247 North Avenue
New Rochelle, Westchester County, New York

Indoor Air Quality Report

AKRF Project Number: 200039

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FEBRUARY 2020

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1.0 INTRODUCTION

AKRF, Inc. (AKRF) conducted an Indoor Air Quality (IAQ) survey at the property located at 247 North Avenue in New Rochelle, Westchester County, New York, also known as Tax Block 231, Lot 19 (the "Site"). The Site location is shown on Figure 1. At the time of the sampling, the approximately 0.57 acre Site included a one-story building with a partial cellar and crawl space. The majority of the first floor was occupied by a Planned Parenthood clinic, with a smaller area occupied by an employment assistance agency (Westhab) in the western portion of the building; and the cellar contained storage and utilities. The surrounding area included primarily commercial and multifamily residential use.

Sampling activities were conducted to evaluate whether volatile organic compounds (VOCs) detected in soil vapor samples during a recent Phase II Environmental Site Assessment (ESA) have affected indoor air quality at the Site. The sampling activities included a pre-sampling inspection and chemical inventory, and the collection and laboratory analysis of six indoor air samples and one ambient (outdoor) air sample. The sampling methodology, results, and conclusions of the investigation are reported herein.

2.0 PREVIOUS INVESTIGATIONS

Phase II ESA, 247 North Avenue, New Rochelle, Westchester County, New York, SESI, November 2019

SESI Consulting Engineers D.P.C. (SESI) performed a Phase II ESA of the Site in November 2019, which included the review of Sanborn fire insurance maps and the installation of eleven soil borings and four temporary soil vapor points, with the collection of eleven soil samples and four soil vapor samples. All samples were collected from outside of the building footprint.

Semi-volatile organic compounds (SVOCs), primarily polycyclic aromatic hydrocarbons (PAHs), were detected in soil at levels above their respective New York State Department of Environmental Conservation (NYSDEC) restricted residential soil cleanup objective (RRSCO) values. Mercury was also detected slightly above its RRSCO value in two soil samples. Some elevated chlorinated solvent concentrations were detected in sample SV-3, including 1,1,1-trichloroethane (1,1,1-TCA) at 3,730 micrograms per cubic meter ($\mu g/m^3$), which exceeded the soil vapor concentration warranting mitigation based on the New York State Department of Health (NYSDOH) Soil Vapor/Indoor Air Decision Matrix B (https://www.health.ny.gov/environmental/indoors/vapor_intrusion/update.htm).

Based on the results, SESI recommended removal of the impacted soils and a long term mitigation plan to address soil vapor concerns for future planned development.

3.0 FIELD ACTIVITIES

All field activities were conducted by AKRF personnel. On February 2, 2020, AKRF completed a pre-sampling inspection, and collected six indoor air samples and one ambient (outdoor) air sample. The sample locations are shown on Figure 2.

3.1 Pre-Sampling Inspection and Chemical Inventory

On February 2, 2020, AKRF completed a pre-sampling inspection to confirm building conditions, air flow patterns, and other known factors that may affect indoor air quality. During the inspection, AKRF personnel also surveyed the cellar and first floor for evidence of chemical storage areas and inspected the cellar floor for cracks, penetrations, or other preferential pathways for vapor intrusion, such as floor drains and sumps. A photoionization detector (PID) capable of detecting VOCs in the

parts per billion (ppb) range was used to field-screen the proposed indoor air sample locations and the surrounding areas during the pre-sampling inspection for potential interferences with the materials stored within the building.

Some cleaning chemicals and antiseptic/sanitizing products were observed throughout the Planned Parenthood and Westhab facilities, and PID readings up to approximately 350 ppb were noted in the vicinity of IA-6 within the Westhab facility. The readings were suspected to be associated with the recent use of cleaning chemicals, and the PID readings dissipated to not detected (0 ppb) shortly after sampling began. No elevated PID responses were detected in the vicinity of the other indoor air sampling locations or other areas of the building during the inspection.

Minor cracking was noted in the cellar floor and a sump pit without a pump was present. The building heating, ventilation and air conditioning (HVAC) system was operating at normal capacity during the inspection and sampling.

During the inspection, AKRF completed a pre-sampling questionnaire based on an interview with Mr. Martin McNicholas, Planned Parenthood Vice President of IT and facilities for over 20 years. Mr. McNicholas answered pertinent questions about the building's age, construction characteristics, HVAC, and factors that may potentially influence indoor air quality. AKRF completed an inventory of cleaning chemicals and other products stored in the vicinity of the sample locations. The full questionnaire is provided as Appendix A.

3.2 Indoor and Ambient Air Sampling and Analysis

On February 2, 2020, six indoor air samples and one ambient (outdoor) air sample were collected in accordance with applicable procedures in the NYSDOH *Final Guidance on Soil Vapor Intrusion*, October 2006. The samples were collected from the crawl space/cellar and first floor, as shown on Figure 2 and summarized in Table 1 below. The samples were collected in batch-certified clean 6-liter Summa® canisters over approximately an 8-hour period. The indoor and outdoor air samples were collected at approximately four to five feet above the floor to simulate the breathing zone. After opening each canister, the initial vacuum reading (in inches of mercury) was noted. After the sample period, the final vacuum reading (inches of mercury) was noted and the canister was closed. The canisters were delivered under chain-of-custody control by courier to Alpha Analytical Laboratories in Mansfield, Massachusetts to be analyzed for VOCs using EPA Method TO-15. Copies of the indoor and ambient air sampling logs are included in Appendix B.

Table 1
Summary of IAQ Sampling Field Data

Sample ID	Location	Starting Vacuum (in Hg)	Completed Vacuum (in Hg)
IA-1	Cellar crawl space, western	-29.92	-6.75
IA-2	Cellar, southern	-29.98	-5.62
IA-3	Cellar, northeastern	-29.83	-6.23
IA-4	1st Floor, northeastern, Planned Parenthood post operation room	-30.37	-6.08
IA-5	1st Floor, southern, Planned Parenthood adjacent to managers office	-29.78	-5.96
IA-6	1st Floor, western, Westhab lecture area	-29.92	-5.71
AA-1	Exterior, parking lot	-30.33	-6.26

4.0 FINDINGS

The indoor and ambient air samples analytical results are summarized in the Table 2 (attached), and the complete analytical data report is provided in Appendix C. Indoor air sample analytical results were compared to the NYSDOH Indoor Air Guideline Values (AGVs) in the October 2006 NYSDOH *Final Guidance for Evaluating Soil Vapor Intrusion*, the September 2013 NYSDOH Fact Sheet update for tetrachloroethene (PCE), and the August 2015 Fact Sheet update for TCE. These documents establish AGVs for three of the VOCs analyzed (methylene chloride, PCE, and TCE). Results were also compared to indoor air background levels provided in Appendix C of the 2006 NYSDOH soil vapor intrusion guidance document (referred to as "NYSDOH background levels" herein).

4.1 Indoor Air Sampling Results

A review of the indoor air sampling analytical results indicated that 16 of the 63 VOCs analyzed utilizing USEPA Method TO-15 were detected in the samples, including: 1,1-dichloroethene, acetone, benzene, carbon tetrachloride, chloroform, chloromethane, cis-1,2-dichloroethene, dichlorofluoromethane, ethanol, isopropanol, PCE, toluene, trans-1,3-dichloropropene, trichlorofluoromethane, TCE, and vinyl chloride. TCE and PCE were detected at concentrations below their respective NYSDOH AGVs, and all other VOCs, except isopropanol, ethanol, and chloroform, were detected below the NYSDOH background levels.

The alcohols isopropanol and ethanol were detected above the NYSDOH background levels in each sample, with maximum values of 484 $\mu g/m^3$ (IA-1) and 529 $\mu g/m^3$ (IA-6), respectively. Chloroform was also detected above the NYSDOH background levels, with a maximum value of 59.6 $\mu g/m^3$ at IA-3. Isopropanol (a.k.a., isopropyl alcohol), ethanol (a.k.a., ethyl alcohol), and chloroform were not detected in the soil vapor samples collected during the November 2019 Phase II ESA, or were present at concentrations less than the corresponding indoor air levels. Therefore, their presence in the indoor air samples is not likely attributable to soil vapor intrusion, and is likely related to the use of alcohol-containing sterilizers and antiseptic products in the Site building or, in the case of chloroform, potentially the interaction of bleach with other compounds present in disinfection products and/or in the indoor air.

The chlorinated solvent 1,1,1-TCA, which was detected at elevated levels in soil vapor during the recent Phase II ESA, was not detected in any of the indoor air samples.

4.2 Ambient (Outdoor) Air

The analytical results indicated that only four of the VOCs detected in indoor air (acetone, carbon tetrachloride, chloromethane, and dichlorodifluoromethane) were also detected in the ambient air sample at relatively lower concentrations ranging from 0.541 to 3.94 $\mu g/m^3$. These results suggest that ambient air conditions were not affecting indoor air quality at the time of the sampling.

5.0 CONCLUSIONS

AKRF conducted an Indoor Air Quality survey at the Site located at 247 North Avenue, Westchester County, New York (see Figures 1 and 2). Sampling activities were conducted to evaluate whether volatile organic compounds (VOCs) detected in soil vapor samples during a November 2019 Phase II Environmental Site Assessment (performed by others) have affected indoor air quality at the Site. The sampling activities were conducted on February 2, 2020 and included: a pre-sampling inspection and chemical inventory; and the collection and laboratory analysis of six indoor air samples and one ambient (outdoor) air sample.

Indoor air sample analytical results were compared to the Air Guideline Values (AGVs) in the 2006 NYSDOH *Final Guidance for Evaluating Soil Vapor Intrusion,* the September 2013 NYSDOH Fact Sheet update for tetrachloroethene (PCE), and the August 2015 Fact Sheet update for trichloroethene (TCE). These documents establish AGVs for three of the VOCs analyzed (methylene chloride, PCE, and TCE). Results were also compared to indoor air background levels provided in Appendix C of the 2006 NYSDOH soil vapor intrusion guidance document.

Isopropanol, ethanol, and chloroform were detected above NYSDOH background levels in the indoor air samples; however, their presence is likely attributable to the use of sanitizers, antiseptics, and bleach in the Site building, and not to soil vapor intrusion. All other detected VOC concentrations were below their respective NYSDOH AGVs and/or background levels.

The chlorinated solvent 1,1,1-TCA, which was previously detected in soil vapor above the NYSDOH Soil Vapor/Indoor Air Decision Matrix B concentration indicating mitigation, was not detected in any of the indoor air samples.

6.0 LIMITATIONS

The findings set forth in this report are strictly limited in scope and time to the date of the evaluation described herein. The conclusions and recommendations presented in the report are based solely on the services and any limitations described in this report.

This report may contain conclusions that are based on the analysis of data collected at the time and locations noted in the report through intrusive or non-intrusive sampling. However, further investigation might reveal additional data or variations of the current data, which may differ from our understanding of the conditions presented in this report and require the enclosed recommendations to be reevaluated or modified.

Chemical analyses may have been performed for specific parameters during the course of this investigation, as summarized in the text and tables. It should be noted that additional chemical constituents, not searched for during this investigation, may be present at the site. Due to the nature of the investigation and the limited data available, no warranty, expressed or implied, shall be construed with respect to undiscovered liabilities. The presence of biological hazards, radioactive materials, lead-based paint and asbestos-containing materials was not investigated, unless specified in the report.

Interpretations of the data, including comparison to regulatory standards, guidelines or background values, are not opinions that these comparisons are legally applicable. Furthermore, any conclusions or recommendations should not be construed as legal advice, or as an evaluation of reporting obligations or other regulatory compliance requirements. Disturbance, handling, transportation, storage and disposal of known or potentially contaminated materials is subject to all applicable laws, which may or may not be fully described as part of this report.

The analytical data, conclusions, and/or recommendations provided in this report should not be construed in any way as a classification of waste that may be generated during any future disturbance of the Property. Waste(s) generated at the site including excess fill may be considered regulated solid waste and potentially hazardous waste. Requirements for intended disposal facilities should be determined beforehand as the data provided in this report may be insufficient and could vary following additional sampling.

This report may be based solely or partially on data collected, conducted, and provided by, AKRF and/or others. No warranty is expressed or implied by usage of such data. Such data may be included in other investigation reports or documentation. In addition, these reports may have been based upon available previous reports, historical records, documentation from federal, state and local government agencies, personal interviews, and geological mapping. This report is subject, at a minimum, to the limitations of the previous reports, historical documents, availability and accuracy of collected documentation, and personal recollection of those persons interviewed. In certain instances, AKRF has been required to assume that the information provided is accurate with limited or no corroboratory evidence.

This report is intended for the use of 247 North Avenue Associates LLC, and its partners, affiliates, lenders, insurers, investors, successors and assignees. Reliance by third parties on the information and opinions contained herein is strictly prohibited and requires the written consent of AKRF and 247 North Avenue Associates LLC, AKRF accepts no responsibility for damages incurred by third parties for any decisions or actions taken based on this report. This report must be used, interpreted, and presented in its entirety.

7.0 REFERENCES

1. Phase II ESA – Proposed 247 North Avenue Development, 247 North Avenue, Westchester County, New York, SESI Consulting Engineers, November 1, 2019.
2. NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York Air Guideline Values (AGVs) and Table 3.3 Matrix A, Matrix B, and Matrix C tables of the Final Guidance in the State of New York, dated October 2006 ("NYSDOH Vapor Intrusion Guidance Document"), December 2006, updated May 2017.
3. Tetrachloroethene (PERC) in Indoor and Outdoor Air September 2013 Fact Sheet, New York State Department of Health Bureau of Toxic Substance Assessment, September 2013.
4. Trichloroethene (TCE) in Indoor and Outdoor Air August 2015 Fact Sheet, New York State Department of Health Bureau of Toxic Substance Assessment, August 2015.

