TABLE

Summary of Volatile Organic Compounds in Indoor Air

Table 1.Summary of Volatile Organic Compounds in Indoor Air, 11-20 46th Road, Long Island City, New York

Analyte (Concentrations in µg/m^3)	Sample Designation:	IA-1	IA-1	IA-1	IA-2	IA-2	IA-3	IA-3	IA-4	IA-5
	Sample Date:	8/23/2019	9/26/2019	1/29/2020	8/23/2019	9/26/2019	12/3/2019	1/29/2020	12/3/2019	12/3/2019
Carbon Tetrachloride		**0.396**	**0.484**	**0.503**	**0.403**	**0.497**	**0.465**	**0.44**	**0.428**	**0.497**
Trichloroethene		0.107 U	**0.199**	0.107 U	**0.107**	**0.704**	**0.328**	**0.134**	**0.134**	**0.124**
Cis-1,2-Dichloroethene		0.079 U	**1.19**	**0.801**	0.079 U	**1.65**	**1.1**	**1.52**	**1.07**	**0.773**
1,1-Dichloroethene		0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
Tetrachloroethene		**1.01**	**2.27**	**0.495**	**0.956**	**5.93**	**5.21**	**1.5**	**2.24**	**1.8**
1,1,1-Trichloroethane		0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U
Methylene Chloride		**3.41**	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U
Vinyl Chloride		0.051 U	**0.169**	0.051 U	0.051 U	**0.194**	**0.069**	**0.097**	**0.1**	**0.061**
1,1,2,2-Tetrachloroethane		1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
1,1,2-Trichloroethane		1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane		0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2,4-Trichlorobenzene		1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene		**1.05**	**1.1**	0.983 U	**1.06**	0.983 U	**1.81**	0.983 U	**1.46**	**1.07**
1,2-Dibromoethane		1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene		1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U
1,2-Dichloroethane		0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane		0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
1,3,5-Trimethylbenzene		0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,3-Butadiene		0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U
1,3-Dichlorobenzene		1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U
1,4-Dichlorobenzene		1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U
1,4-Dioxane		0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
2-Butanone (MEK)		**1.52**	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U
2-Hexanone		0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U
3-Chloropropene		0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U
4-Ethyltoluene		0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
4-Methyl-2-pentanone (MIBK)		**7.95**	2.05 U	2.05 U	**16.3**	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U
Acetone		**26.4**	**29.9**	**4.87**	**27.8**	**29.5**	**7.44**	**5.11**	**6.27**	**6.7**
Benzene		**1.02**	**0.754**	0.639 U	**0.652**	**0.732**	0.639 U	0.639 U	0.639 U	0.639 U
Benzyl Chloride		1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U
Bromodichloromethane		1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
Bromoethene		0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U
Bromoform		2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane		0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
Carbon Disulfide		**1.17**	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U
Chlorobenzene		0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane		0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform		0.977 U	**1.02**	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U
Chloromethane		**0.983**	**1.03**	**1.1**	**0.954**	**1.03**	**0.911**	**1.68**	**0.88**	**0.907**
Cis-1,3-Dichloropropene		0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Cyclohexane		**0.916**	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U

Table 1.Summary of Volatile Organic Compounds in Indoor Air, 11-20 46th Road, Long Island City, New York

Analyte (Concentrations in µg/m^3)	**Sample Designation:** / **Sample Date:**	IA-1 8/23/2019	IA-1 9/26/2019	IA-1 1/29/2020	IA-2 8/23/2019	IA-2 9/26/2019	IA-3 12/3/2019	IA-3 1/29/2020	IA-4 12/3/2019	IA-5 12/3/2019
Dibromochloromethane		1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U
Dichlorodifluoromethane		**2.1**	**2.54**	**2.43**	**2.18**	**2.49**	**2.37**	**2.45**	**2.3**	**2.44**
Ethanol		**318**	**281**	**21.1**	**616**	**207**	**15**	**40.9**	**18.2**	**13**
Ethyl Acetate		**2.25**	1.80 U	1.80 U	**4.07**	1.80 U	1.80 U	1.80 U	1.80 U	1.80 U
Ethylbenzene		**1.28**	**2.17**	**4.06**	**1.52**	**1.21**	**2.49**	**5.13**	**2.98**	**2.53**
Freon 113		1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U
Freon 114		1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
Heptane		**1.02**	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U
Hexachlorobutadiene		2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U
Isooctane		**1.54**	**9.29**	0.934 U	0.934 U	**5.42**	0.934 U	0.934 U	0.934 U	0.934 U
Isopropanol		**3.71**	**8.16**	**7.35**	**3.69**	**6.76**	**4.18**	**24.2**	**3.79**	**3**
M+P-Xylene		**4.6**	**10.8**	**17.8**	**5.73**	**5.56**	**11.2**	**23.1**	**12.9**	**11.2**
MTBE		0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
N-Hexane		**2.22**	**1.13**	0.705 U	**0.754**	**1.3**	0.705 U	0.705 U	0.705 U	0.705 U
O-Xylene		**1.32**	**3.21**	**5.17**	**1.58**	**1.69**	**3.59**	**7.04**	**4.03**	**3.49**
Styrene		0.852 U	0.852 U	0.852 U	0.852 U	**0.92**	0.852 U	0.852 U	0.852 U	0.852 U
T-Butyl Alcohol		**1.79**	**23.3**	1.52 U	**2.99**	**19.6**	**1.55**	1.52 U	1.52 U	**1.52**
Tetrahydrofuran		**6.19**	**1.58**	1.47 U	**3.24**	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U
Toluene		**5.8**	**2.33**	0.754 U	**4.6**	**2.06**	**0.855**	0.754 U	**0.942**	**0.931**
Trans-1,2-Dichloroethene		0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
Trans-1,3-Dichloropropene		0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Trichlorofluoromethane		1.12 U	**1.28**	**1.19**	1.12 U	**1.25**	**1.37**	**1.17**	**1.37**	**1.43**

