LiRo Engineers, Inc.
A LiRo Group Company
690 Delaware Avenue, Buffalo, NY 14209 Telephone 716.882.5476 Facsimile 716.882.9640

July 23, 2021

Megan Kuczka
Division of Environmental Remediation
New York State Department of Environmental Conservation
270 Michigan Ave.
Buffalo, New York, 14203

Re: Supporting Studies Report for Partial Site Change of Use
Former Buffalo China Site C915209

Dear Ms Kuczka,

Pursuant to the Brownfield Cleanup Agreement Index #B9-0732-06-11 between Buffalo China, Inc. and the New York State Department of Environmental Conservation (NYSDEC) and the Site Management Plan (SMP) prepared for the Former Buffalo China Site, LiRo Engineers, Inc. (LiRo) on behalf of Hayes Place Management Group, Inc. (HPMG) (current owner) is submitting this Supporting Studies Report to convert a portion of the Site from Industrial Use to Commercial Use. The site is currently restricted to Industrial Use.

LiRo prepared a Corrective Measures Work Plan dated March 17, 2021 that detailed the scope of the supporting studies that were undertaken. These include:

1 – A Soil Vapor Intrusion (SVI) investigation.

2 – A Summary of Existing RI/Site data.

3 – An updated human exposure assessment specific to commercial use of the area.

The results of these investigations are detailed in the following pages.

Background

The Site is a 9.73-acre property located in a mixed residential and industrialized area of Buffalo, New York (Figure 1). A previous Site owner entered into a Brownfield Cleanup Agreement with NYSDEC and a remedial investigation (RI) was conducted between July 2007 and July 2009. The results of the RI were reported in the "Remedial Investigation Report" prepared by Conestoga Rovers and Associates dated September 2010. Based upon investigations conducted during and prior to the RI, the primary contaminants of concern included trichloroethene (TCE) and its associated degradation products in soil and groundwater, as well as lead contaminated soil in the northwestern portion of the Site. Remedial Actions were completed to address contaminated soil and a Final Engineering Report/Site Management Plan was completed in 2012. Groundwater treatment has continued in the northwestern portion of the Site.

The attached Figure 2 shows the location of the remedial areas and the portion of the site that is the subject of the Change of Use. As shown on the Figure, the Change of Use area is 26,000 square feet in size and located in the southeastern most portion of the Site. The site remediation was focused in the northwestern portion of the Site based on the distribution of contamination at the Site.

Conversion Area for Commercial Use

The area to be converted for commercial use is entirely within the building footprint. The entire area is already covered by the building floor slab and formerly was the Buffalo China warehouse area. In advance of the conversion, HPMG removed any equipment present in the area and pressure-washed the floor and walls.

Soil Vapor Intrusion Investigation

The SVI investigation sampling was conducted on March 31, 2021, LiRo obtained and deployed five (5) Summa canisters with 8-hour regulators to collect sub-slab, indoor air and outdoor air samples for the Site, in accordance with protocols found in the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006. LiRo conducted a survey to document sources of Volatile Organic Compound (VOCs) in the immediate area of the sample locations and no sources of VOC sources were observed. After the canisters were deployed, inches of Mercury (inHg) readings were noted at each location. After approximately 8-hours of sample collection, another set of inHg readings were collected and canister valves were closed and samples were submitted to York Analytical Laboratories, Inc. of Richmond Hill, New York (NELAP No. 12058).

The two sub-slab locations sampled were paired with indoor air at approximately the sample location (Figure 2). Each sub-slab sampling location port was constructed as a temporary sampling point and was backfilled after sampling. The sub-slab locations were drilled 2 inches below the bottom of the concrete floor slab into the sub-base. Tubing was placed down each hole and sealed with beeswax at the floor surface. One to three implant volumes was purged prior to sample collection using a photo-ionization detector (PID) acting as a low volume pump. The Summa Canister was immediately attached and activated. The co-located indoor air Summa canisters were set up with the inlet approximately three to four feet above the floor level. One Summa canister was situated three to four feet above the ground outside the entrance of the building.