TABLE 2

Table 2
247 North Avenue
New Rochelle, Westchester County, NY
IAQ Survey
Indoor and Ambient Air Analytical Results of Volatile Organic Compounds (VOCs)

Client ID Lab Sample ID Date Sampled Analyte	NYSDOH 2006 Soil Vapor Intrusion Air Guidance Value µg/m³	NYSDOH 2003 Upper Fence Indoor µg/m³	EPA 2001 BASE 90th Percentile Indoor µg/m³	NYSDOH 2005 HEI RIOPA 95th Percentile Indoor µg/m³	AA-1_20200202 L2004675-01 2/2/2020	IA-1_20200202 L2004675-02 2/2/2020	IA-2_20200202 L2004675-03 2/2/2020	IA-3_20200202 L2004675-04 2/2/2020
1,1,1-Trichloroethane	NS	2.5	20.6	NS	0.109 U	0.109 U	0.109 U	0.109 U
1,1,2,2-Tetrachloroethane	NS	0.4	NS	NS	1.37 U	1.37 U	1.37 U	1.37 U
1,1,2-Trichloroethane	NS	0.4	<1.5	NS	1.09 U	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	NS	0.4	<0.7	NS	0.809 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	NS	0.4	<1.4	NS	0.0793 U	0.0793 U	0.079	0.083
1,2,4-Trichlorobenzene	NS	0.5	<6.8	NS	1.48 U	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	NS	9.8	9.5	NS	0.983 U	0.983 U	0.983 U	0.983 U
1,2-Dibromoethane	NS	0.4	<1.5	NS	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	NS	0.5	<1.2	NS	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	NS	0.4	<0.9	NS	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	NS	0.4	<1.6	NS	0.924 U	0.924 U	0.924 U	0.924 U
1,3,5-Trimethylbenzene	NS	3.9	3.7	NS	0.983 U	0.983 U	0.983 U	0.983 U
1,3-Butadiene	NS	NS	<3.0	NS	0.442 U	0.442 U	0.442 U	0.442 U
1,3-Dichlorobenzene	NS	0.5	<2.4	NS	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	NS	1.2	5.5	344	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane	NS	NS	NS	NS	0.721 U	0.721 U	0.721 U	0.721 U
2,2,4-Trimethylpentane	NS	5	NS	NS	0.934 U	0.934 U	0.934 U	0.934 U
2-Butanone	NS	16	12	NS	1.47 U	1.47 U	1.47 U	1.47 U
2-Hexanone	NS	NS	NS	NS	0.82 U	0.82 U	0.82 U	0.82 U
3-Chloropropene	NS	NS	NS	NS	0.626 U	0.626 U	0.626 U	0.626 U
4-Ethyltoluene	NS	NS	3.6	NS	0.983 U	0.983 U	0.983 U	0.983 U
4-Methyl-2-pentanone	NS	1.9	6	NS	2.05 U	2.05 U	2.05 U	2.05 U
Acetone	NS	115	98.9	45.8	3.94	21.2	43.9	43.5
Benzene	NS	13	9.4	10	0.639 U	1.26	1.18	1.16
Benzyl chloride	NS	NS	<6.8	NS	1.04 U	1.04 U	1.04 U	1.04 U
Bromodichloromethane	NS	NS	NS	NS	1.34 U	1.34 U	1.34 U	1.34 U
Bromoform	NS	NS	NS	NS	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane	NS	0.5	<1.7	NS	0.777 U	0.777 U	0.777 U	0.777 U
Carbon disulfide	NS	NS	4.2	NS	0.623 U	0.623 U	0.623 U	0.623 U
Carbon tetrachloride	NS	1.3	<1.3	1.1	0.541	0.579	0.956	0.937
Chlorobenzene	NS	0.4	<0.9	NS	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane	NS	0.4	<1.1	NS	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform	NS	1.2	1.1	6.34	0.977 U	9.47	58.1	59.6
Chloromethane	NS	4.2	3.7	NS	0.791	0.909	1.21	1.08
cis-1,2-Dichloroethene	NS	0.4	<1.9	NS	0.0793 U	0.0793 U	0.0793 U	0.0793 U
cis-1,3-Dichloropropene	NS	0.4	<2.3	NS	0.908 U	0.908 U	0.908 U	0.908 U
Cyclohexane	NS	6.3	NS	NS	0.688 U	0.688 U	0.688 U	0.688 U
Dibromochloromethane	NS	NS	NS	NS	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	NS	10	16.5	NS	1.82	2.02	1.95	1.78
Ethanol	NS	1300	210	NS	9.42 U	467	452	431
Ethyl Acetate	NS	NS	5.4	NS	1.8 U	1.8 U	1.8 U	1.8 U
Ethylbenzene	NS	6.4	5.7	7.62	0.869 U	0.869 U	0.869 U	0.869 U
Freon-113	NS	2.5	3.5	NS	1.53 U	1.53 U	1.53 U	1.53 U
Freon-114	NS	0.4	<6.8	NS	1.4 U	1.4 U	1.4 U	1.4 U
Heptane	NS	18	NS	NS	0.82 U	0.82 U	0.82 U	0.82 U
Hexachlorobutadiene	NS	0.5	<6.8	NS	2.13 U	2.13 U	2.13 U	2.13 U
Isopropanol	NS	NS	250	NS	1.23 U	484	472	447
Methyl tert butyl ether	NS	14	11.5	36	0.721 U	0.721 U	0.721 U	0.721 U
Methylene chloride	60	16	10	7.5	1.74 U	1.74 U	1.74 U	1.74 U
n-Hexane	NS	14	10.2	NS	0.705 U	0.705 U	0.705 U	0.705 U
o-Xylene	NS	7.1	7.9	7.24	0.869 U	0.869 U	0.869 U	0.869 U
p/m-Xylene	NS	11	22.2	22.2	1.74 U	1.74 U	1.74 U	1.74 U
Styrene	NS	1.4	1.9	5.13	0.852 U	0.852 U	0.852 U	0.852 U
Tertiary butyl Alcohol	NS	NS	NS	NS	1.52 U	1.52 U	1.52 U	1.52 U
Tetrachloroethene	30	2.5	15.9	6.01	0.136 U	0.142	0.17	0.17
Tetrahydrofuran	NS	0.8	NS	NS	1.47 U	1.47 U	1.47 U	1.47 U
Toluene	NS	57	43	39.8	0.754 U	0.92	0.965	0.999
trans-1,2-Dichloroethene	NS	NS	NS	NS	0.793 U	0.793 U	0.793 U	0.793 U
trans-1,3-Dichloropropene	NS	NC	<1.3	NS	0.908 U	0.908	0.908 U	0.908 U
Trichloroethene	2	0.5	4.2	1.36	0.107 U	0.124	0.107 U	0.107 U
Trichlorofluoromethane	NS	12	18.1	NS	1.12 U	1.15	1.12 U	1.12 U
Vinyl bromide	NS	NS	NS	NS	0.874 U	0.874 U	0.874 U	0.874 U
Vinyl chloride	NS	0.4	<1.9	NS	0.0511 U	0.0511 U	0.406	0.366

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Client ID Lab Sample ID Date Sampled Analyte	NYSDOH 2006 Soil Vapor Intrusion Air Guidance Value µg/m^3	NYSDOH 2003 Upper Fence Indoor µg/m^3	EPA 2001 BASE 90th Percentile Indoor µg/m^3	NYSDOH 2005 HEI RIOPA 95th Percentile Indoor µg/m^3	IA-4_20200202 L2004675-05 2/2/2020	IA-5_20200202 L2004675-06 2/2/2020	IA-6_20200202 L2004675-07 2/2/2020
1,1,1-Trichloroethane	NS	2.5	20.6	NS	0.109 U	0.109 U	0.109 U
1,1,2,2-Tetrachloroethane	NS	0.4	NS	NS	1.37 U	1.37 U	1.37 U
1,1,2-Trichloroethane	NS	0.4	<1.5	NS	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	NS	0.4	<0.7	NS	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	NS	0.4	<1.4	NS	0.0793 U	0.0793 U	0.0793 U
1,2,4-Trichlorobenzene	NS	0.5	<6.8	NS	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	NS	9.8	9.5	NS	0.983 U	0.983 U	0.983 U
1,2-Dibromoethane	NS	0.4	<1.5	NS	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	NS	0.5	<1.2	NS	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	NS	0.4	<0.9	NS	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	NS	0.4	<1.6	NS	0.924 U	0.924 U	0.924 U
1,3,5-Trimethylbenzene	NS	3.9	3.7	NS	0.983 U	0.983 U	0.983 U
1,3-Butadiene	NS	NS	<3.0	NS	0.442 U	0.442 U	0.442 U
1,3-Dichlorobenzene	NS	0.5	<2.4	NS	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	NS	1.2	5.5	344	1.2 U	1.2 U	1.2 U
1,4-Dioxane	NS	NS	NS	NS	0.721 U	0.721 U	0.721 U
2,2,4-Trimethylpentane	NS	5	NS	NS	0.934 U	0.934 U	0.934 U
2-Butanone	NS	16	12	NS	1.47 U	1.47 U	1.47 U
2-Hexanone	NS	NS	NS	NS	0.82 U	0.82 U	0.82 U
3-Chloropropene	NS	NS	NS	NS	0.626 U	0.626 U	0.626 U
4-Ethyltoluene	NS	NS	3.6	NS	0.983 U	0.983 U	0.983 U
4-Methyl-2-pentanone	NS	1.9	6	NS	2.05 U	2.05 U	2.05 U
Acetone	NS	115	98.9	45.8	23	13.4	16.1
Benzene	NS	13	9.4	10	1.11	1.29	0.955
Benzyl chloride	NS	NS	<6.8	NS	1.04 U	1.04 U	1.04 U
Bromodichloromethane	NS	NS	NS	NS	1.34 U	1.34 U	1.34 U
Bromoform	NS	NS	NS	NS	2.07 U	2.07 U	2.07 U
Bromomethane	NS	0.5	<1.7	NS	0.777 U	0.777 U	0.777 U
Carbon disulfide	NS	NS	4.2	NS	0.623 U	0.623 U	0.623 U
Carbon tetrachloride	NS	1.3	<1.3	1.1	0.679	0.554	0.566
Chlorobenzene	NS	0.4	<0.9	NS	0.921 U	0.921 U	0.921 U
Chloroethane	NS	0.4	<1.1	NS	0.528 U	0.528 U	0.528 U
Chloroform	NS	1.2	1.1	6.34	24.1	9.38	4.82
Chloromethane	NS	4.2	3.7	NS	0.942	0.933	0.84
cis-1,2-Dichloroethene	NS	0.4	<1.9	NS	0.0793 U	0.0793 U	0.095
cis-1,3-Dichloropropene	NS	0.4	<2.3	NS	0.908 U	0.908 U	0.908 U
Cyclohexane	NS	6.3	NS	NS	0.688 U	0.688 U	0.688 U
Dibromochloromethane	NS	NS	NS	NS	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	NS	10	16.5	NS	1.83	1.87	1.93
Ethanol	NS	1300	210	NS	349	296	529
Ethyl Acetate	NS	NS	5.4	NS	1.8 U	1.8 U	1.8 U
Ethylbenzene	NS	6.4	5.7	7.62	0.869 U	0.869 U	0.869 U
Freon-113	NS	2.5	3.5	NS	1.53 U	1.53 U	1.53 U
Freon-114	NS	0.4	<6.8	NS	1.4 U	1.4 U	1.4 U
Heptane	NS	18	NS	NS	0.82 U	0.82 U	0.82 U
Hexachlorobutadiene	NS	0.5	<6.8	NS	2.13 U	2.13 U	2.13 U
Isopropanol	NS	NS	250	NS	401	293	403
Methyl tert butyl ether	NS	14	11.5	36	0.721 U	0.721 U	0.721 U
Methylene chloride	60	16	10	7.5	1.74 U	1.74 U	1.74 U
n-Hexane	NS	14	10.2	NS	0.705 U	0.705 U	0.705 U
o-Xylene	NS	7.1	7.9	7.24	0.869 U	0.869 U	0.869 U
p/m-Xylene	NS	11	22.2	22.2	1.74 U	1.74 U	1.74 U
Styrene	NS	1.4	1.9	5.13	0.852 U	0.852 U	0.852 U
Tertiary butyl Alcohol	NS	NS	NS	NS	1.52 U	1.52 U	1.52 U
Tetrachloroethene	30	2.5	15.9	6.01	0.156	0.136 U	0.176
Tetrahydrofuran	NS	0.8	NS	NS	1.47 U	1.47 U	1.47 U
Toluene	NS	57	43	39.8	1.09	0.78	0.987
trans-1,2-Dichloroethene	NS	NS	NS	NS	0.793 U	0.793 U	0.793 U
trans-1,3-Dichloropropene	NS	NC	<1.3	NS	0.908 U	0.908 U	0.908 U
Trichloroethene	2	0.5	4.2	1.36	0.107 U	0.107 U	0.134
Trichlorofluoromethane	NS	12	18.1	NS	1.12 U	1.12 U	1.12 U
Vinyl bromide	NS	NS	NS	NS	0.874 U	0.874 U	0.874 U
Vinyl chloride	NS	0.4	<1.9	NS	0.125	0.061	0.0511 U

Table 2
247 North Avenue
New Rochelle, Westchester County, NY
IAQ Survey
Notes

GENERAL

U : The analyte was not detected at the indicated concentration.

NS : No standard.

SOIL VAPOR

NYSDOH Soil Vapor Intrusion Air Guidance Value : NYSDOH Air Guidance Values (AGVs) presented in the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006 ("NYSDOH Vapor Intrusion Guidance Document"), updated September 2013 for change of AGV for PCE and August 2015 for TCE.

NYSDOH 2003 Upper Fence : Upper fence indoor air values from "Table C1. NYSDOH 2003: Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes," published in the NYSDOH Soil Vapor Intrusion Guidance Document,

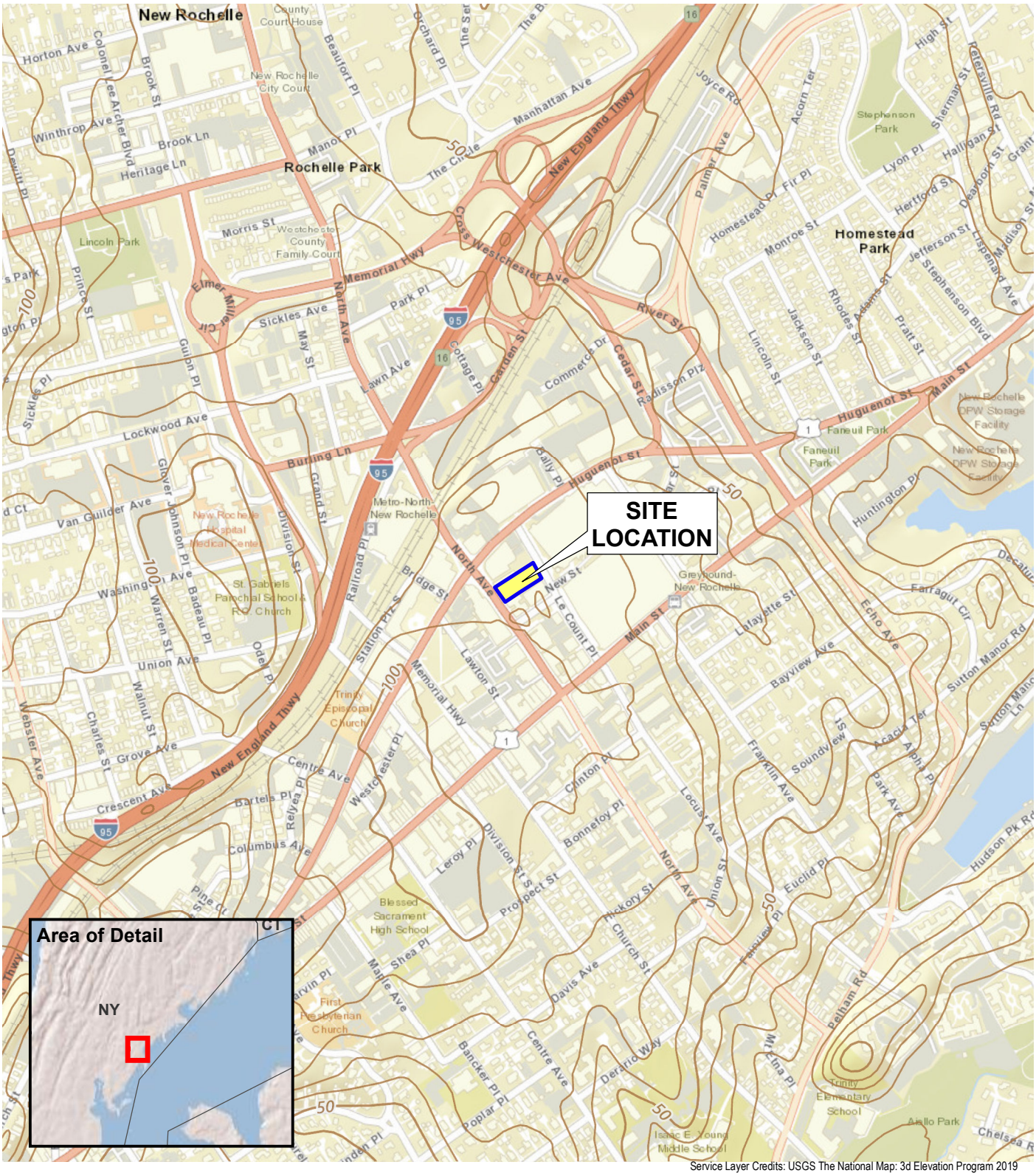
EPA 2001 BASE 90th percentile : 90th Percentile indoor air values from "Table C-2. EPA 2001: Building Assessment and Survey Evaluation (BASE) Database, SUMMA canister method," published in the NYSDOH Soil Vapor Intrusion Guidance Document, Appendix C" (October 2006).

HEI RIOPA 2005 95th percentile : 95th Percentile Indoor Air Values from Table C-5, Health Effects Institute (HEI) 2005: Relationship of Indoor, Outdoor and Personal Air, published in the NYSDOH Soil Vapor Intrusion Guidance Document, Appendix C" (October 2006).

$\mu g/m^3$: micrograms per cubic meter of air

Exceedances of NYSDOH Soil Vapor Intrusion Air Guidance Values are highlighted in bold font.