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Analyte (Concentrations in µg/m^3)	Sample Designation:	IA-6	IA-6	IA-7	IA-8	IA-F1C	IA-F1E	IA-F1W	IA-F2C	IA-F2E	IA-F2W	IA-F3C	IA-F3E	IA-F3W
	Sample Date:	12/3/2019	1/29/2020	12/3/2019	12/3/2019	1/29/2020	12/3/2019	12/3/2019	1/29/2020	12/3/2019	12/3/2019	1/29/2020	12/3/2019	12/3/2019
Carbon Tetrachloride		**0.453**	**0.365**	**0.459**	**0.459**	**0.403**	**0.447**	**0.472**	**0.365**	**0.465**	**0.459**	**0.384**	**0.459**	**0.415**
Trichloroethene		**0.172**	**0.355**	0.107 U	0.107 U	0.107 U	**0.226**	**0.161**	0.107 U	**0.285**	**0.107**	0.107 U	**0.193**	**0.231**
Cis-1,2-Dichloroethene		**1.52**	**1**	**0.944**	**0.646**	0.079 U	**0.547**	**0.381**	0.079 U	**0.813**	**0.408**	**0.119**	**0.757**	**0.884**
1,1-Dichloroethene		0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
Tetrachloroethene		**2.23**	**0.705**	**1.7**	**1.35**	**0.251**	**3.62**	**1.78**	**0.136**	**3.28**	**1.27**	**0.285**	**2.71**	**3.21**
1,1,1-Trichloroethane		0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U	0.109 U
Methylene Chloride		1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U
Vinyl Chloride		**0.141**	**0.059**	**0.082**	**0.072**	0.051 U	0.051 U	0.051 U	0.051 U	**0.102**	0.051 U	0.051 U	**0.067**	**0.056**
1,1,2,2-Tetrachloroethane		1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
1,1,2-Trichloroethane		1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane		0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2,4-Trichlorobenzene		1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene		**1.56**	0.983 U	**1.88**	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,2-Dibromoethane		1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene		1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U
1,2-Dichloroethane		0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane		0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
1,3,5-Trimethylbenzene		0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,3-Butadiene		0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U	0.442 U
1,3-Dichlorobenzene		1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U
1,4-Dichlorobenzene		1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U
1,4-Dioxane		0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
2-Butanone (MEK)		1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U
2-Hexanone		0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U
3-Chloropropene		0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U
4-Ethyltoluene		0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
4-Methyl-2-pentanone (MIBK)		2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U
Acetone		**6.89**	**4.13**	**6.98**	**7.08**	**4.2**	**5.7**	**5.08**	**5.8**	**6.06**	**5.34**	**3.52**	**6.41**	**5.49**
Benzene		0.639 U	0.639 U	0.639 U	0.639 U	0.639 U	0.639 U	0.639 U	0.639 U	0.639 U	0.639 U	0.639 U	0.639 U	0.639 U
Benzyl Chloride		1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U
Bromodichloromethane		1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
Bromoethene		0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U
Bromoform		2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane		0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
Carbon Disulfide		0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U	0.623 U
Chlorobenzene		0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane		0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform		0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U
Chloromethane		**0.938**	**1.09**	**0.904**	**0.927**	**1.14**	**0.983**	**1.38**	**1.1**	**1.08**	**0.919**	**1.11**	**0.96**	**1.01**
Cis-1,3-Dichloropropene		0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Cyclohexane		0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U	0.688 U