All SVI sub-slab vapor, indoor air and outdoor air samples were submitted for analysis of volatile organic compounds (VOCs) using EPA Method TO-15.

For the SVI, two (2) sub-slab soil-vapor samples (VMP-1 and VMP-2), two (2) indoor air samples (IA-1 and IA-2) and one (1) outdoor air sample (OA-1) were collected at the Site using 6-liter Summa canisters equipped with 8-hour regulators.

The indoor air samples were paired in close proximity with the corresponding sub-slab soil-vapor samples. The single outdoor air sample was located outside the entrance to the curling center.

All Summa canisters were 6-liters in volume and equipped with 8-hour regulators and were monitored periodically during sampling.

Once sample collection was complete, a LiRo geologist closed the regulators and packed the canisters into the laboratory provided shipping containers and submitted the containers for shipment under chain-of-custody control to the York Analytical Laboratories, Inc. of Richmond Hill, New York.

SVI sub-slab soil-vapor, indoor air and outdoor air sample locations are presented in Figure 2. Laboratory Analytical Reports are provided in Appendix A and a Data Usability Report is provided in Appendix B. Air sample results were compared to the *New York State Department of Health's (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH GSV, 2006)* including updates provided by NYSDOH on their website.

One or more TO-15 VOCs were reported above laboratory reporting limits in all of the sub-slab, indoor and outdoor air sample results (Table 1). Three VOCs have criteria for indoor and outdoor air; Methylene Chloride with a guidance value of 60 $\mu g/m^3$, Tetrachloroethene with a guidance value of 30 $\mu g/m^3$ and Trichloroethene with a guidance value of 2 $\mu g/m^3$. These values were not exceeded in any of the indoor or outdoor air samples.

The laboratory reported concentrations of the TO-15 VOCs were compared to NYSDOH GSV Soil Vapor/Indoor Air Decision Matrices A, B and C, as summarized below.

AIR DECISION MATRIX REVIEW

The NYSDOH GSV decision matrices provide guidance on actions that should be taken to address current and potential exposures related to soil-vapor intrusion. The matrices provide concentration action levels for sub-slab vapor and indoor air.

Decision Matrix A

There are four compounds listed in the NYSDOH Soil Vapor/Indoor Air decision Matrix A: Carbon Tetrachloride (CTET), 1,1-Dichloroethene (1,1-DCE), cis-1,2-Dichloroethene (cis-1,2-DCE) and Trichloroethene (TCE). Two of these compounds CTET and TCE were reported above laboratory reporting limits. Table 2 shows a summary the Matrix A compound concentrations and associated NYSDOH response. All subslab/indoor air results returned a response of No Further Action.

Decision Matrix B

There are three compounds listed in the NYSDOH Soil Vapor/Indoor Air decision Matrix B: 1,1,1-Trichloroethane (1,1,1-TCA), Methylene Chloride (MC) and Tetrachloroethene also known as Perchloroethene (PCE). Table 2 shows a summary the Matrix B compound concentrations and associated NYSDOH response. All subslab/indoor air results returned a response of No Further Action.

Decision Matrix C

There is one compound listed in the NYSDOH Soil Vapor/Indoor Air decision Matrix C: Vinyl Chloride (VC). There were no concentrations of VC reported above laboratory reporting limits in any of the air samples collected from the Site.

Summary of Existing RI/Site Data

LiRo reviewed the Remedial Investigation (RI) Report (Conestoga Rovers and Associates dated September 2010) and previous Site investigation data that were appended to the RI to identify soil and groundwater sampling conducted proximal to the Change in Use Area. As shown on Figure 2, the Site remediation area was limited to the northwestern portion of the Site. The primary source of Site contamination was the Harrison Street Warehouse (Figure 2) where historical silver plating operations (unrelated to the Buffalo China plant) had taken place. Accordingly, the majority of site investigation data was focused in that area. There were, however, Site-wide borings completed.