FIGURES



0 800 1,600

SCALE IN FEET

AKRF

440 Park Avenue South, New York, NY 10016

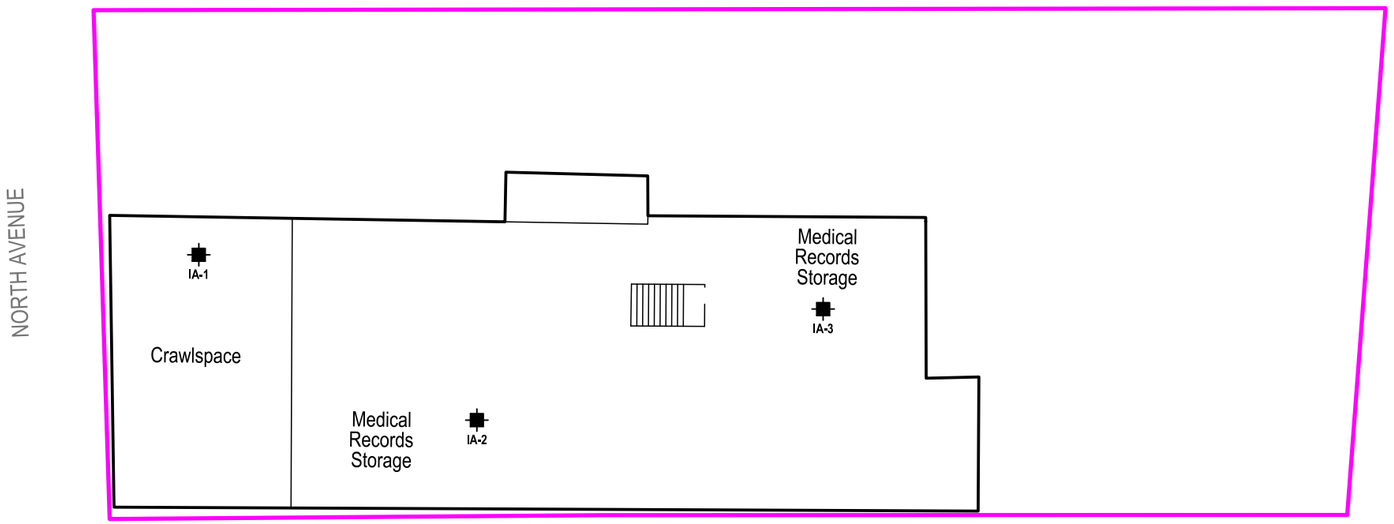
247 North Avenue
New Rochelle, New York

SITE LOCATION

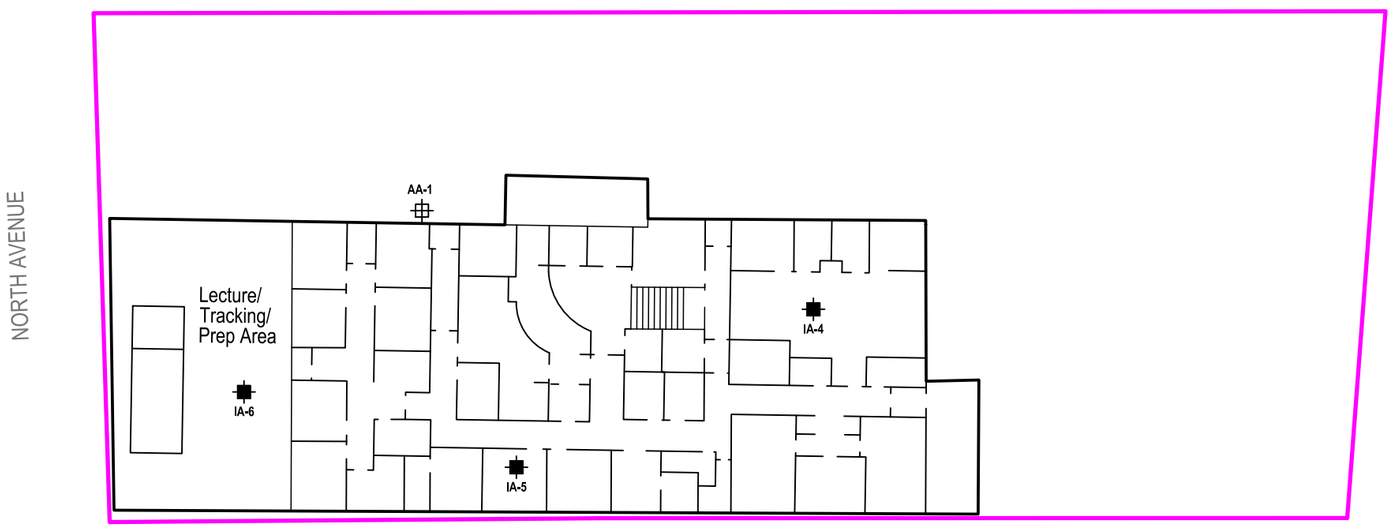
DATE
2/12/2020

PROJECT NO.
200039

FIGURE
1



CELLAR FLOOR



FIRST FLOOR

LEGEND

- PROJECT SITE BOUNDARY
- APPROXIMATE INDOOR AIR SAMPLE LOCATION
- APPROXIMATE AMBIENT AIR SAMPLE LOCATION

0 15 30 60

APPROXIMATE SCALE IN FEET

AKRF
440 Park Avenue South, New York, NY 10016

247 North Avenue
New Rochelle, New York

IAQ SAMPLE LOCATIONS

DATE
2/12/2020

PROJECT NO.
200039

FIGURE
2

APPENDIX A

NYSDOH PRE INSPECTION SURVEY

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name Steve Schmid Date/Time Prepared 2/2/20

Preparer's Affiliation AICRF, Inc. Phone No. 914-400-9736

Purpose of Investigation IAQ / property transfer

1. OCCUPANT: / Building Informant

Interviewed: (Y) / N

Last Name: McNicholas First Name: Martin

Address: 247 North Avenue, New Rochelle, NY

County: Westchester

Home Phone: 914-354-0785 Office Phone: →

Number of Occupants/persons at this location _____ Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant ___)

Interviewed: Y / (N)

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential School Commercial/Multi-use
Industrial Church Other: _____

Planned Parenthood Westhab (job assistance)

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) planned parenthood + westhaus sds assistance

Does it include residences (i.e., multi-use)? Y / (N) If yes, how many? _____

Other characteristics:

Number of floors 1 +basement Building age NA pre 1998

Is the building insulated? (Y) / N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

stairwells

Airflow near source

no source identified

Outdoor air infiltration

minimal @ doors + windows

Infiltration into air ducts

HVAC in ceiling → roof

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	(concrete)	stone	brick
b. Basement type:	2/3 (full)	1/3 (crawlspace)	slab	other _____
c. Basement floor:	(concrete)	dirt	stone	other _____
d. Basement floor:	(uncovered)	covered	covered with _____	
e. Concrete floor:	unsealed	sealed	(sealed with) tile + carpet w/ mastic	
f. Foundation walls:	(poured — block) ?		stone	other _____
g. Foundation walls:	unsealed	sealed	(sealed with) stucco	
h. The basement is:	wet	(damp)	dry	moldy (pipe break early in week)
i. The basement is:	finished	(unfinished)	partially finished	
j. Sump present?	(Y / N)	sump pit only		
k. Water in sump?	(Y) / N / not applicable	minor (possibly from pipe break)		

Basement/Lowest level depth below grade: ~10 (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

sump pit, minor cracks, crawl space / utility entry points

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

(Hot air circulation)	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

(Natural Gas)	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: natral gas

Boiler/furnace located in: Basement Outdoors Main Floor (Other) roof

Air conditioning: (Central Air) Window units Open Windows None

Are there air distribution ducts present? (Y) N

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

good condition in ceiling plenum of walls + rooms on 1st FL, vents lead to roof HVAC. Ducts are unable to view

7. OCCUPANCY

Is basement/lowest level occupied? Full-time Occasionally Seldom (Almost Never)

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	Storage + utilities
1st Floor	planned parenthood + wet lab (medical + job assistance)
2nd Floor	
3rd Floor	
4th Floor	

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify _____

d. Has the building ever had a fire? Y / (N) When? _____

e. Is a kerosene or unvented gas space heater present? Y / (N) Where? _____

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type? _____

g. Is there smoking in the building? Y / (N) How frequently? _____

h. Have cleaning products been used recently? (Y) N When & Type? floor cleaner + bleach (basement) ~1 week ago; tysol countertops

i. Have cosmetic products been used recently? Y / (N) When & Type? _____

j. Has painting/staining been done in the last 6 months? Y / (N) Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? Y / (N) When & Type? _____

m. Is there a kitchen exhaust fan? Y / (N) If yes, where vented? _____

n. Is there a bathroom exhaust fan? (Y) / N If yes, where vented? Roof

o. Is there a clothes dryer? Y / (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / (N) When & Type? _____

Are there odors in the building? (Y) / N
If yes, please describe: basement from sewer break smells damp

Do any of the building occupants use solvents at work? Y / (N)
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? unsure about lab cleaning equipment

If yes, are their clothes washed at work? Y / (N)

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

former 3rd party dry cleaning of scrubs/uniforms stopped use ~ 1+ month ago,

(Yes), use dry-cleaning regularly (weekly) — No
Yes, use dry-cleaning infrequently (monthly or less) — Unknown
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / N Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply:	(Public Water)	Drilled Well	Driven Well	Dug Well	Other: _____
Sewage Disposal:	(Public Sewer)	Septic Tank	Leach Field	Dry Well	Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency) NA

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

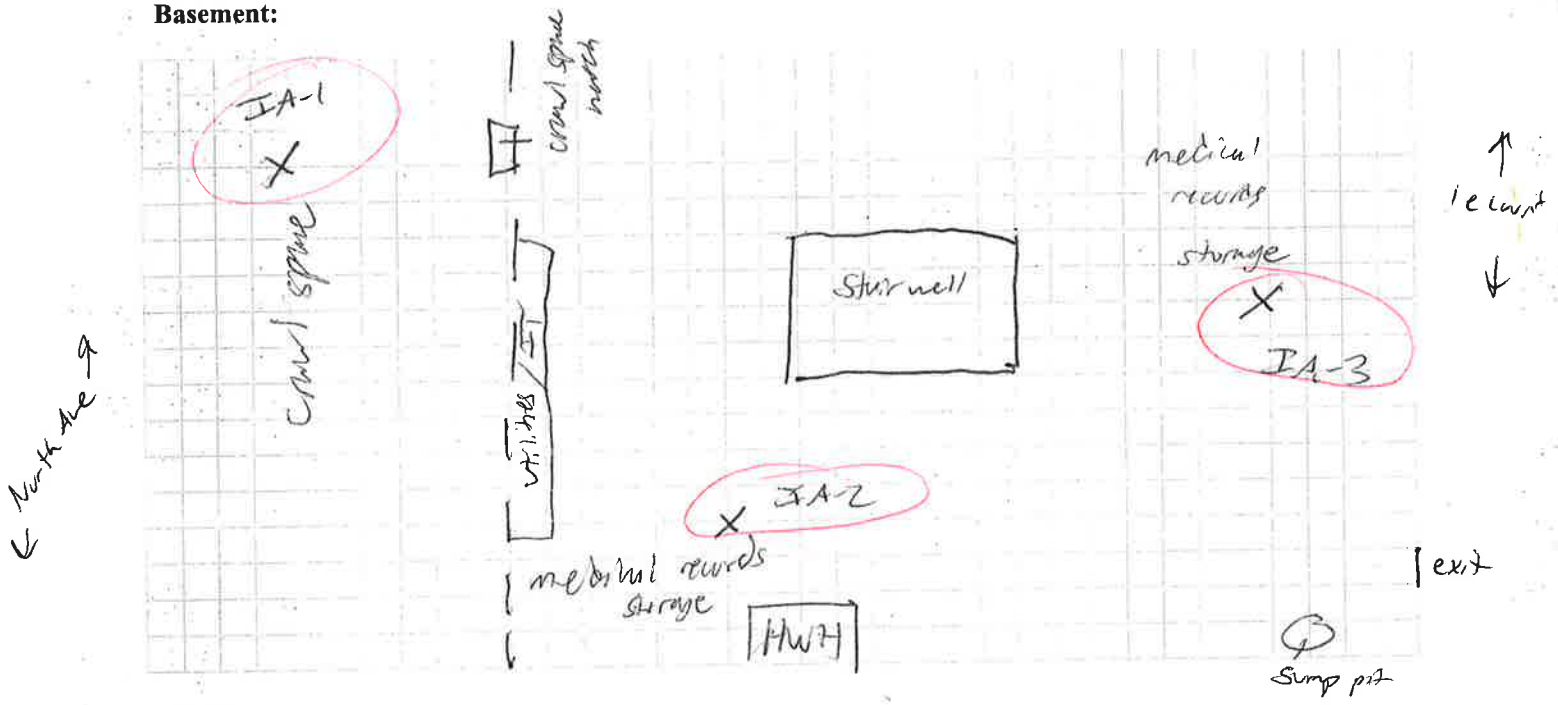
c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

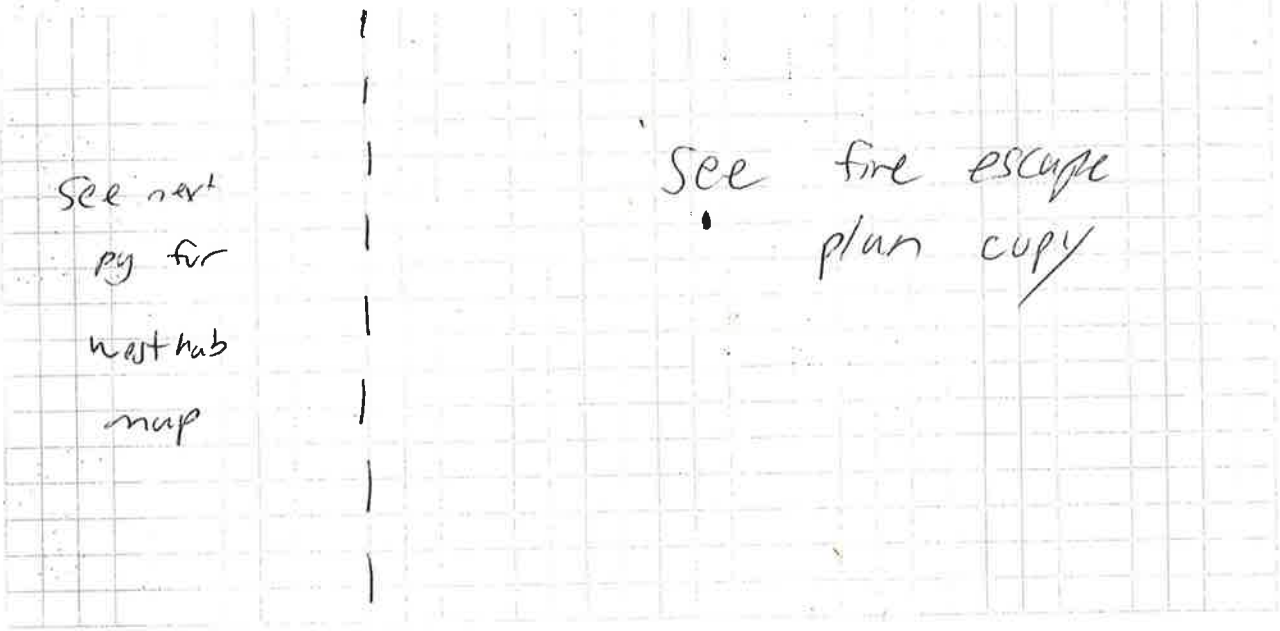
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:



First Floor:

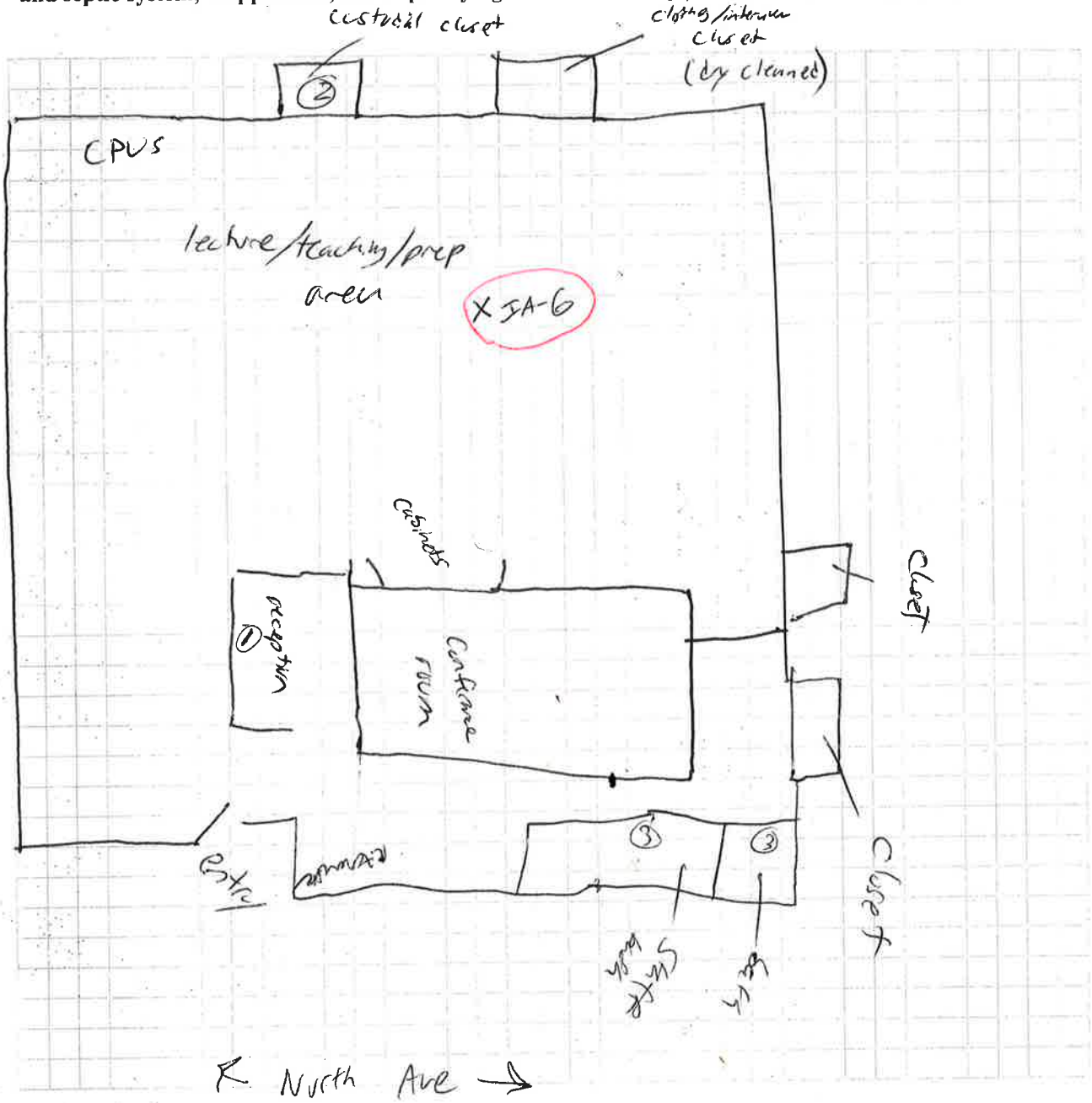


first FL (west hall)

12. ~~OUTDOOR PLOT~~

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.



13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: PPb rae 3000

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N
1-WH	2- purell	8oz	U	see photos	ND	Y
2-WH	12- purell	8oz	UO	↓	↓	↓
2-WH	7- chlorox disinfecting wipes	9.1 oz	UO	↓	↓	↓
2-WH	1- windex	1 gal	U	↓	↓	↓
2-WH	3- chlorox bleach	1 gal	U/UO	↓	↓	↓
2-WH	2-fabuloso floor cleaner	5L	U/UO	↓	↓	↓
2-WH	4- clorox toilet cleaner	24oz	U/UO	↓	↓	↓
↓	3- febreeze air freshener	8.8oz	U/UO	↓	↓	↓
↓	1- lysol spray	22oz	U	↓	↓	↓
3-WH	1- febreeze	—		↓	↓	↓
3-WH	1- green odor absorbant	5oz	U	↓	↓	↓
4-PP	1-super sani cloth	2 lb	U	↓	↓	↓
4-PP	1-purell	—		↓	↓	↓
4-PP	1- KOH	2oz?	U	↓	↓	↓
5-PP	5 spic and span 3 in 1	32oz	UO	↓	↓	↓
5-PP	9- sustainable earth glass cleaner	32oz	UO	↓	↓	↓
5-PP	23- sustainable earth toilet/urinal cleaner	1 QT	UO	↓	↓	↓
5-PP	4- lemon PC plus cleaner disinfect	1 gal	UO	↓	↓	↓
5-PP	2- expo board cleaner	22oz	U/UO	↓	↓	↓

5-6 purell UO

5-5 super sani cloth UO

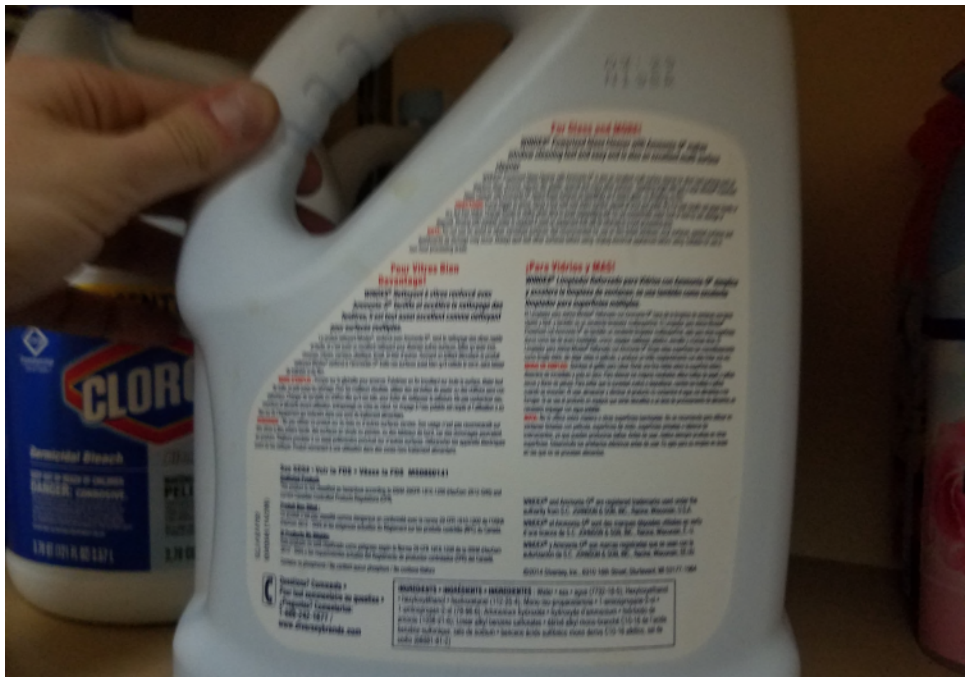
* Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must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

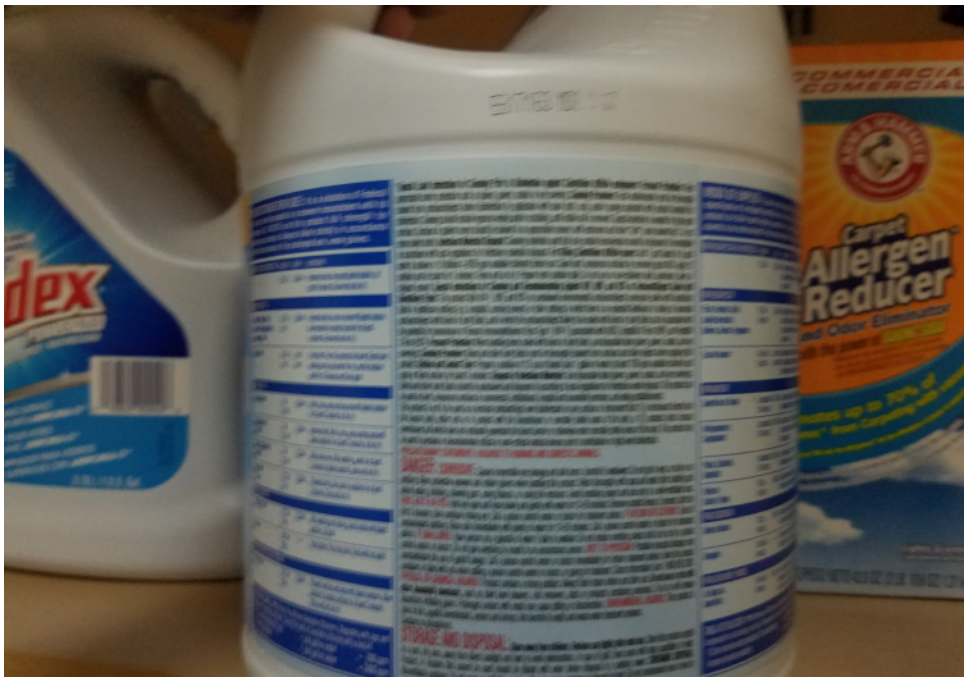
6 - 6 clorox wipes UO
4 - febreeze UO
1 - shutter fluid 42oz UO

7 - 8 speed clean 22oz UO/U
8 - 2 lemon PC
20 toilet urinal
1 - glass
1 - 8oz goo gone U


CONCENTRATED
CLOROX
Commercial Solutions
Germicidal Bleach,
Blanqueador Germicida
KEEP OUT OF REACH OF CHILDREN
DANGER: CORROSIVE.
MANTÉNGASE FUERA DEL ALCANCE DE LOS NIÑOS
PELIGRO: CORROSIVO.


Lavender
Fresca Lavanda
Lavande
Fabuloso
Long-Lasting Fragrance
Fragancia Duradera
Parfum longue durée
Multi-Purpose Cleaner
Limpiador Multiuso
Nettoyant tout usage


CLOROX


Allergen
Reducer

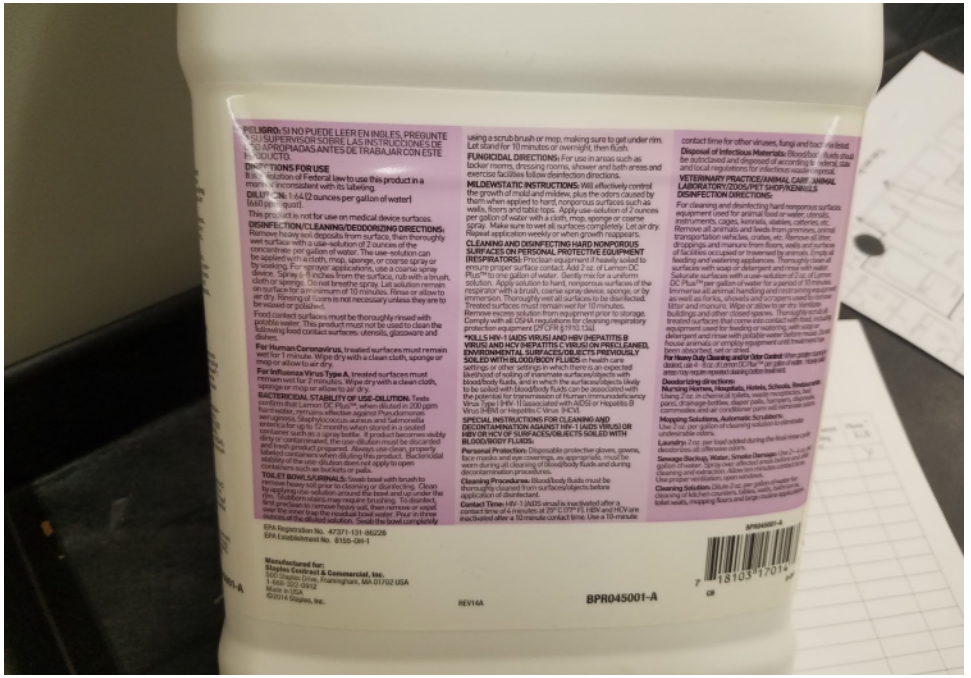

GONZO
natural magic
Odor Absorbing Gel
Gel Désodorisant
Gel Neutralizador de Olores
Scentillating Citrus

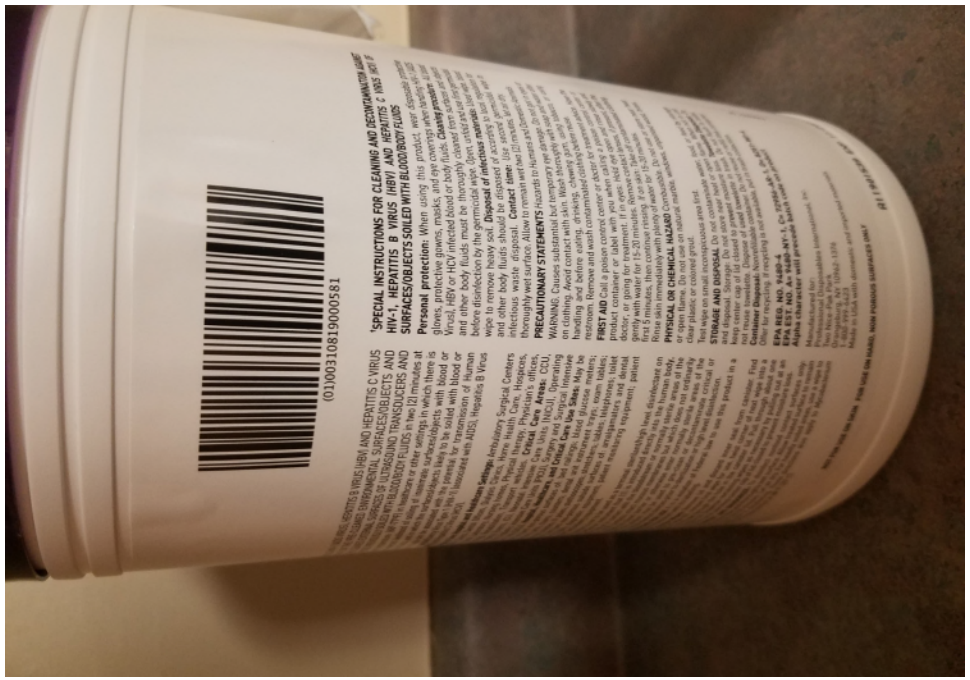

Super
Sani-Cloth®
GERMICIDAL DISPOSABLE WIPE
EXTRA LARGE WIPE
DO NOT FLUSH
KEEP OUT OF REACH OF CHILDREN
WARNING
PDI

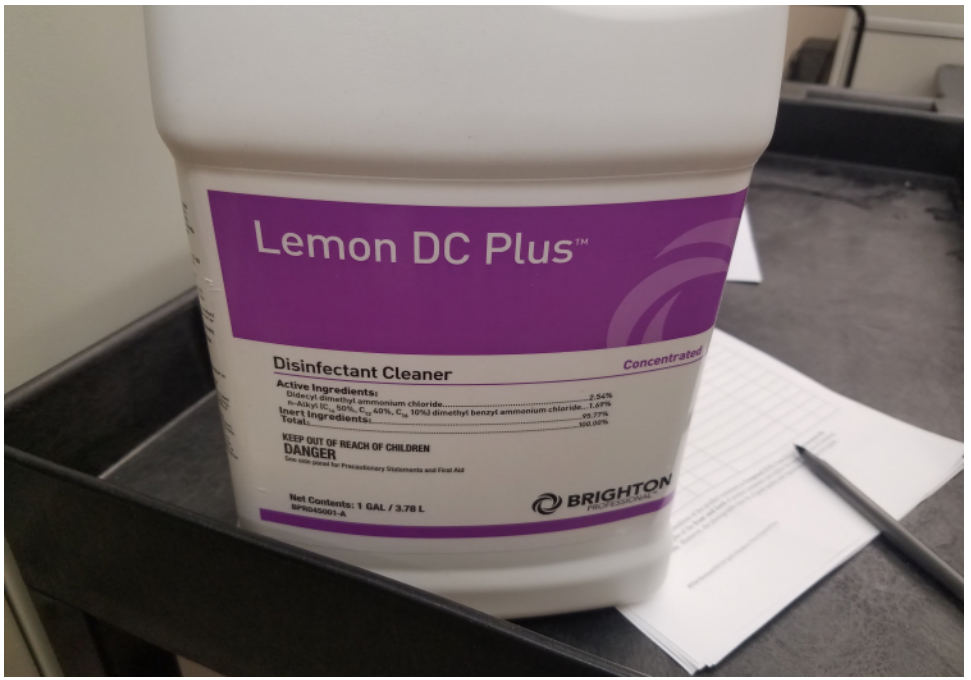

Fabuloso
SAVE WATER
ÉCONOMISER L'EAU
COLGATE-PALMOLIVE
Made in Mexico / Fabriqué au Mexique