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Analyte (Concentrations in µg/m^3)	**Sample Designation:** / **Sample Date:**	IA-6 12/3/2019	IA-6 1/29/2020	IA-7 12/3/2019	IA-8 12/3/2019	IA-F1C 1/29/2020	IA-F1E 12/3/2019	IA-F1W 12/3/2019	IA-F2C 1/29/2020	IA-F2E 12/3/2019	IA-F2W 12/3/2019	IA-F3C 1/29/2020	IA-F3E 12/3/2019	IA-F3W 12/3/2019
Dibromochloromethane		1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U
Dichlorodifluoromethane		**2.4**	**1.91**	**2.39**	**2.41**	**1.92**	**2.28**	**2.45**	**1.93**	**2.37**	**2.46**	**1.91**	**2.41**	**2.3**
Ethanol		**11.2**	**18.8**	**11.2**	**12.4**	9.42 U	**19**	**19**	9.42 U	**49.6**	**38.4**	**11.3**	**21.1**	**24.1**
Ethyl Acetate		1.80 U	1.80 U	1.80 U	1.80 U	1.80 U	1.80 U	1.80 U	1.80 U	1.80 U	1.80 U	1.80 U	1.80 U	1.80 U
Ethylbenzene		**3.14**	**3.51**	**2.74**	**4.43**	**1.47**	**1.36**	**1.15**	**1.17**	**1.75**	**1.34**	**5.34**	**0.986**	**1.6**
Freon 113		1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U	1.53 U
Freon 114		1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U	1.40 U
Heptane		0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U
Hexachlorobutadiene		2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U
Isooctane		0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U	0.934 U
Isopropanol		**2.8**	**5.46**	**2.51**	**2.45**	**1.62**	**2.45**	**2.23**	**1.27**	**3.15**	**1.89**	**2.05**	**2.16**	**2.75**
M+P-Xylene		**13.4**	**14.9**	**11.5**	**19.9**	**6.17**	**5.91**	**5.04**	**4.78**	**7.38**	**6.08**	**22.4**	**4.56**	**6.6**
MTBE		0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
N-Hexane		0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U	0.705 U
O-Xylene		**4.16**	**4.3**	**3.58**	**5.82**	**1.75**	**1.97**	**1.74**	**1.37**	**2.51**	**2.05**	**6.39**	**1.5**	**2.19**
Styrene		0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U
T-Butyl Alcohol		**1.81**	1.52 U	1.52 U	1.52 U	1.52 U	1.52 U	1.52 U	1.52 U	**2.58**	**1.86**	1.52 U	**1.55**	**2.14**
Tetrahydrofuran		1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U	1.47 U
Toluene		**1.15**	**0.837**	**1.13**	**0.984**	**0.822**	**0.976**	0.754 U	**0.908**	**0.931**	0.754 U	**0.799**	0.754 U	**1.07**
Trans-1,2-Dichloroethene		0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
Trans-1,3-Dichloropropene		0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Trichlorofluoromethane		**1.38**	1.12 U	**1.39**	**1.37**	1.12 U	**1.43**	**1.42**	1.12 U	**1.26**	**1.42**	1.12 U	**1.37**	**1.16**

FIGURES

AA-1	8/23/19	9/26/19
VOCs		
Carbon Tetrachloride	**0.419**	**0.478**
Cis-1,2-Dichloroethene	ND	**0.202**
Tetrachloroethene	**1.12**	**0.956**
Methylene Chloride	ND	**2.23**

AA-2	12/3/19
VOCs	
Carbon Tetrachloride	**0.503**
Tetrachloroethene	**0.285**

SS-11	12/3/19
VOCs	
Tetrachloroethene	**56.1**

IA-7	12/3/19
VOCs	
Carbon Tetrachloride	**0.459**
Cis-1,2-Dichloroethene	**0.944**
Tetrachloroethene	**1.7**
Vinyl Chloride	**0.082**

SS-6	9/26/19
Analyte	
VOCs	
Tetrachloroethene	**48.7**

IA-8	12/3/19
VOCs	
Carbon Tetrachloride	**0.459**
Cis-1,2-Dichloroethene	**0.646**
Tetrachloroethene	**1.35**
Vinyl Chloride	**0.072**