Figure 3 shows boring and well locations that were proximal to the Change in Use area. Soil data from those borings were compared to NYSDEC Part 375 Commercial Soil Cleanup Objectives (CSCOs) for this evaluation and the data is summarized in Figure 4. Much of the historical sampling focused on metals, however several samples were also analyzed for VOCs and semivolatile organic compounds (SVOCs). As shown on Figure 4, only one sample (ISB-3) reported a contaminant level (for lead) that exceeded a CSCO. All other soil samples reported results that were below CSCOs. The lead concentration at ISB-3 also exceeded the industrial use SCO and was addressed by incorporating the building floor slab into the site cover system.

Groundwater sampling data was limited to locations MW-7 and MW-8. These wells were last sampled in 2020 as part of the Site Management Plan groundwater monitoring program. The results of the sampling at MW-7 and MW-8 are summarized in Figure 5. There were no VOCs detected at concentrations in excess of groundwater standards listed in NYSDEC TOGS 1.1.1. Well MW-8 was historically tested for lead; the lead concentration did not exceed the groundwater standard. Wells MW-1 and Well-MW-2 were likely sampled during an early Phase II investigation, however, no data from those wells were reported in the RI or records of previous investigations that were available. Because there was no follow-up sampling conducted at those locations, it is inferred that earlier testing results reported no impacts.

Copies of the historical soil and groundwater sampling data that were used in this evaluation are attached as Appendix C.

Qualitative Human Exposure Assessment (Change in Use Area)

Exposure is defined as the contact of a receptor (i.e., person) with a chemical or physical agent. The exposure assessment is an estimate of the magnitude, frequency, and duration of the exposure for each potential exposure route. An exposure assessment provides a systematic analysis of the potential exposure mechanisms by which a receptor may be exposed to chemical or physical agents at or originating from a study area. The objectives of an exposure assessment are as follows:

1. Characterization of exposure setting
2. Identification of potential exposure pathways
3. Quantification of the exposure

This exposure assessment addresses the first two objectives.

As part of the assessment process, potential exposure pathways are determined through an evaluation of the physical setting of the Site and the potentially exposed populations. As noted above, the Change in Use area has already been cleaned. Parking for the Change in Use area is in a paved lot adjacent to the warehouse (Figures 2 through 5) and the area is accessed via a paved driveway and sidewalk. The Change in Use area is entirely within the building footprint covered with a floor slab. It is currently being used as a curling rink by a private curling club.

The potentially exposed population includes Site commercial workers (club volunteers primarily), commercial users (club members) and construction workers. Based on historical results and the results of the SVI investigation discussed above, VOC contamination is not present at concentrations that exceed any NYSDEC or NYSDOH thresholds. Contaminants of potential concern (COPCs) in this portion of the Site are limited to lead in soil.

There was only one exceedance of the CSCO for lead reported in the historical data. The sample was collected beneath the building floor slab, which is part of the Site Cover System. Based on these conditions, there are no completed exposure pathways for commercial workers or commercial users. Construction workers could potentially be exposed to lead-contaminated soil beneath the floor slab, however, protections for construction workers are incorporated into the Site Management Plan.

In summary, the qualitative exposure assessment indicates no completed exposure pathway for soil and groundwater in the Change in Use area. The SVI data indicated that there are no VOCs in subslab vapor that require mitigation or monitoring (i.e., all results indicate No Further Action).

Please advise us of the next steps required to complete the Change in Use process. Should you require any additional information or wish to discuss our evaluation in more detail, please contact me directly at 716-882-5476 x423 or by email at franks@liro.com.

Sincerely,

LiRo Engineers, Inc.

Stephen Frank, PG
Senior Geologist

Cc
Scott Brady – Hayes Place Management Group, Inc.
Kevin Callahan – Hayes Place Management Group, Inc.