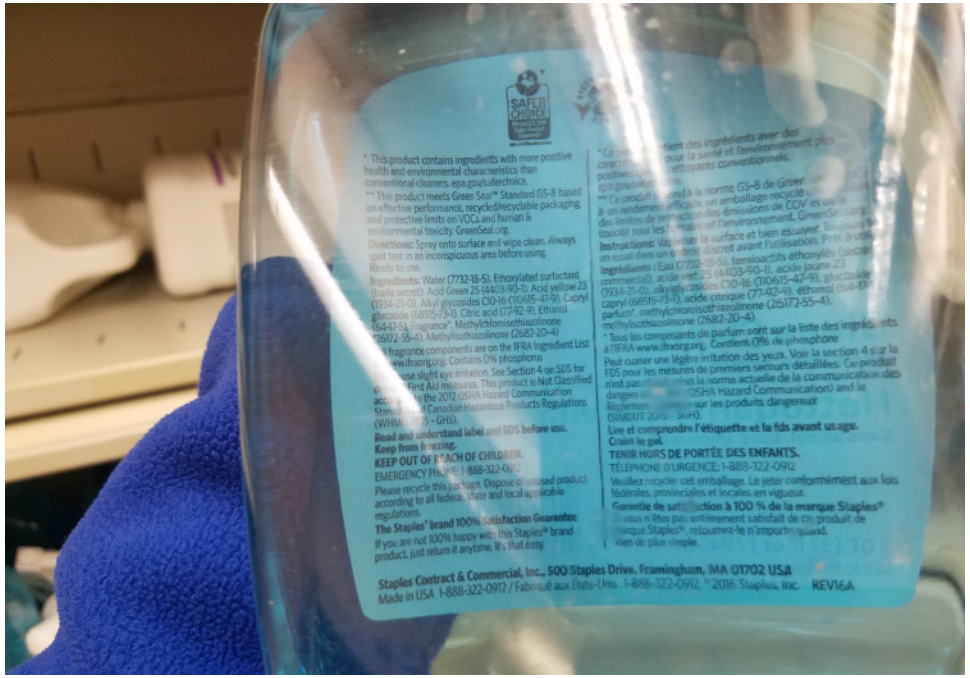

KEEP OUT OF REACH OF CHILDREN.
CC Holdings, Inc.

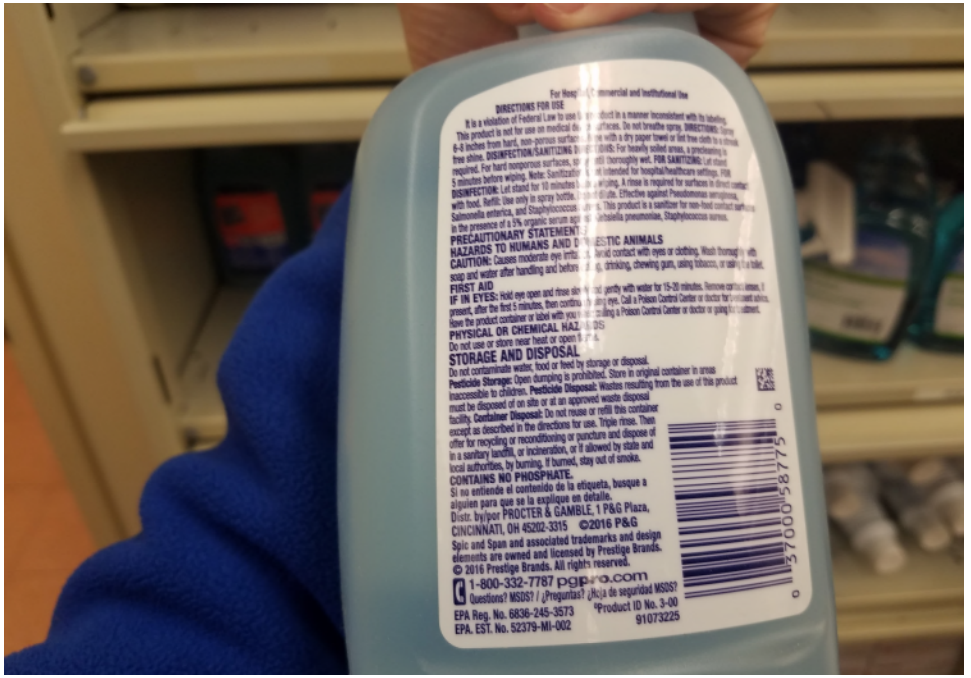

KOH
Exp 2/3/20


PELIGRO: SI NO PUEDE LEER EN INGLES, PREGUNTE A SU SUPERVISOR SOBRE LAS INSTRUCCIONES DE USO APROPIADAS ANTES DE TRABAJAR CON ESTE PRODUCTO.
DIRECTIONS FOR USE
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
DILUTION: 1:64 [2 ounces per gallon of water] [460 ppm quat]
This product is not for use on medical device surfaces.
DISINFECTION/CLEANING/DEODORIZING DIRECTIONS:
Remove heavy soil deposits from surface, then thoroughly wet surface with a use-solution of 2 ounces of the concentrate per gallon of water. The use-solution can be applied with a cloth, mop, sponge, or coarse spray or by soaking. For sprayer applications, use a coarse spray device. Spray 6–8 inches from the surface, rub with a brush, cloth or sponge. Do not breathe spray. Let solution remain on surface for a minimum of 10 minutes. Rinse or allow to air dry. Rinsing of floors is not necessary unless they are to be waxed or polished.
Food contact surfaces must be thoroughly rinsed with potable water. This product must not be used to clean the following food contact surfaces: utensils, glassware and dishes.
For Human Coronavirus, treated surfaces must remain wet for 1 minute. Wipe dry with a clean cloth, sponge or mop or allow to air dry.
For Influenza Virus Type A, treated surfaces must remain wet for 2 minutes. Wipe dry with a clean cloth, sponge or mop or allow to air dry.
BACTERICIDAL STABILITY OF USE-DILUTION: Tests confirm that Lemon DC Plus™, when diluted in 200 ppm hard water, remains effective against Pseudomonas aeruginosa, Staphylococcus aureus and Salmonella enterica for up to 12 months when stored in a sealed container such as a spray bottle. If product becomes visibly dirty or contaminated, the use-dilution must be discarded and fresh product prepared. Always use clean, properly labeled containers when diluting this product. Bactericidal stability of the use-dilution does not apply to open containers such as buckets or pails.
TOILET BOWL/URINALS: Swab bowl with brush to remove heavy soil prior to cleaning or disinfecting. Clean by applying use-solution around the bowl and up under the first precleaning to remove heavy soil, then remove or expel water for proper trap. Use residual bowl water. Pour in three ounces of the diluted solution. Swab the bowl completely using a scrub brush or mop, making sure to get under rim. Let stand for 10 minutes or overnight, then flush.
FUNGICIDAL DIRECTIONS: For use in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities follow disinfection directions.
MILDEWSTATIC INSTRUCTIONS: Will effectively control the growth of mold and mildew, plus the odors caused by them when applied to hard, nonporous surfaces such as walls, floors and table tops. Apply use-solution of 2 ounces per gallon of water with a cloth, mop, sponge or coarse spray. Make sure to wet all surfaces completely. Let air dry. Repeat application weekly or when growth reappears.
CLEANING AND DISINFECTING HARD NONPOROUS SURFACES ON PERSONAL PROTECTIVE EQUIPMENT (RESPIRATORS): Pretclean equipment if heavily soiled to ensure proper surface contact. Add 2 oz. of Lemon DC Plus™ to one gallon of water. Gently mix for a uniform solution. Apply solution to hard, nonporous surfaces of the respirator with a brush, coarse spray device, sponge, or by immersion. Thoroughly wet all surfaces to be disinfected. Treated surfaces must remain wet for 10 minutes. Remove excess solution from equipment prior to storage. Comply with all OSHA regulations for cleaning respiratory protection equipment [29 CFR §1910.134].
*KILLS HIV-1 (AIDS VIRUS) AND HBV (HEPATITIS B VIRUS) AND HCV (HEPATITIS C VIRUS) ON PRECLEANED, ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood/body fluids, and in which the surfaces/objects likely to be soiled with blood/body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type I (HIV-1) associated with AIDS or Hepatitis B Virus (HBV) or Hepatitis C Virus (HCV).
SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 (AIDS VIRUS) OR HBV OR HCV OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.
Personal Protection: Disposable protective gloves, gowns, face masks and eye coverings, as appropriate, must be worn during all cleaning of blood/body fluids and during decontamination procedures.
Cleaning Procedures: Blood/body fluids must be thoroughly cleaned from surfaces/objects before application of disinfectant.
Contact Time: HIV-1 (AIDS virus) is inactivated after a contact time of 4 minutes at 25°C (77°F). HBV and HCV are inactivated after a 10 minute contact time. Use a 10-minute contact time for other viruses, fungi and bacteria at least.
Disposal of Infectious Materials: Blood/body fluids shall be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal.
VETERINARY PRACTICE/ANIMAL CARE/ANIMAL LABORATORY/ZOOS/PET SHOPS/KENNELS DISINFECTION DIRECTIONS:
For cleaning and disinfecting hard nonporous surfaces, equipment used for animal food or water, utensils, instruments, cages, kennels, stables, catteries, etc: Remove all animals and feeds from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Empty all feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution of 2 oz. of Lemon DC Plus™ per gallon of water for a period of 10 minutes. Immerse all animal handling and restraining equipment as well as forks, shovels and scrapers used to remove litter and manure. Wipe or allow to air dry. Ventilate buildings and other closed spaces. Thoroughly scrub all treated surfaces that come into contact with feed, including equipment used for feeding or watering, with soap or detergent and rinse with potable water before reuse. Only house animals or employ equipment until treatment has been absorbed, set or dried.
For Heavy Duty Cleaning and/or Odor Control: When grossly soiled, use 4 - 8 oz. of Lemon DC Plus™ per gallon of water. Hose off areas that require repeated cleaning before treatment.
Deodorizing directions:
Nursing Homes, Hospitals, Hotels, Schools, Restaurants: Using 2 oz. in chemical toilets, waste receptacles, bed pans, drainage bottles, diaper pails, hampers, disposal commodes and air conditioner pans to eliminate odors.
Mopping Solutions, Automatic Scrubbers: Use 2 oz. per gallon of cleaning solution to eliminate undesirable odors.
Laundry: 2 oz. per load added during the final rinse cycle deodorizes all offensive odors.
Sewage Backup, Water, Smoke Damage: Use 2–4 oz. of gallon of water. Spray or sponge affected areas before and during cleaning and extraction. Allow item remain wet. Use proper ventilation; open windows.
Cleaning Solutions: Dilute 2 oz. per gallon of water for cleaning of kitchen countertops, tables, walls, bathroom toilet seats, mopping floors and large routine surfaces.
EPA Registration No. 47371-131-86226
EPA Establishment No. 8155-OH-1
Manufactured for:
Staples Contract & Commercial, Inc.
BPR045001-A
REV14A


*SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HEPATITIS B VIRUS (HBV) AND HEPATITIS C VIRUS (HCV) OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS
Personal protection: When using this product, wear disposable gloves, protective gloves, and eye coverings when splashes of blood or body fluids are likely. Cleaning: Surfaces must be visibly clean and free of blood or other soiling. Hepatitis B Virus (HBV) or HCV infected surfaces must be thoroughly cleaned of soil material and other body fluids. All soiled surfaces must be thoroughly cleaned of soil material before disinfection by the germicidal wipe. Spot cleaning: Use enough wipes to remove heavy soil. Disposal of infectious waste: Blood and other body fluids should be disposed of as infectious waste. Contact time: Use a 10-minute contact time. Allow to remain wet for 10 minutes and then thoroughly wet surface. Allow to remain wet for 2 minutes and then thoroughly wet surface.
PRECAUTIONARY STATEMENTS
Hazards to humans and domestic animals
WARNING: Causes substantial but temporary eye injury. Harmful if swallowed or absorbed through skin. Do not get in eyes, on clothing. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not swallow. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.
FIRST AID Call a poison control center or doctor for treatment advice. Have product container or label with you when calling a poison control center or doctor, or going for treatment. If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. If on skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. If ingested: Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
PHYSICAL OR CHEMICAL HAZARD Combustible material. Keep away from heat or flame.
STORAGE AND DISPOSAL Do not contaminate water, food or feed by storage and disposal. Storage: Do not store near heat or open flame. Keep center cap of lid closed to prevent evaporation. Pesticide Disposal: Dispose of wastes resulting from the use of this product according to local regulations. Container Disposal: Completely empty bag into application equipment. Then dispose of bag in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. Offer for recycling, if recycling is not available, puncture and dispose of in a sanitary landfill.
EPA REG. NO. 9480-4
EPA EST. NO. AL-###-###-1, CA-57004-LA-1, GA-57004-LA-1, MS-57004-LA-1
Alpha Est. No. As per product batch code
Manufactured for:
Professional Disposable International, Inc.
Orangeburg, SC 29115-6426
Made in the USA using domestic and imported materials
(01)00310819000581

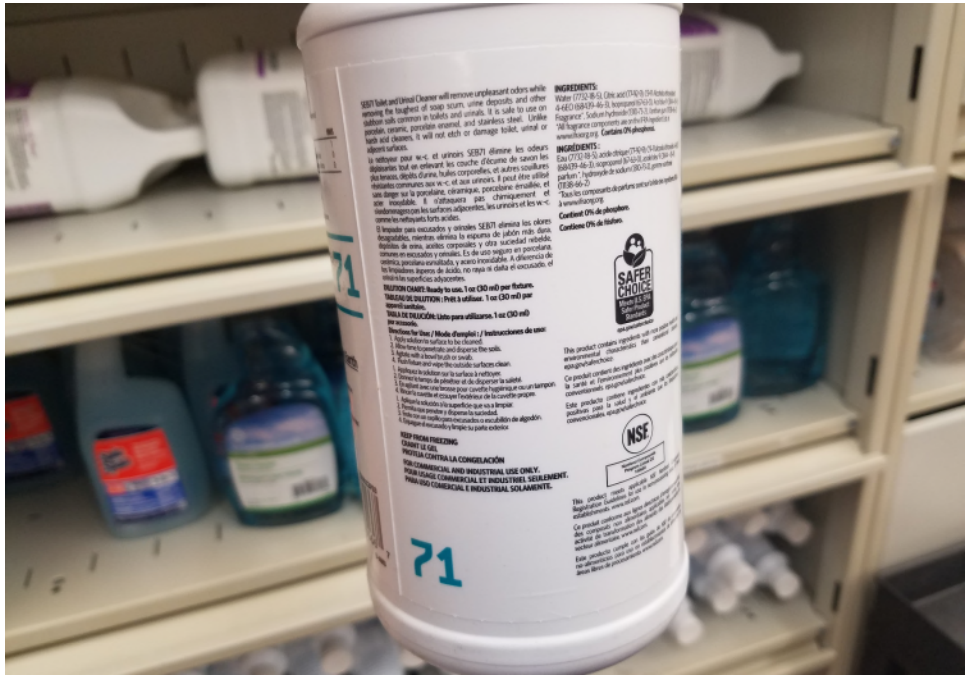

Lemon DC Plus™
Disinfectant Cleaner
Concentrated
Active Ingredients:
Didecyl dimethyl ammonium chloride 2.54%
n-Alkyl (C12 50%, C14 40%, C16 10%) dimethyl benzyl ammonium chloride 1.69%
Inert Ingredients: 95.77%
Total: 100.00%
KEEP OUT OF REACH OF CHILDREN
DANGER
See side panel for Precautionary Statements and First Aid
Net Contents: 1 GAL / 3.78 L
BPR045001-A
BRIGHTON