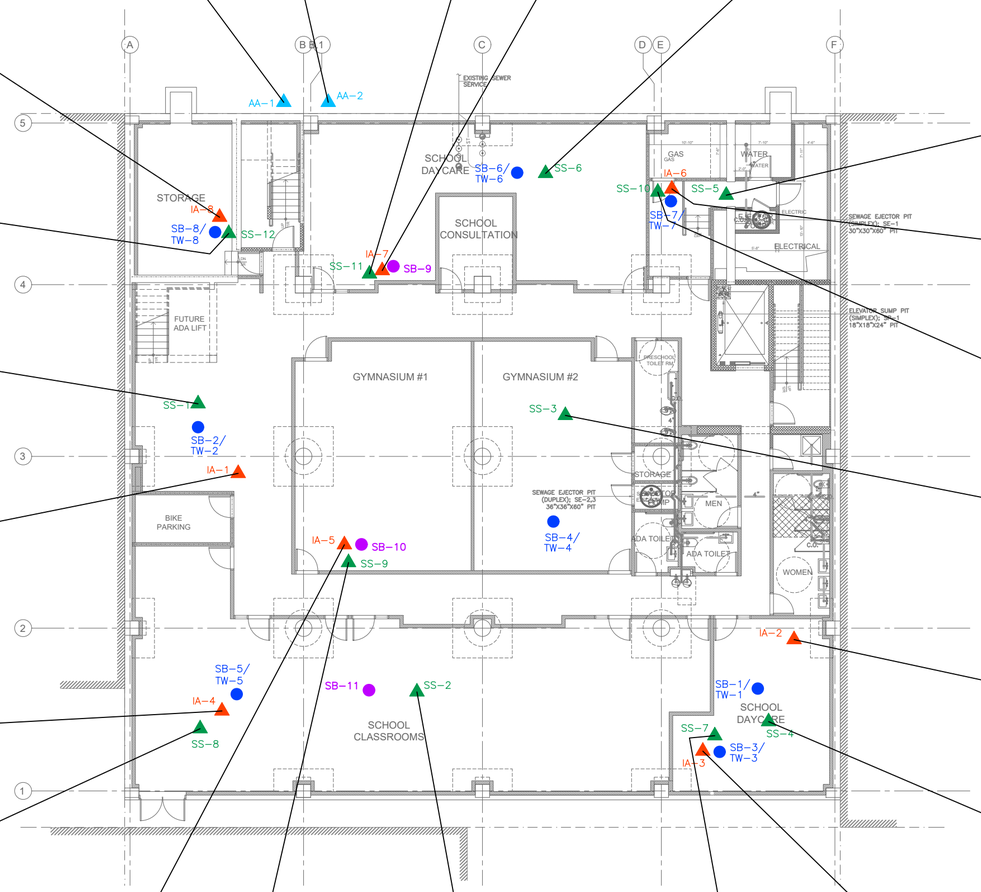
SS-12	12/3/19
VOCs	
Trichloroethene	**1.88**
Tetrachloroethene	**51.1**

SS-1	9/26/19
VOCs	
Trichloroethene	**7.9**
Cis-1,2-Dichloroethene	**28.4**
Tetrachloroethene	**67.5**
Methylene Chloride	**3.39**
Vinyl Chloride	**16.7**

IA-1	8/23/19	9/26/19	1/29/20
VOCs			
Carbon Tetrachloride	**0.396**	**0.484**	**0.503**
Trichloroethene	ND	**0.199**	ND
Cis-1,2-Dichloroethene	ND	**1.19**	**0.801**
Tetrachloroethene	**1.01**	**2.27**	**0.495**
Methylene Chloride	**3.41**	ND	ND
Vinyl Chloride	ND	**0.169**	ND

IA-4	12/3/19
VOCs	
Carbon Tetrachloride	**0.428**
Trichloroethene	**0.134**
Cis-1,2-Dichloroethene	**1.07**
Tetrachloroethene	**2.24**
Vinyl Chloride	**0.1**

SS-8	12/3/19
VOCs	
Tetrachloroethene	**132**



SS-5	9/26/19
VOCs	
Trichloroethene	**8.06**
Cis-1,2-Dichloroethene	**101**
Tetrachloroethene	**11.7**
Methylene Chloride	**2.99**
Vinyl Chloride	**110**

IA-6	12/3/19	1/29/20
VOCs		
Carbon Tetrachloride	**0.453**	**0.365**
Trichloroethene	**0.172**	**0.355**
Cis-1,2-Dichloroethene	**1.52**	**1**
Tetrachloroethene	**2.23**	**0.705**
Vinyl Chloride	**0.141**	**0.059**

SS-10	12/3/19
VOCs	
Trichloroethene	**8.22**
Tetrachloroethene	**189**

SS-3	9/26/19
VOCs	
Trichloroethene	**11**
Cis-1,2-Dichloroethene	**70.6**
Tetrachloroethene	**71.2**
Methylene Chloride	**9.03**
Vinyl Chloride	**111**

IA-2	8/23/19	9/26/19
VOCs		
Carbon Tetrachloride	**0.403**	**0.497**
Trichloroethene	**0.107**	**0.704**
Cis-1,2-Dichloroethene	ND	**1.65**
Tetrachloroethene	**0.956**	**5.93**
Vinyl Chloride	ND	**0.194**

SS-4	9/26/19
VOCs	
Trichloroethene	**200**
Cis-1,2-Dichloroethene	**36.2**
Tetrachloroethene	**2540**

IA-5	12/3/19
Analyte	
VOCs	
Carbon Tetrachloride	**0.497**
Trichloroethene	**0.124**
Cis-1,2-Dichloroethene	**0.773**
Tetrachloroethene	**1.8**
Vinyl Chloride	**0.061**

