1	2/23/2018 5 52:00 PM
Methylene chloride	1.8	0.52	ug/m3	1 .	2/23/2018 5:52:00 PM
o-Xylene	< 0.65	0.65	ug/m3	1	2/23/2018 5:52:00 PM
Propylena	0.15	0.26 J	ug/m3	1	2/23/2018 5:52:00 PM
Styrene	< 0.64	0.64	ug/m3	1	2/23/2018 5:52:00 PM
Tetrachloroethylene	< 1.0	1.0	ug/m3	1	2/23/2018 5:52:00 PM
Tetrahydrofuran	< 0.44	0.4405-60	CS-Lug/m3	1	2/23/2018 5:52:00 PM
Toluene	1.7	0.57	ug/m3	1	2/23/2018 5:52:00 PM
trans-1,2-Dichloroethene	< 0.59	0.59	ug/m3	1	2/23/2018 5 52.00 PM
trans-1,3-Dichloropropene	< 0.68	0.68	ug/m3	1	2/23/2018 5 52:00 PM
Trichloroethene	< 0.16	0.16	ug/m3	1	2/23/2018 5:52 00 PM
Vinyl acetate	< 0.53	0.53	Cm\gu	1	2/23/2018 5 52:00 PM
Vinyl Bromide	< 0.66	0.66	ug/m3	1	2/23/2018 5 52:00 PM
Vinyl chloride	< 0.10	0.10	ua/m3	1	2/23/2018 5 52 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 notside 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