SAFER CHOICE
Staples Contract & Commercial, Inc., 500 Staples Drive, Framingham, MA 01702 USA
Made in USA 1-888-322-0912 / Fabriqué aux États-Unis 1-888-322-0912

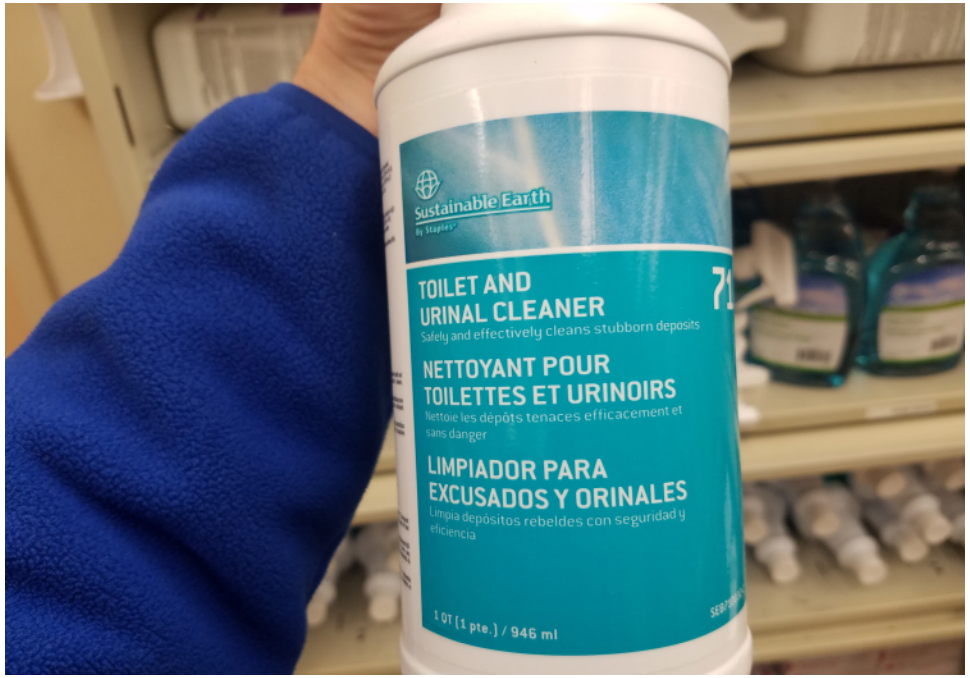

DIRECTIONS FOR USE
PRECAUTIONARY STATEMENT
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
FIRST AID
PHYSICAL OR CHEMICAL HAZARDS
STORAGE AND DISPOSAL
CONTAINS NO PHOSPHATE.
1-800-332-7787 pgpro.com
EPA Reg. No. 6836-245-3573
EPA. EST. No. 52379-MI-002
91073225


Sustainable Earth
By Staples
Glass Cleaner
Alcohol free, ammonia free
Nettoyant pour vitres
Sans alcool, sans ammoniac
SEB611032-A
1 QT. (32 fl. oz.) / 946 ml
SEB611032-A


Spic and Span
Disinfecting All-Purpose Spray and Glass Cleaner
Rociador desinfectante para todo uso y limpiavidrios
3-00
3-in-1
KEEP OUT OF REACH OF CHILDREN.
CAUTION: SEE BACK PANEL FOR PRECAUTIONARY STATEMENTS AND FIRST AID.
MANTENGA FUERA DEL ALCANCE DE LOS NIÑOS.
PRECAUCIÓN: LEA EN EL PANEL AL DORSO LAS PRECAUCIONES Y LOS PRIMEROS AUXILIOS.
P&G Professional 91073224 1 QT/32 FL OZ

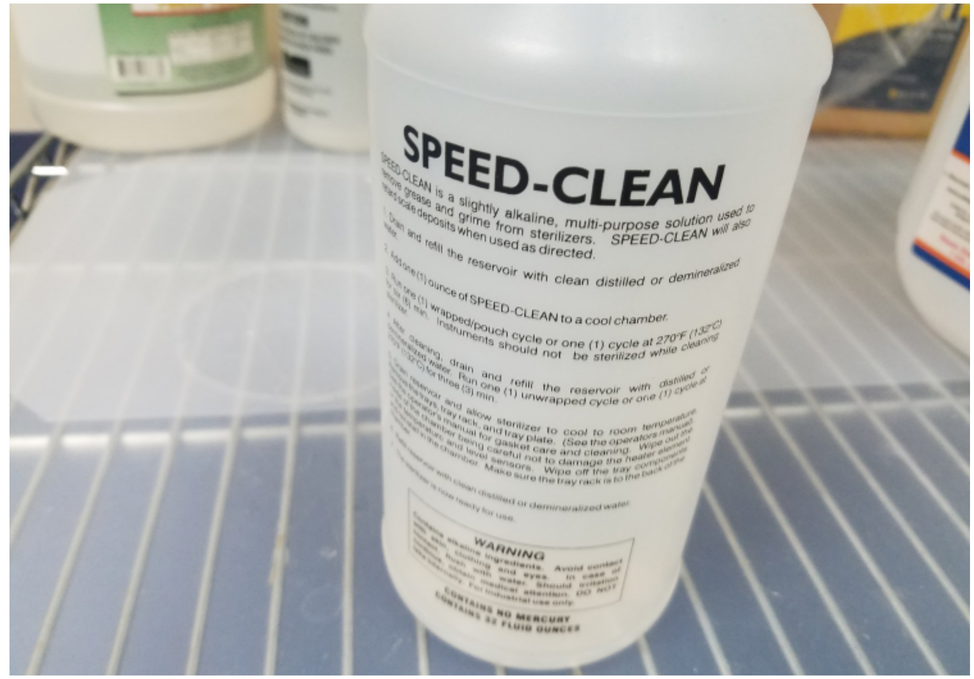

71
INGREDIENTS:
SAFER CHOICE
NSF


EXPO WHITE BOARD CARE
Erase and clean to refresh!
Recommended Board Cleaning
Effacez et nettoyez pour le rafraîchir!
Nettoyage de tableau recommandé
SAFER CHOICE
Meets U.S. EPA Safer Product Standards
epa.gov/saferchoice
COMPLETE CARE SYSTEM
SYSTÈME D'ENTRETIEN COMPLET
newell
We would love to hear from you
1.800.346.3278
Nous serions ravis de vous entendre
1.800.668.4575
www.expomarkers.com

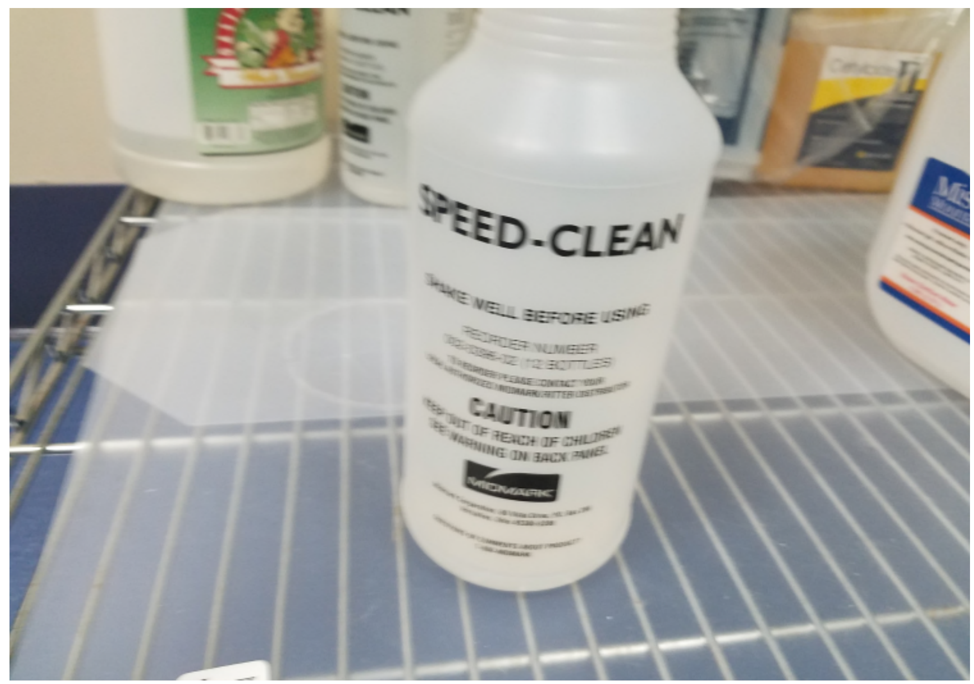

Sustainable Earth
TOILET AND URINAL CLEANER
Safely and effectively cleans stubborn deposits
NETTOYANT POUR TOILETTES ET URINOIRS
Nettoie les dépôts tenaces efficacement et sans danger
LIMPIADOR PARA EXCUSADOS Y ORINALES
Limpia depósitos rebeldes con seguridad y eficiencia
1 QT (1 pte.) / 946 ml


EXPO
WHITE BOARD CARE
Cleaning Spray
Nettoyant en vaporisateur
22 FL OZ (650mL)


AVOID ACCIDENTS: KEEP OUT OF REACH OF CHILDREN AND PETS
TO AVOID ACCIDENTAL INGESTION.
In case of eye contact, flush with water to reduce irritation.
INGREDIENTS: Contains cleaning agents (including solvents), perfume and water. CONTAINS NO PHOSPHATE.
144


SPEED-CLEAN
SPEED-CLEAN is a slightly alkaline, multi-purpose solution used to remove grease and grime from sterilizers. SPEED-CLEAN will also remove scale deposits when used as directed.
WARNING
CONTAINS NO MERCURY
CONTAINS 32 FLUID OUNCES


VALUE PACK
febreze
AIR
Swiffer
WETJET
FLOOR CLEANER | NETTOYANT POUR PLANCHERS
CURAD
PETROLEUM JELLY
skin protectant
144

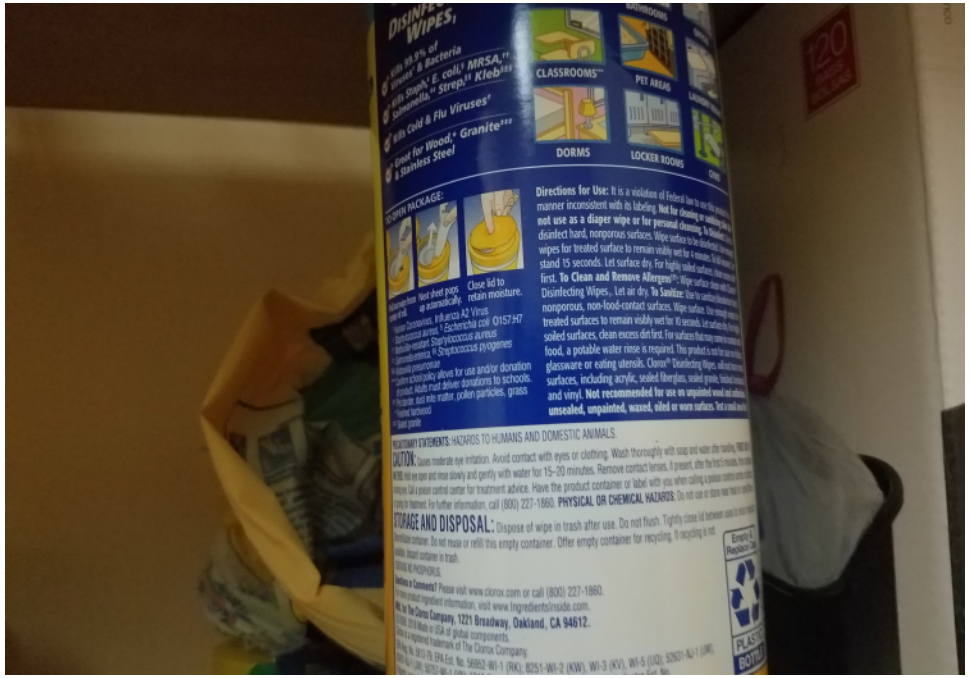

SPEED-CLEAN
SHAKE WELL BEFORE USING
REORDER NUMBER
CAUTION
KEEP OUT OF REACH OF CHILDREN
SEE WARNING ON BACK PANEL


GOO GONE


Kills more than 99.99% of most common germs that may make you sick
*Ounce for ounce outperforms PURELL® original formulations when used on hands as directed
Drug Facts
Active ingredient
Purpose
Ethyl alcohol 70% v/v
Antimicrobial
Use • Hand sanitizer to help reduce bacteria on the skin
Warnings
Flammable. Keep away from fire or flame.
For external use only
When using this product do not use in or near the eyes. In case of contact, rinse eyes thoroughly with water.
Stop use and ask a doctor if irritation or rash appears and lasts
Keep out of reach of children. If swallowed, get medical help or contact a Poison Control Center right away.
Directions • Put enough product in your palm to cover hands and rub hands together briskly until dry.
• Children under 6 years of age should be supervised when using PURELL
Other information • Store below 110°F (43°C)
• May discolor certain fabrics or surfaces
Inactive ingredients Water (Aqua), Isopropyl Alcohol, Caprylyl Glycol, Glycerin, Isopropyl Myristate, Behenyl Acetate, Acrylates/C10-30 Alkyl Acrylate Crosspolymer, Aminomethyl Propanol, Fragrance (Parfum)
0 73852 09652 1
9652-04I-CMR-B
(L) 307947
EXP 06/2022


GOO GONE


#1 BRAND in HOSPITALS
Purell
ADVANCED
HAND SANITIZER
KILLS THE MOST GERMS*
REFRESHING GEL
Kills More Than 99.99% of Germs
Leaves Hands Feeling Soft

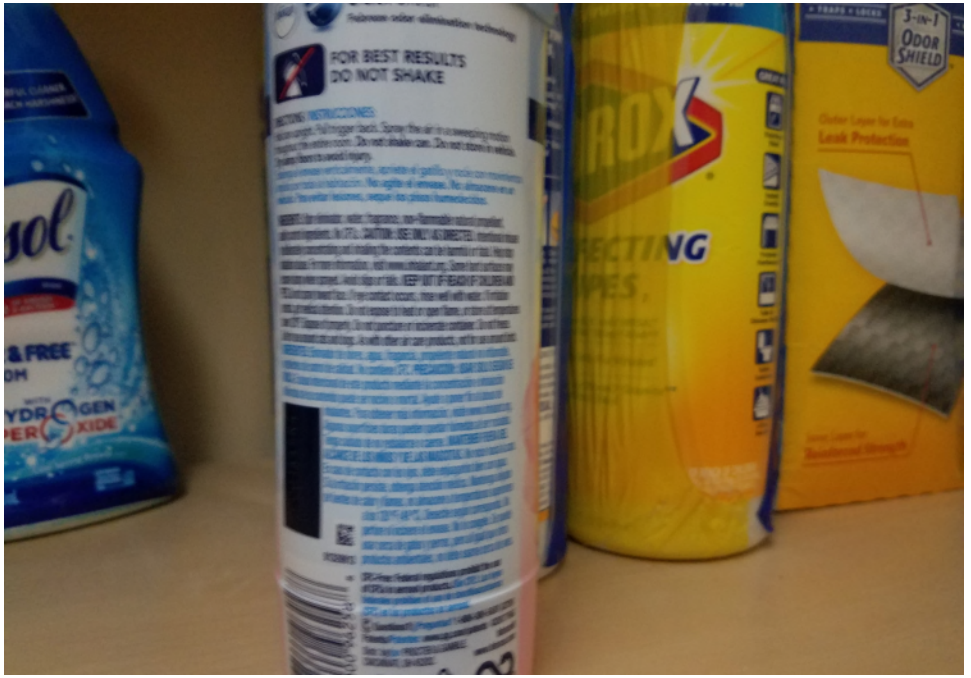

WIPES,
CLASSROOMS
PET AREAS
DORMS
LOCKER ROOMS
TO OPEN PACKAGE:
Close lid to retain moisture.
Directions for Use:
STORAGE AND DISPOSAL:


POWERFUL CLEANER.
NO BLEACH HARSHNESS!
POWERFUL CLEANER
NO BLEACH HARSHNESS
Use this product to clean: BATHROOM - Tubs - Glazed ceramic tiles - Cabinets - Sinks - Shower doors - Vanity tops - Chrome fixtures
DIRECTIONS FOR USE:
STORAGE AND DISPOSAL:
Questions? 1-800-228-4722
Distributed by:
Reckitt Benckiser
Parsippany, NJ
07054-0224
Made in U.S.A.
© 2012 RB
0373707


CLOROX
DISINFECTING
WIPES,
Kills Staph, E. coli, MRSA, Salmonella, Strep, Klebs
Kills Cold & Flu Viruses
Great for Wood, Granite & Stainless Steel
35 WET WIPES
9.1 OZ (258 g)


Lysol
BRAND
KILLS 99.9% OF VIRUSES & BACTERIA
POWER & FREE
BATHROOM
CLEANER
WITH
HYDROGEN
PEROXIDE
Cool Spring Breeze scent


CLOROX
Toilet Bowl Cleaner
with Bleach
Limpiador con Blanqueador
Fresh Scent
DANGER: CORROSIVE.
PELIGRO: CORROSIVO.
STORAGE AND DISPOSAL:
KILLS GERMS:
Lysol
POWER & FREE
BATHROOM
CLEANER
HYDROGEN PEROXIDE


FOR BEST RESULTS
DO NOT SHAKE
3-IN-1
ODOR
SHIELD


CLOROX
Toilet Bowl Cleaner
with Bleach,
Limpiador con Blanqueador
para Tazas de Inodoro,
Fresh Scent
ACTIVE INGREDIENT:
Sodium Hypochlorite..... 2.4%
OTHER INGREDIENTS..... 97.6%
TOTAL..... 100.0%
Yields 2.28% available chlorine
KEEP OUT OF REACH OF CHILDREN.
DANGER: CORROSIVE.
MANTÉNGASE FUERA DEL ALCANCE DE LOS NIÑOS.
PELIGRO: CORROSIVO.
1.5 PT (24 FL OZ) 709 mL
Lysol
POWER & FREE
BATHROOM
CLEANER
HYDROGEN PEROXIDE


Lysol
POWER & FREE
BATHROOM
CLEANER
HYDROGEN PEROXIDE
febreze
AIR
with
Downy
scent


03:31
N195R
90940
STREAK-FREE SHINE!
ÉCLAT SANS TRAÎNÉES!
¡BRILLO SIN RAYAS!
Windex
POWERIZED
RENFORCÉ • REFORZADO
GLASS AND SURFACE CLEANER WITH AMMONIA-D®
NETTOYANT POUR VITRES ET SURFACE AVEC AMMONIA-D®
LIMPIADOR PARA VIDRIOS Y SUPERFICIES CON AMMONIA-D®
3.78 L / 1 U.S. Gal.
NSF
CENTRATED
LOROX
PELIGRO:
Toilet
with Bleac

APPENDIX B

SAMPLING LOGS

Ambient Air Sample Log

AKRF Project No:	200039-0001	**Client:**	247 North Avenue Associates, LLC
Project Location:	247 North Avenue, New Rochelle NY	**Sampled By:**	Stephen Schmid
Date:	2/2/2020	**Weather:**	~45°F Partly Cloudy, NW wind 7mph

Sample Setup

Sample Identification

On-Site Location:	Exterior - Parking Lot	**SUMMA® Canister ID:**	2717
Flow Controller ID:	01495	**Ambient Air Sample ID:**	AA-1_20200202

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Potential VOC Sources/Notes
Time Started:	8:36	-30.33	ND	None
Time:	10:36	-24.43	ND	None
Time Halfway:	12:36	-17.07	ND	None
Time:	14:36	-11.09	ND	None
Time Stopped:	16:36	-6.26	ND	None

Notes:	ND = non-detect	ppb = parts per billion	L/min = Liters per minute
	Ambient air sample AA-1_20200202 collected in a 6-L SUMMA® canister using an 8-hour flow controller.		

Indoor Air Sample Log

AKRF Project No:	200039-0001	**Client:**	247 North Avenue Associates, LLC
Project Location:	247 North Avenue, New Rochelle NY	**Sampled By:**	Stephen Schmid
Date:	2/2/2020		

Sample Setup

Sample Identification

On-Site Location:	Crawl Space - Western	**SUMMA® Canister ID:**	3120
Flow Controller ID:	01442	**Ambient Air Sample ID:**	IA-1_20200202

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Potential VOC Sources/Notes
Time Started:	8:22	-29.92	ND	None
Time:	10:22	-24.36	ND	None
Time Halfway:	12:22	-17.62	ND	None
Time:	14:22	-11.96	ND	None
Time Stopped:	16:22	-6.75	ND	None

Notes:	ND = non-detect	ppb = parts per billion	L/min = Liters per minute
	Indoor air sample IA-1_20200202 collected in a 6-L SUMMA® canister using an 8-hour flow controller.		

Indoor Air Sample Log

AKRF Project No:	200039-0001	**Client:**	247 North Avenue Associates, LLC
Project Location:	247 North Avenue, New Rochelle NY	**Sampled By:**	Stephen Schmid
Date:	2/2/2020		

Sample Setup

Sample Identification

On-Site Location:	Cellar - Southern	**SUMMA® Canister ID:**	2811
Flow Controller ID:	01566	**Ambient Air Sample ID:**	IA-2_20200202

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Potential VOC Sources/Notes
Time Started:	8:23	-29.98	ND	None
Time:	10:23	-24.17	ND	None
Time Halfway:	12:23	-17.28	ND	None
Time:	14:23	-11.15	ND	None
Time Stopped:	16:23	-5.62	ND	None

Notes:	ND = non-detect	ppb = parts per billion	L/min = Liters per minute
	Indoor air sample IA-2_20200202 collected in a 6-L SUMMA® canister using an 8-hour flow controller.		

Indoor Air Sample Log

AKRF Project No:	200039-0001	**Client:**	247 North Avenue Associates, LLC
Project Location:	247 North Avenue, New Rochelle NY	**Sampled By:**	Stephen Schmid
Date:	2/2/2020		

Sample Setup

Sample Identification

On-Site Location:	Cellar - Northeastern	**SUMMA® Canister ID:**	1817
Flow Controller ID:	0367	**Ambient Air Sample ID:**	IA-3_20200202

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Potential VOC Sources/Notes
Time Started:	8:24	-29.83	ND	None
Time:	10:24	-24.23	ND	None
Time Halfway:	12:24	-17.49	ND	None
Time:	14:24	-11.37	ND	None
Time Stopped:	16:24	-6.23	ND	None

Notes:	ND = non-detect	ppb = parts per billion	L/min = Liters per minute
	Indoor air sample IA-3_20200202 collected in a 6-L SUMMA® canister using an 8-hour flow controller.		

Indoor Air Sample Log

AKRF Project No:	200039-0001	**Client:**	247 North Avenue Associates, LLC
Project Location:	247 North Avenue, New Rochelle NY	**Sampled By:**	Stephen Schmid
Date:	2/2/2020		

Sample Setup

Sample Identification

On-Site Location:	1st FL - Post-op, Northeastern	**SUMMA® Canister ID:**	984
Flow Controller ID:	0088	**Ambient Air Sample ID:**	IA-4_20200202

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Potential VOC Sources/Notes
Time Started:	8:26	-30.37	ND	None
Time:	10:26	-24.59	ND	None
Time Halfway:	12:26	-17.97	ND	None
Time:	14:26	-11.63	ND	None
Time Stopped:	16:26	-6.08	ND	None

Notes:	ND = non-detect	ppb = parts per billion	L/min = Liters per minute
	Indoor air sample IA-4 20200202 collected in a 6-L SUMMA® canister using an 8-hour flow controller.		

Indoor Air Sample Log

AKRF Project No:	200039-0001	**Client:**	247 North Avenue Associates, LLC
Project Location:	247 North Avenue, New Rochelle NY	**Sampled By:**	Stephen Schmid
Date:	2/2/2020		

Sample Setup

Sample Identification

On-Site Location:	1st FL - Near managers office, Southern	**SUMMA® Canister ID:**	2908
Flow Controller ID:	01614	**Ambient Air Sample ID:**	IA-5_20200202

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Potential VOC Sources/Notes
Time Started:	8:27	-29.78	ND	None
Time:	10:27	-23.80	ND	None
Time Halfway:	12:27	-17.04	ND	None
Time:	14:27	-10.60	ND	None
Time Stopped:	16:27	-5.96	ND	None

Notes:	ND = non-detect	ppb = parts per billion	L/min = Liters per minute
	Indoor air sample IA-5_20200202 collected in a 6-L SUMMA® canister using an 8-hour flow controller.		

Indoor Air Sample Log

AKRF Project No:	200039-0001	**Client:**	247 North Avenue Associates, LLC
Project Location:	247 North Avenue, New Rochelle NY	**Sampled By:**	Stephen Schmid
Date:	2/2/2020		

Sample Setup

Sample Identification

On-Site Location:	1st FL - Westhab Lecture Area, Western	**SUMMA® Canister ID:**	689
Flow Controller ID:	01613	**Ambient Air Sample ID:**	IA-6_20200202

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Potential VOC Sources/Notes
Time Started:	8:30	-29.92	354 ppb	None
Time:	10:30	-23.19	ND	None
Time Halfway:	12:30	-15.49	ND	None
Time:	14:30	-9.64	ND	None
Time Stopped:	16:30	-5.71	ND	None

Notes:	ND = non-detect	ppb = parts per billion	L/min = Liters per minute
	Indoor air sample IA-6 20200202 collected in a 6-L SUMMA® canister using an 8-hour flow controller.		

APPENDIX C

LABORATORY ANALYTICAL DATA REPORT

ANALYTICAL REPORT

Lab Number:	L2004675
Client:	AKRF, Inc. 34 South Broadway White Plains, NY 10601
ATTN:	Becky Kinal
Phone:	(914) 922-2362
Project Name:	247 NORTH AVE
Project Number:	Not Specified
Report Date:	02/10/20

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

Six Park Row, Mansfield, MA 02048
508-261-7467 (Fax) -- -- - emccarter@mansfieldma.com

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2004675-01	AA-1_20200202	AIR	NEW ROCHELLE, NY	02/02/20 16:36	02/03/20
L2004675-02	IA-1_20200202	AIR	NEW ROCHELLE, NY	02/02/20 16:22	02/03/20
L2004675-03	IA-2_20200202	AIR	NEW ROCHELLE, NY	02/02/20 16:23	02/03/20
L2004675-04	IA-3_20200202	AIR	NEW ROCHELLE, NY	02/02/20 16:24	02/03/20
L2004675-05	IA-4_20200202	AIR	NEW ROCHELLE, NY	02/02/20 16:26	02/03/20
L2004675-06	IA-5_20200202	AIR	NEW ROCHELLE, NY	02/02/20 16:27	02/03/20
L2004675-07	IA-6_20200202	AIR	NEW ROCHELLE, NY	02/02/20 16:30	02/03/20

Project Name:	247 NORTH AVE	**Lab Number:**	L2004675
Project Number:	Not Specified	**Report Date:**	02/10/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	247 NORTH AVE	**Lab Number:**	L2004675
Project Number:	Not Specified	**Report Date:**	02/10/20

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on January 28, 2020. The canister certification results are provided as an addendum.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 02/10/20

AIR

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-01
Client ID: AA-1_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:36
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/07/20 16:58
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.368	0.200	--	1.82	0.989	--		1
Chloromethane	0.383	0.200	--	0.791	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	1.66	1.00	--	3.94	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-01
Client ID: AA-1_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:36
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-01
Client ID: AA-1_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:36
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	102		60-140

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-01
Client ID: AA-1_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:36
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/07/20 16:58
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.086	0.020	--	0.541	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	97		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	101		60-140

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-02
Client ID: IA-1_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:22
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/07/20 17:38
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.409	0.200	--	2.02	0.989	--		1
Chloromethane	0.440	0.200	--	0.909	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	248	5.00	--	467	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	8.92	1.00	--	21.2	2.38	--		1
Trichlorofluoromethane	0.205	0.200	--	1.15	1.12	--		1
Isopropanol	197	0.500	--	484	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.94	0.200	--	9.47	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-02
Client ID: IA-1_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:22
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.395	0.200	--	1.26	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.244	0.200	--	0.920	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-02
Client ID: IA-1_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:22
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	101		60-140
chlorobenzene-d5	103		60-140

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-02
Client ID: IA-1_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:22
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/07/20 17:38
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.092	0.020	--	0.579	0.126	--		1
Trichloroethene	0.023	0.020	--	0.124	0.107	--		1
Tetrachloroethene	0.021	0.020	--	0.142	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	100		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	103		60-140

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-03
Client ID: IA-2_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:23
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/07/20 18:58
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.395	0.200	--	1.95	0.989	--		1
Chloromethane	0.587	0.200	--	1.21	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	240	5.00	--	452	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	18.5	1.00	--	43.9	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	192	0.500	--	472	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	11.9	0.200	--	58.1	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-03
Client ID: IA-2_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:23
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.368	0.200	--	1.18	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.256	0.200	--	0.965	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-03
Client ID: IA-2_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:23
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	102		60-140

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-03
Client ID: IA-2_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:23
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/07/20 18:58
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.159	0.020	--	0.406	0.051	--		1
1,1-Dichloroethene	0.020	0.020	--	0.079	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.152	0.020	--	0.956	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.025	0.020	--	0.170	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	98		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	101		60-140

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-04
Client ID: IA-3_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:24
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/07/20 19:38
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.360	0.200	--	1.78	0.989	--		1
Chloromethane	0.521	0.200	--	1.08	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	229	5.00	--	431	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	18.3	1.00	--	43.5	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	182	0.500	--	447	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	12.2	0.200	--	59.6	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-04
Client ID: IA-3_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:24
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.363	0.200	--	1.16	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.265	0.200	--	0.999	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-04
Client ID: IA-3_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:24
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	101		60-140

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-04
Client ID: IA-3_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:24
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/07/20 19:38
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.143	0.020	--	0.366	0.051	--		1
1,1-Dichloroethene	0.021	0.020	--	0.083	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.149	0.020	--	0.937	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.025	0.020	--	0.170	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	98		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	101		60-140

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-05
Client ID: IA-4_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:26
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/07/20 20:18
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.370	0.200	--	1.83	0.989	--		1
Chloromethane	0.456	0.200	--	0.942	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	185	5.00	--	349	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	9.69	1.00	--	23.0	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	163	0.500	--	401	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	4.93	0.200	--	24.1	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-05
Client ID: IA-4_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:26
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.346	0.200	--	1.11	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.289	0.200	--	1.09	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-05
Client ID: IA-4_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:26
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	101		60-140

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-05
Client ID: IA-4_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:26
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/07/20 20:18
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.049	0.020	--	0.125	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.108	0.020	--	0.679	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.023	0.020	--	0.156	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	96		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	100		60-140

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-06
Client ID: IA-5_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:27
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/07/20 20:58
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.379	0.200	--	1.87	0.989	--		1
Chloromethane	0.452	0.200	--	0.933	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	157	5.00	--	296	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	5.64	1.00	--	13.4	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	119	0.500	--	293	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	1.92	0.200	--	9.38	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-06
Client ID: IA-5_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:27
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.403	0.200	--	1.29	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.207	0.200	--	0.780	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-06
Client ID: IA-5_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:27
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	99		60-140

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-06
Client ID: IA-5_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:27
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/07/20 20:58
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.024	0.020	--	0.061	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.088	0.020	--	0.554	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	98		60-140