SS-9	12/3/19
VOCs	
Cis-1,2-Dichloroethene	**5.23**
Tetrachloroethene	**25.6**
Vinyl Chloride	**2.58**

SS-2	9/26/19
VOCs	
Tetrachloroethene	**22.9**

SS-7	12/3/19
VOCs	
Trichloroethene	**17.5**
Cis-1,2-Dichloroethene	**2.03**
Tetrachloroethene	**629**

IA-3	12/3/19	1/29/20
VOCs		
Carbon Tetrachloride	**0.465**	**0.44**
Trichloroethene	**0.328**	**0.134**
Cis-1,2-Dichloroethene	**1.1**	**1.52**
Tetrachloroethene	**5.21**	**1.5**
Vinyl Chloride	**0.069**	**0.097**

LEGEND

- SB-10 — APPROXIMATE SOIL BORING LOCATION AND DESIGNATION
- SB-3/ TW-3 — APPROXIMATE SOIL BORING AND TEMPORARY WELL LOCATION AND DESIGNATION
- IA-3 — APPROXIMATE INDOOR AIR LOCATION AND DESIGNATION
- SS-7 — APPROXIMATE SUB-SLAB VAPOR LOCATION AND DESIGNATION
- AA-2 — APPROXIMATE AMBIENT AIR SAMPLE LOCATION AND DESIGNATION

TYPICAL DATA BOX INFORMATION

SAMPLE ID#	SS-3	9/26/19	SAMPLE DATE
	VOCs		
ANALYTES	Trichloroethene	**11**	CONCENTRATION (µg/m³)
	Cis-1,2-Dichloroethene	**70.6**	
	Tetrachloroethene	**71.2**	
	Methylene Chloride	**9.03**	
	Vinyl Chloride	**111**	

SUB-SLAB VAPOR DATA

INDOOR AIR DATA

AMBIENT AIR DATA

Concentrations in µg/m³

µg/m³ - Micrograms per cubic meter

* - NYSDOH CEH BEEI Soil Vapor Intrusion Guidance of October 2006

NYSDOH - New York State Department of Health

CEH - Center for Environmental Health

BEEI - Bureau of Environmental Exposure Investigation

VOCs - Volatile Organic Compounds

ND - Compound was analyzed for but not detected

Results shown in **bold** have been detected

NOTE:

ONLY DETECTIONS OF THE EIGHT COMPOUNDS SHOWN IN THE NYSDOH GUIDANCE MATRICES A, B, C ARE SHOWN IN THE DATA BOXES. ADDITIONAL DETECTIONS CAN BE REVIEWED ON TABLES 4, 5, AND 6.

N

15' 0 15'

Title:

DETECTIONS OF VOCs IN SUB-SLAB SOIL VAPOR, CELLAR INDOOR AIR, AND AMBIENT AIR

Prepared for:

11-20 46TH ROAD OWNER LLC

ROUX

Compiled by: B.H.	Date: 04FEB20	FIGURE 1
Prepared by: B.H.C.	Scale: AS SHOWN	
Project Mgr: R.H.	Project: 3371.001Y000	
File: 3371.0001Y114.01.DWG		

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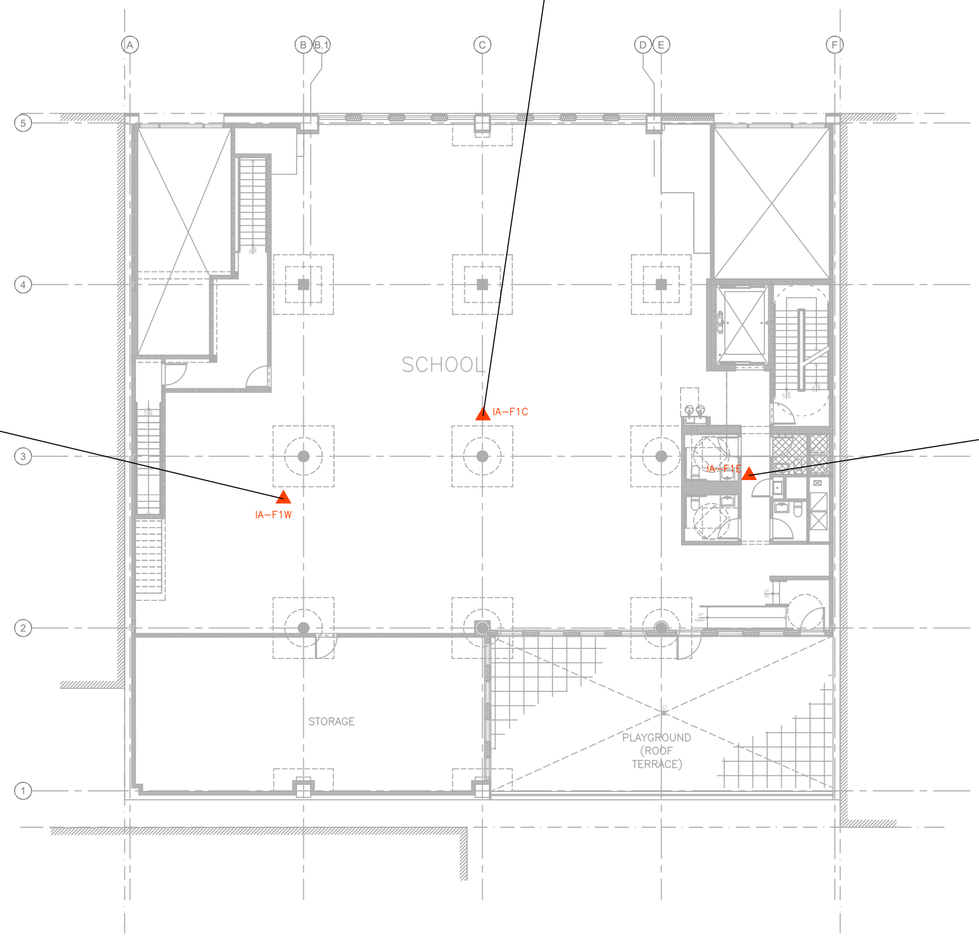
IA-F1C	1/29/20
VOCs	
Carbon tetrachloride	**0.403**
Tetrachloroethene	**0.251**