Attachments
Table 1 – 2021 Soil Vapor Intrusion Sampling Results
Table 2 - Comparison of Detected VOCs to NYSDOH Decision Matrices

Figure 1 – Site Location Map
Figure 2 – Site Plan, SVI Sample Locations and Existing BCP Cover System
Figure 3 – RI Sample Points and Wells Near Change in Use Area
Figure 4 – Historical Soil Sample Results
Figure 5 – Historical Groundwater Sample Results

Appendix A – SVI Laboratory Analytical Reports
Appendix B – SVI Data Usability Summary Reports
Appendix C – Historical Sampling Data

TABLES

TABLE - 1

2021 Soil Vapor Intrusion Sampling
Former Buffalo China Site
NYSDEC Site No. C915209

Parameters	*Units*	Matrix Indoor Air Concentration Range	Matrix Sub-slab Vapor Concentration Range	NYSDOH AGV	Location, Sample ID, Sample Date and Type				
					VMP-1	IA-1	VMP-2	IA-2	OA-1
					VMP-1	IA-1	VMP-2	IA-2	OA-1
					3/31/2021	3/31/2021	3/31/2021	3/31/2021	3/31/2021
					Sub-Slab	Indoor Air	Sub-Slab	Indoor Air	Ambient
1,1,1,2-Tetrachloroethane	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ug/m^3	3 to 10	100 to 1000	NC	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ug/m^3	NC	NC	NC	ND	0.6	ND	ND	ND
1,1,2-Trichloroethane	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
1,1-Dichloroethylene	ug/m^3	0.2 to 1	6 to 60	NC	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ug/m^3	NC	NC	NC	ND	ND	ND	0.7	ND
1,2-Dibromoethane	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
1,2-Dichlorotetrafluoroethane	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
1,3-Butadiene	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
1,3-Dichloropropane	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
1,4-Dioxane	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
2-Butanone	ug/m^3	NC	NC	NC	4.3	1.6	0.65	1.7	0.43
2-Hexanone	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
3-Chloropropene	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
Acetone	ug/m^3	NC	NC	NC	38	13	4	13	3.5
Acrylonitrile	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
Benzene	ug/m^3	NC	NC	NC	ND	0.5	0.7	0.54	0.31
Benzyl chloride	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
Bromodichloromethane	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
Bromoform	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
Bromomethane	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
Carbon disulfide	ug/m^3	NC	NC	NC	ND	ND	1.3	ND	ND
Carbon tetrachloride	ug/m^3	0.2 to 1	6 to 60	NC	0.43	0.45	0.32	0.45	0.41
Chlorobenzene	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
Chloroethane	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
Chloroform	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
Chloromethane	ug/m^3	NC	NC	NC	ND	1	ND	1	0.95
cis-1,2-Dichloroethylene	ug/m^3	0.2 to 1	6 to 60	NC	ND	ND	ND	ND	ND
cis-1,3-Dichloropropylene	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
Cyclohexane	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
Dibromochloromethane	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ug/m^3	NC	NC	NC	36	2.1	2.2	2.3	2.1
Ethyl acetate	ug/m^3	NC	NC	NC	ND	0.65	ND	1.1	ND
Ethyl Benzene	ug/m^3	NC	NC	NC	ND	0.79	ND	1.7	ND
Hexachlorobutadiene	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
Isopropanol	ug/m^3	NC	NC	NC	1.9	5	1.3	5.8	2.8
Methyl Methacrylate	ug/m^3	NC	NC	NC	ND	ND	ND	1.1	ND
Methyl tert-butyl ether (MTBE)	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
Methylene chloride	ug/m^3	3 to 10	100 to 1000	60	ND	2.8	1.2	6.1	0.76
n-Heptane	ug/m^3	NC	NC	NC	ND	0.52	1.9	0.73	ND
n-Hexane	ug/m^3	NC	NC	NC	0.61	0.89	1.1	1.2	0.34
o-Xylene	ug/m^3	NC	NC	NC	ND	1.2	ND	2.7	ND
p- & m- Xylenes	ug/m^3	NC	NC	NC	1.8	2.8	1.7	6.6	ND
p-Ethyltoluene	ug/m^3	NC	NC	NC	ND	ND	ND	0.53	ND
Propylene	ug/m^3	NC	NC	NC	ND	ND	0.52	1.5	ND
Styrene	ug/m^3	NC	NC	NC	ND	ND	ND	0.88	ND
Tetrachloroethylene	ug/m^3	3 to 10	100 to 1000	30	ND	0.69	ND	ND	ND
Tetrahydrofuran	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
Toluene	ug/m^3	NC	NC	NC	1.7	14	3	33	0.82
trans-1,2-Dichloroethylene	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
trans-1,3-Dichloropropylene	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
Trichloroethylene	ug/m^3	0.2 to 1	6 to 60	2	ND	0.3	ND	0.72	ND
Trichlorofluoromethane (Freon 11)	ug/m^3	NC	NC	NC	270	160	370	260	1.1
Vinyl acetate	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
Vinyl bromide	ug/m^3	NC	NC	NC	ND	ND	ND	ND	ND
Vinyl Chloride	ug/m^3	0.2 to >0.2	6 to 60	NC	ND	ND	ND	ND	ND