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-07
Client ID: IA-6_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:30
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 02/07/20 21:38
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.391	0.200	--	1.93	0.989	--		1
Chloromethane	0.407	0.200	--	0.840	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	281	5.00	--	529	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	6.78	1.00	--	16.1	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	164	0.500	--	403	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	0.987	0.200	--	4.82	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-07
Client ID: IA-6_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:30
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.299	0.200	--	0.955	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.262	0.200	--	0.987	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-07
Client ID: IA-6_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:30
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	102		60-140

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

SAMPLE RESULTS

Lab ID: L2004675-07
Client ID: IA-6_20200202
Sample Location: NEW ROCHELLE, NY

Date Collected: 02/02/20 16:30
Date Received: 02/03/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/07/20 21:38
Analyst: EW

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.024	0.020	--	0.095	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.090	0.020	--	0.566	0.126	--		1
Trichloroethene	0.025	0.020	--	0.134	0.107	--		1
Tetrachloroethene	0.026	0.020	--	0.176	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	97		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	101		60-140

Project Name: 247 NORTH AVE
Project Number: Not Specified
Lab Number: L2004675
Report Date: 02/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 02/07/20 14:40

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-07 Batch: WG1338419-4								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1

Project Name: 247 NORTH AVE
Project Number: Not Specified
Lab Number: L2004675
Report Date: 02/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 02/07/20 14:40

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-07 Batch: WG1338419-4								
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1

Project Name: 247 NORTH AVE
Project Number: Not Specified
Lab Number: L2004675
Report Date: 02/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 02/07/20 14:40

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-07 Batch: WG1338419-4								
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: 247 NORTH AVE
Project Number: Not Specified
Lab Number: L2004675
Report Date: 02/10/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 02/07/20 15:21

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-07 Batch: WG1338420-4								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG1338419-3								
Dichlorodifluoromethane	75		-		70-130	-		
Chloromethane	71		-		70-130	-		
Freon-114	87		-		70-130	-		
Vinyl chloride	89		-		70-130	-		
1,3-Butadiene	96		-		70-130	-		
Bromomethane	83		-		70-130	-		
Chloroethane	87		-		70-130	-		
Ethanol	75		-		40-160	-		
Vinyl bromide	79		-		70-130	-		
Acetone	64		-		40-160	-		
Trichlorofluoromethane	96		-		70-130	-		
Isopropanol	66		-		40-160	-		
1,1-Dichloroethene	91		-		70-130	-		
Tertiary butyl Alcohol	81		-		70-130	-		
Methylene chloride	102		-		70-130	-		
3-Chloropropene	80		-		70-130	-		
Carbon disulfide	92		-		70-130	-		
Freon-113	95		-		70-130	-		
trans-1,2-Dichloroethene	88		-		70-130	-		
1,1-Dichloroethane	89		-		70-130	-		
Methyl tert butyl ether	94		-		70-130	-		
2-Butanone	81		-		70-130	-		
cis-1,2-Dichloroethene	92		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG1338419-3								
Ethyl Acetate	95		-		70-130	-		
Chloroform	97		-		70-130	-		
Tetrahydrofuran	77		-		70-130	-		
1,2-Dichloroethane	87		-		70-130	-		
n-Hexane	110		-		70-130	-		
1,1,1-Trichloroethane	104		-		70-130	-		
Benzene	109		-		70-130	-		
Carbon tetrachloride	109		-		70-130	-		
Cyclohexane	115		-		70-130	-		
1,2-Dichloropropane	103		-		70-130	-		
Bromodichloromethane	112		-		70-130	-		
1,4-Dioxane	106		-		70-130	-		
Trichloroethene	100		-		70-130	-		
2,2,4-Trimethylpentane	118		-		70-130	-		
Heptane	93		-		70-130	-		
cis-1,3-Dichloropropene	119		-		70-130	-		
4-Methyl-2-pentanone	96		-		70-130	-		
trans-1,3-Dichloropropene	101		-		70-130	-		
1,1,2-Trichloroethane	108		-		70-130	-		
Toluene	93		-		70-130	-		
2-Hexanone	84		-		70-130	-		
Dibromochloromethane	96		-		70-130	-		
1,2-Dibromoethane	98		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 Batch: WG1338419-3								
Tetrachloroethene	93		-		70-130	-		
Chlorobenzene	96		-		70-130	-		
Ethylbenzene	93		-		70-130	-		
p/m-Xylene	90		-		70-130	-		
Bromoform	92		-		70-130	-		
Styrene	94		-		70-130	-		
1,1,2,2-Tetrachloroethane	102		-		70-130	-		
o-Xylene	89		-		70-130	-		
4-Ethyltoluene	91		-		70-130	-		
1,3,5-Trimethylbenzene	90		-		70-130	-		
1,2,4-Trimethylbenzene	88		-		70-130	-		
Benzyl chloride	84		-		70-130	-		
1,3-Dichlorobenzene	92		-		70-130	-		
1,4-Dichlorobenzene	89		-		70-130	-		
1,2-Dichlorobenzene	90		-		70-130	-		
1,2,4-Trichlorobenzene	91		-		70-130	-		
Hexachlorobutadiene	80		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-07 Batch: WG1338420-3								
Vinyl chloride	83		-		70-130	-		25
1,1-Dichloroethene	84		-		70-130	-		25
cis-1,2-Dichloroethene	84		-		70-130	-		25
1,1,1-Trichloroethane	100		-		70-130	-		25
Carbon tetrachloride	100		-		70-130	-		25
Trichloroethene	96		-		70-130	-		25
Tetrachloroethene	93		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1338419-5 QC Sample: L2004675-02 Client ID: IA-1_20200202						
Dichlorodifluoromethane	0.409	0.364	ppbV	12		25
Chloromethane	0.440	0.398	ppbV	10		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	248	238	ppbV	4		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	8.92	8.83	ppbV	1		25
Trichlorofluoromethane	0.205	ND	ppbV	NC		25
Isopropanol	197	198	ppbV	1		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	ND	ND	ppbV	NC		25
Ethyl Acetate	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1338419-5 QC Sample: L2004675-02 Client ID: IA-1_20200202						
Chloroform	1.94	1.97	ppbV	2		25
Tetrahydrofuran	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
n-Hexane	ND	ND	ppbV	NC		25
Benzene	0.395	0.389	ppbV	2		25
Cyclohexane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC		25
Heptane	ND	ND	ppbV	NC		25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC		25
4-Methyl-2-pentanone	ND	ND	ppbV	NC		25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
Toluene	0.244	0.233	ppbV	5		25
2-Hexanone	ND	ND	ppbV	NC		25
Dibromochloromethane	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Chlorobenzene	ND	ND	ppbV	NC		25
Ethylbenzene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1338419-5 QC Sample: L2004675-02 Client ID: IA-1_20200202						
p/m-Xylene	ND	ND	ppbV	NC		25
Bromoform	ND	ND	ppbV	NC		25
Styrene	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
o-Xylene	ND	ND	ppbV	NC		25
4-Ethyltoluene	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC		25
Benzyl chloride	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
Hexachlorobutadiene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1338420-5 QC Sample: L2004675-02 Client ID: IA-1_20200202						
Vinyl chloride	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Carbon tetrachloride	0.092	0.087	ppbV	6		25
Trichloroethene	0.023	0.020	ppbV	14		25
Tetrachloroethene	0.021	0.021	ppbV	0		25

Project Name: 247 NORTH AVE

Lab Number: L2004675

Project Number:

Report Date: 02/10/20

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L2004675-01	AA-1_20200202	01495	Flow 3	01/28/20	312945		-	-	-	Pass	10.0	9.3	7
L2004675-01	AA-1_20200202	2717	6.0L Can	01/28/20	312945	L2003156-10	Pass	-28.9	-4.5	-	-	-	-
L2004675-02	IA-1_20200202	01442	Flow 3	01/28/20	312945		-	-	-	Pass	10.0	11.0	10
L2004675-02	IA-1_20200202	3120	6.0L Can	01/28/20	312945	L2003156-09	Pass	-29.0	-5.8	-	-	-	-
L2004675-03	IA-2_20200202	01566	Flow 4	01/28/20	312945		-	-	-	Pass	10.0	10.4	4
L2004675-03	IA-2_20200202	2811	6.0L Can	01/28/20	312945	L2003156-10	Pass	-29.0	-4.9	-	-	-	-
L2004675-04	IA-3_20200202	0367	Flow 5	01/28/20	312945		-	-	-	Pass	10.0	10.3	3
L2004675-04	IA-3_20200202	1817	6.0L Can	01/28/20	312945	L2003156-09	Pass	-29.0	-5.5	-	-	-	-
L2004675-05	IA-4_20200202	0088	Flow 4	01/28/20	312945		-	-	-	Pass	10.0	10.1	1
L2004675-05	IA-4_20200202	984	6.0L Can	01/28/20	312945	L2003156-09	Pass	-29.0	-5.2	-	-	-	-
L2004675-06	IA-5_20200202	01614	Flow 4	01/28/20	312945		-	-	-	Pass	10.0	9.0	11
L2004675-06	IA-5_20200202	2908	6.0L Can	01/28/20	312945	L2003156-09	Pass	-28.9	-5.5	-	-	-	-
L2004675-07	IA-6_20200202	01613	Flow 4	01/28/20	312945		-	-	-	Pass	10.0	8.4	17
L2004675-07	IA-6_20200202	689	6.0L Can	01/28/20	312945	L2003156-10	Pass	-28.9	-5.8	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2003156
Report Date: 02/10/20

Air Canister Certification Results

Lab ID: L2003156-09
Client ID: CAN 2442 SHELF 56
Sample Location:

Date Collected: 01/23/20 09:00
Date Received: 01/23/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/23/20 22:21
Analyst: GP

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2003156

Project Number: CANISTER QC BAT **Report Date:** 02/10/20

Air Canister Certification Results

Lab ID: L2003156-09
Client ID: CAN 2442 SHELF 56
Sample Location:

Date Collected: 01/23/20 09:00
Date Received: 01/23/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2003156
Report Date: 02/10/20

Air Canister Certification Results

Lab ID: L2003156-09
Client ID: CAN 2442 SHELF 56
Sample Location:

Date Collected: 01/23/20 09:00
Date Received: 01/23/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2003156
Report Date: 02/10/20

Air Canister Certification Results

Lab ID: L2003156-09
Client ID: CAN 2442 SHELF 56
Sample Location:

Date Collected: 01/23/20 09:00
Date Received: 01/23/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2003156
Report Date: 02/10/20

Air Canister Certification Results

Lab ID: L2003156-09
Client ID: CAN 2442 SHELF 56
Sample Location:

Date Collected: 01/23/20 09:00
Date Received: 01/23/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2003156
Report Date: 02/10/20

Air Canister Certification Results

Lab ID: L2003156-09
Client ID: CAN 2442 SHELF 56
Sample Location:

Date Collected: 01/23/20 09:00
Date Received: 01/23/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/23/20 22:21
Analyst: GP

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2003156

Project Number: CANISTER QC BAT **Report Date:** 02/10/20

Air Canister Certification Results

Lab ID: L2003156-09
Client ID: CAN 2442 SHELF 56
Sample Location:

Date Collected: 01/23/20 09:00
Date Received: 01/23/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2003156

Project Number: CANISTER QC BAT **Report Date:** 02/10/20

Air Canister Certification Results

Lab ID: L2003156-09
Client ID: CAN 2442 SHELF 56
Sample Location:

Date Collected: 01/23/20 09:00
Date Received: 01/23/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	96		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	93		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L2003156
Report Date: 02/10/20

Air Canister Certification Results

Lab ID: L2003156-10
Client ID: CAN 2262 SHELF 57
Sample Location:

Date Collected: 01/23/20 09:00
Date Received: 01/23/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/23/20 23:01
Analyst: GP

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2003156
Report Date: 02/10/20

Air Canister Certification Results

Lab ID: L2003156-10
Client ID: CAN 2262 SHELF 57
Sample Location:

Date Collected: 01/23/20 09:00
Date Received: 01/23/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
Xylenes, total	ND	0.600	--	ND	0.869	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,2-Dichloroethene (total)	ND	1.00	--	ND	1.00	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2003156

Project Number: CANISTER QC BAT **Report Date:** 02/10/20

Air Canister Certification Results

Lab ID: L2003156-10
Client ID: CAN 2262 SHELF 57
Sample Location:

Date Collected: 01/23/20 09:00
Date Received: 01/23/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2003156
Report Date: 02/10/20

Air Canister Certification Results

Lab ID: L2003156-10
Client ID: CAN 2262 SHELF 57
Sample Location:

Date Collected: 01/23/20 09:00
Date Received: 01/23/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2003156
Report Date: 02/10/20

Air Canister Certification Results

Lab ID: L2003156-10
Client ID: CAN 2262 SHELF 57
Sample Location:

Date Collected: 01/23/20 09:00
Date Received: 01/23/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

	Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	94		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L2003156
Report Date: 02/10/20

Air Canister Certification Results

Lab ID: L2003156-10
Client ID: CAN 2262 SHELF 57
Sample Location:

Date Collected: 01/23/20 09:00
Date Received: 01/23/20
Field Prep: Not Specified

Sample Depth:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/23/20 23:01
Analyst: GP

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.100	--	ND	0.264	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2003156

Project Number: CANISTER QC BAT **Report Date:** 02/10/20

Air Canister Certification Results

Lab ID: L2003156-10
Client ID: CAN 2262 SHELF 57
Sample Location:

Date Collected: 01/23/20 09:00
Date Received: 01/23/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L2003156

Project Number: CANISTER QC BAT **Report Date:** 02/10/20

Air Canister Certification Results

Lab ID: L2003156-10
Client ID: CAN 2262 SHELF 57
Sample Location:

Date Collected: 01/23/20 09:00
Date Received: 01/23/20
Field Prep: Not Specified

Sample Depth:

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	93		60-140

Project Name: 247 NORTH AVE
Project Number: Not Specified

Lab Number: L2004675
Report Date: 02/10/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
NA	Present/Intact

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2004675-01A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2004675-02A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2004675-03A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2004675-04A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2004675-05A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-LL(30),TO15-SIM(30)
L2004675-06A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)
L2004675-07A	Canister - 6 Liter	NA	NA			Y	Absent		TO15-SIM(30),TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	247 NORTH AVE	**Lab Number:**	L2004675
Project Number:	Not Specified	**Report Date:**	02/10/20

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report

Project Name:	247 NORTH AVE	**Lab Number:**	L2004675
Project Number:	Not Specified	**Report Date:**	02/10/20

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

Report Format: Data Usability Report

Project Name:	247 NORTH AVE	**Lab Number:**	L2004675
Project Number:	Not Specified	**Report Date:**	02/10/20

Data Qualifiers

than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

Project Name: 247 NORTH AVE
Project Number: Not Specified
Lab Number: L2004675
Report Date: 02/10/20

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 2/4/20

ALPHA Job #: L2004675

Client Information

Client: AKRF, Inc.
Address: 440 Park Ave S, NY NY
Phone: 914-922-2362
Fax:
Email: NKinal@akrf.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 247 North Ave
Project Location: New Rochelle, NY
Project #:
Project Manager: Becky Kinal
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-15	TO-15 SIM	APH (Subset Non-petroleum HCs)	Fixed Gases	Sulfides & Mercaptans by TO-15	☐	Sample Comments (i.e. PID)
2004675-01	AA-1_20200202	2/2/20	836	1636	-30.33	-6.26	AA	SS	6L	2717	01495	X						
-02	IA-1_20200202		822	1622	-29.92	-6.75	AA	SS		3120	01442	X						
-03	IA-2_20200202		823	1623	-29.98	-5.62		SS		2811	01566	X						
-04	IA-3_20200202		824	1624	-29.83	-6.23		SS		1817	0367	X						
-05	IA-4_20200202		826	1626	-30.37	-6.08		SS		984	0088	X						
-06	IA-5_20200202		827	1627	-29.78	-5.96		SS		2908	01614	X						
-07	IA-6_20200202		830	1630	-29.92	-5.71		SS		689	01613	X						

ANALYSIS

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
	2/3/20 0		2/3/20 09:30
	2/3/20 1400		2/4/20 0900

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Form No: 101-02 Rev: (25-Sep-15)