IA-F1W	12/3/19
VOCs	
Carbon Tetrachloride	**0.472**
Trichloroethene	**0.161**
Cis-1,2-Dichloroethene	**0.381**
Tetrachloroethene	**1.78**

IA-F1E	12/3/19
VOCs	
Carbon Tetrachloride	**0.447**
Trichloroethene	**0.226**
Cis-1,2-Dichloroethene	**0.547**
Tetrachloroethene	**3.62**



LEGEND

IA–F1E ▲ APPROXIMATE INDOOR AIR LOCATION AND DESIGNATION

TYPICAL DATA BOX INFORMATION

SAMPLE ID#	IA-F1E	12/3/19	SAMPLE DATE
	VOCs		
ANALYTES	Carbon Tetrachloride	**0.447**	CONCENTRATION ($\mu g/m^3$)
	Trichloroethene	**0.226**	
	Cis-1,2-Dichloroethene	**0.547**	
	Tetrachloroethene	**3.62**	

INDOOR AIR DATA

Concentrations in $\mu g/m^3$

$\mu g/m^3$ - Micrograms per cubic meter
* - NYSDOH CEH BEEI Soil Vapor Intrusion Guidance of October 2006
NYSDOH - New York State Department of Health
CEH - Center for Environmental Health
BEEI - Bureau of Environmental Exposure Investigation
VOCs - Volatile Organic Compounds

Results shown in **bold** have been detected

NOTE:

ONLY DETECTIONS OF THE EIGHT COMPOUNDS SHOWN IN THE NYSDOH GUIDANCE MATRICES A, B, C ARE SHOWN IN THE DATA BOXES. ADDITIONAL DETECTIONS CAN BE REVIEWED ON TABLES 4, 5, AND 6.

N

15' 0 15'

Title:

DETECTIONS OF VOCs IN FIRST FLOOR INDOOR AIR

Prepared for:

11-20 46TH ROAD OWNER LLC

ROUX

Compiled by: B.H.	Date: 04FEB20	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	2
Project Mgr: R.H.	Project: 3371.001Y000	
File: 3371.0001Y114.01.DWG		