Notes:
ug/m3 - Micrograms per cubic meter
NC - No Criteria
ND - Not Detected

- Soil Vapor/Indoor Air Matrix A
- Soil Vapor/Indoor Air Matrix B
- Soil Vapor/Indoor Air Matrix C

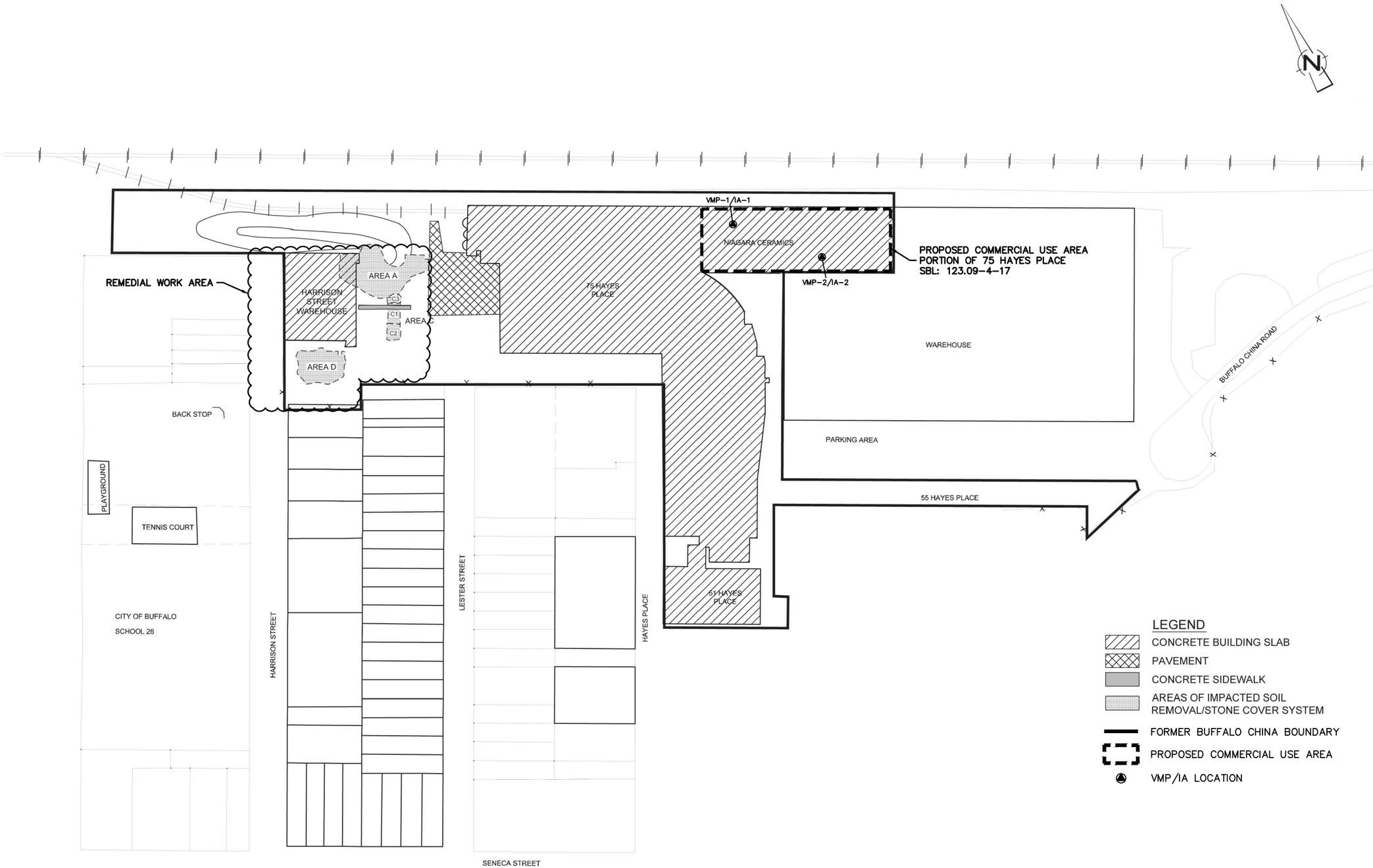
TABLE 2

Comparison of Detected VOCs to NYSDOH Decision Matrices
2021 Soil Vapor Intrusion Sampling
Former Buffalo China Site
NYSDEC Site No. C915209

Sub-Slab/Indoor Air Pairing	Sub-Slab Vapor Concentration ($\mu g/m^3$)	Indoor Air Concentration ($\mu g/m^3$)	NYSDOH Recommended Action
Trichloroethene (Matrix A)			
VMP-1/IA-1	ND	0.3	No Further Action
VMP-2/IA-2	ND	0.72	No Further Action
Carbon Tetrachloride (Matrix A)			
VMP-1/IA-1	0.43	0.45	No Further Action
VMP-2/IA-2	0.32	0.45	No Further Action
1,1-Dichloroethene (Matrix A)			
VMP-1/IA-1	ND	ND	No Further Action
VMP-2/IA-2	ND	ND	No Further Action
Cis-1,2-Dichloroethene (Matrix A)			
VMP-1/IA-1	ND	ND	No Further Action
VMP-2/IA-2	ND	ND	No Further Action
1,1,1-Trichloroethane (Matrix B)			
VMP-1/IA-1	ND	ND	No Further Action
VMP-2/IA-2	ND	ND	No Further Action
Methylene Chloride (Matrix B)			
VMP-1/IA-1	ND	2.8	No Further Action
VMP-2/IA-2	1.2	6.1	No Further Action
Tetrachloroethene (Matrix B)			
VMP-1/IA-1	ND	0.69	No Further Action
VMP-2/IA-2	ND	ND	No Further Action
Vinyl Chloride (Matrix C)			
VMP-1/IA-1	ND	ND	No Further Action
VMP-2/IA-2	ND	ND	No Further Action

Notes:
$\mu g/m^3$ - Micrograms per cubic meter.
ND - Compound not detected.