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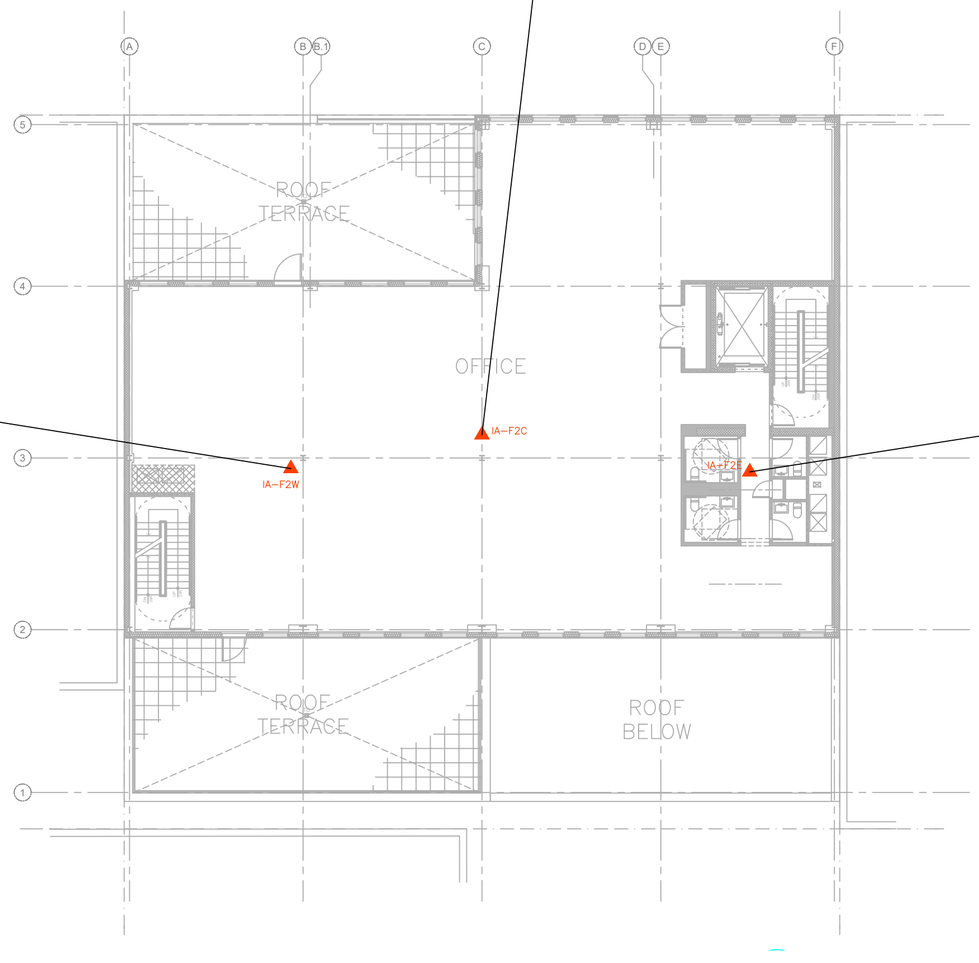
IA-F2C	1/29/20
VOCs	
Carbon tetrachloride	**0.365**
Tetrachloroethene	**0.136**



IA-F2W	12/3/19
VOCs	
Carbon Tetrachloride	**0.459**
Trichloroethene	**0.107**
Cis-1,2-Dichloroethene	**0.408**
Tetrachloroethene	**1.27**

IA-F2E	12/3/19
VOCs	
Carbon Tetrachloride	**0.465**
Trichloroethene	**0.285**
Cis-1,2-Dichloroethene	**0.813**
Tetrachloroethene	**3.28**
Vinyl Chloride	**0.102**

LEGEND

IA-F2E ▲ APPROXIMATEINDOOR AIR LOCATION AND DESIGNATION

TYPICAL DATA BOX INFORMATION

SAMPLE ID# →	IA-F2E	12/3/19	← SAMPLE DATE
	VOCs		
ANALYTES →	Carbon Tetrachloride	**0.465**	→ CONCENTRATION (µg/m³)
	Trichloroethene	**0.285**	
	Cis-1,2-Dichloroethene	**0.813**	
	Tetrachloroethene	**3.28**	
	Vinyl Chloride	**0.102**	

INDOOR AIR DATA

Concentrations in µg/m³

µg/m³ - Micrograms per cubic meter
* - NYSDOH CEH BEEI Soil Vapor Intrusion Guidance of October 2006
NYSDOH - New York State Department of Health
CEH - Center for Environmental Health
BEEI - Bureau of Environmental Exposure Investigation
VOCs - Volatile Organic Compounds

Results shown in **bold** have been detected

NOTE:

ONLY DETECTIONS OF THE EIGHT COMPOUNDS SHOWN IN THE NYSDOH GUIDANCE MATRICES A, B, C ARE SHOWN IN THE DATA BOXES. ADDITIONAL DETECTIONS CAN BE REVIEWED ON TABLES 4, 5, AND 6.

N

15' 0 15'

Title:

DETECTIONS OF VOCs IN SECOND FLOOR INDOOR AIR

Prepared for:

11-20 46TH ROAD OWNER LLC

ROUX

Compiled by: B.H.	Date: 04FEB20	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	3
Project Mgr: R.H.	Project: 3371.001Y000	
File: 3371.0001Y114.01.DWG		

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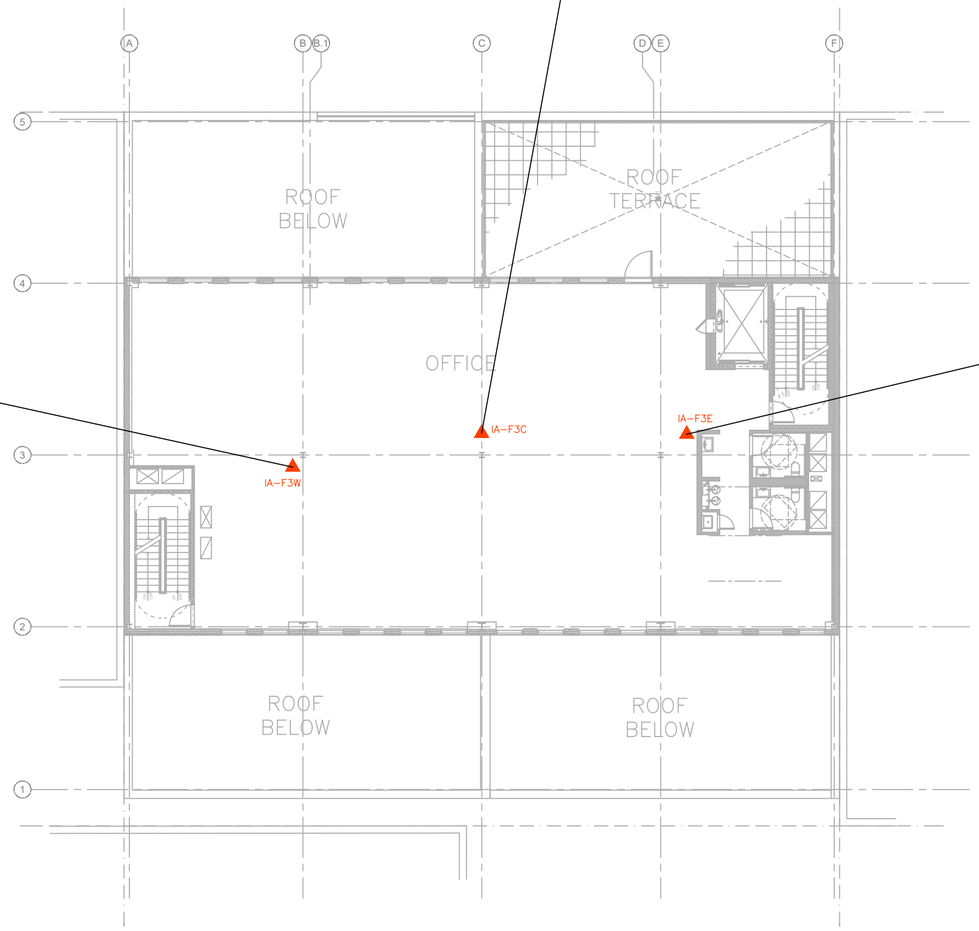
IA-F3C	1/29/20
VOCs	
Carbon tetrachloride	**0.384**
cis-1,2-Dichloroethene	**0.119**
Tetrachloroethene	**0.285**

IA-F3W	12/3/19
VOCs	
Carbon Tetrachloride	**0.415**
Trichloroethene	**0.231**
Cis-1,2-Dichloroethene	**0.884**
Tetrachloroethene	**3.21**
Vinyl Chloride	**0.056**

IA-F3E	12/3/19
VOCs	
Carbon Tetrachloride	**0.459**
Trichloroethene	**0.193**
Cis-1,2-Dichloroethene	**0.757**
Tetrachloroethene	**2.71**
Vinyl Chloride	**0.067**



LEGEND

IA-F3E ▲ APPROXIMATEINDOOR AIR LOCATION AND DESIGNATION

TYPICAL DATA BOX INFORMATION

SAMPLE ID# →	IA-F3E	12/3/19	← SAMPLE DATE
	VOCs		
ANALYTES →	Carbon Tetrachloride	**0.459**	← CONCENTRATION (µg/m³)
	Trichloroethene	**0.193**	
	Cis-1,2-Dichloroethene	**0.757**	
	Tetrachloroethene	**2.71**	
	Vinyl Chloride	**0.067**	

INDOOR AIR DATA

Concentrations in µg/m³

µg/m³ - Micrograms per cubic meter

* - NYSDOH CEH BEEI Soil Vapor Intrusion Guidance of October 2006

NYSDOH - New York State Department of Health

CEH - Center for Environmental Health

BEEI - Bureau of Environmental Exposure Investigation

VOCs - Volatile Organic Compounds

Results shown in **bold** have been detected

NOTE:

ONLY DETECTIONS OF THE EIGHT COMPOUNDS SHOWN IN THE NYSDOH GUIDANCE MATRICES A, B, C ARE SHOWN IN THE DATA BOXES. ADDITIONAL DETECTIONS CAN BE REVIEWED ON TABLES 4, 5, AND 6.

N

15' 0 15'

Title:

DETECTIONS OF VOCs IN THIRD FLOOR INDOOR AIR

Prepared for:

11-20 46TH ROAD OWNER LLC

ROUX

Compiled by: B.H.	Date: 04FEB20	FIGURE 4
Prepared by: B.H.C.	Scale: AS SHOWN	
Project Mgr: R.H.	Project: 3371.001Y000	
File: 3371.0001Y114.01.DWG		

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ATTACHMENT

Pre- and Post-Mitigation Photographs

Pre-Mitigation Photos

Pre-Mitigation Photos

Post-Mitigation Photos

Post-Mitigation Photos

Post-Mitigation Photos