FIGURES



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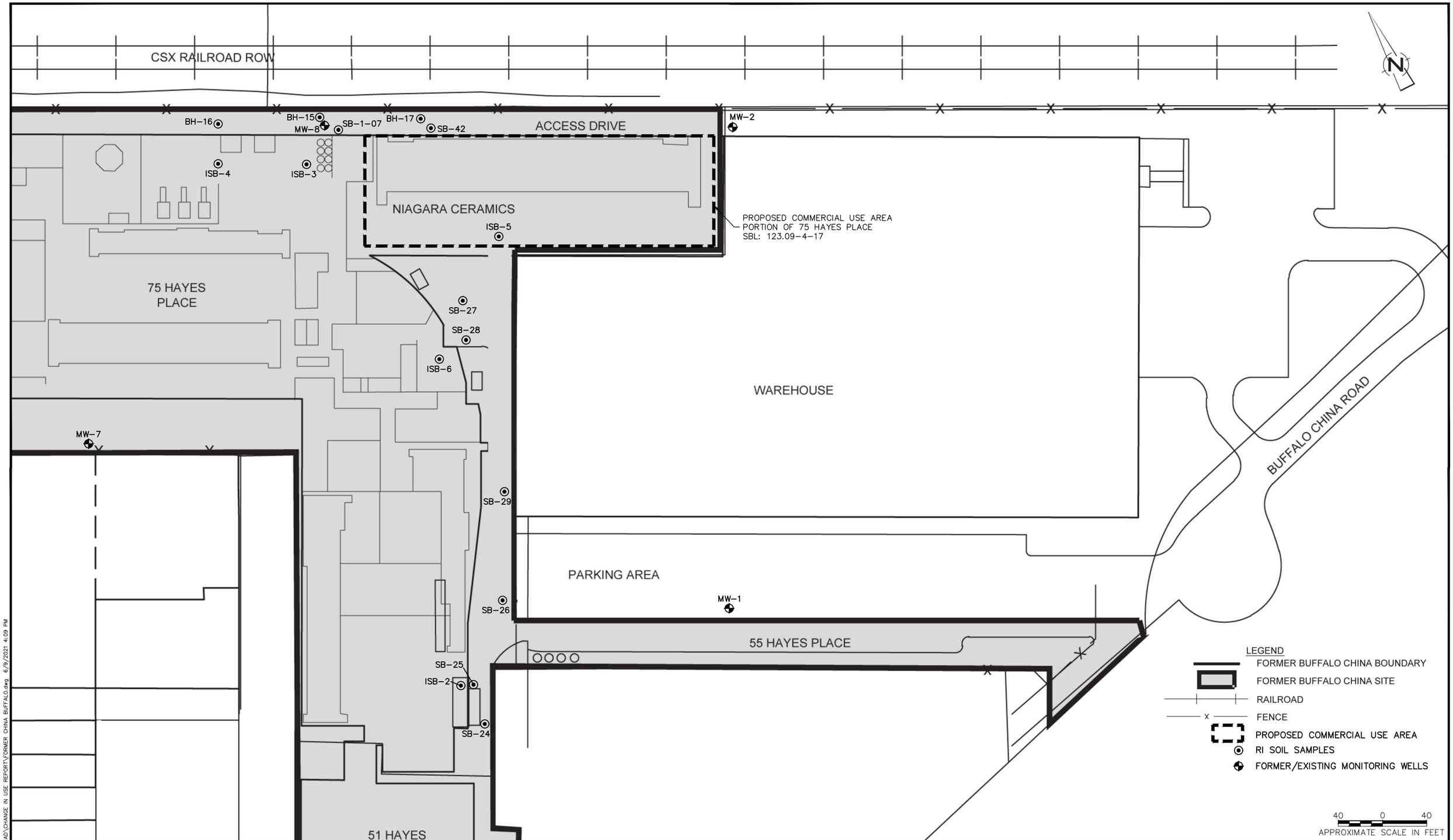
NO.	DATE	DESCRIPTION
		REVISIONS

LiRo Engineers, Inc.
690 Delaware Avenue
Buffalo, New York

PROJ. ENG.:	CLIENT: HAYES PLACE MANAGEMENT GROUP, INC.	JOB TITLE AND LOCATION: FORMER BUFFALO CHINA	LIRO JOB NO.: 16-344-1389
DESIGNED BY:			SHEET OF
CHECKED BY:		DRAWING TITLE: SITE PLAN, SVI SAMPLE LOCATIONS AND EXISTING BCP COVER SYSTEM	FIGURE NO. 2
DRAWN BY: A.M.K.	DATE: MAY 2021	SCALE: AS SHOWN	



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NO.	DATE	DESCRIPTION

REVISIONS

LiRo Engineers, Inc.
690 Delaware Avenue
Buffalo, New York

PROJ. ENG.:	CLIENT: HAYES PLACE MANAGEMENT GROUP, INC.	JOB TITLE AND LOCATION: FORMER BUFFALO CHINA	LIRO JOB NO.: 16-344-1389
DESIGNED BY:			SHEET OF
CHECKED BY:		DRAWING TITLE: RI SAMPLE POINTS AND WELLS NEAR CHANGE IN USE AREA	FIGURE NO. 3
DRAWN BY: A.M.K.	DATE: MAY 2021	SCALE: AS SHOWN	

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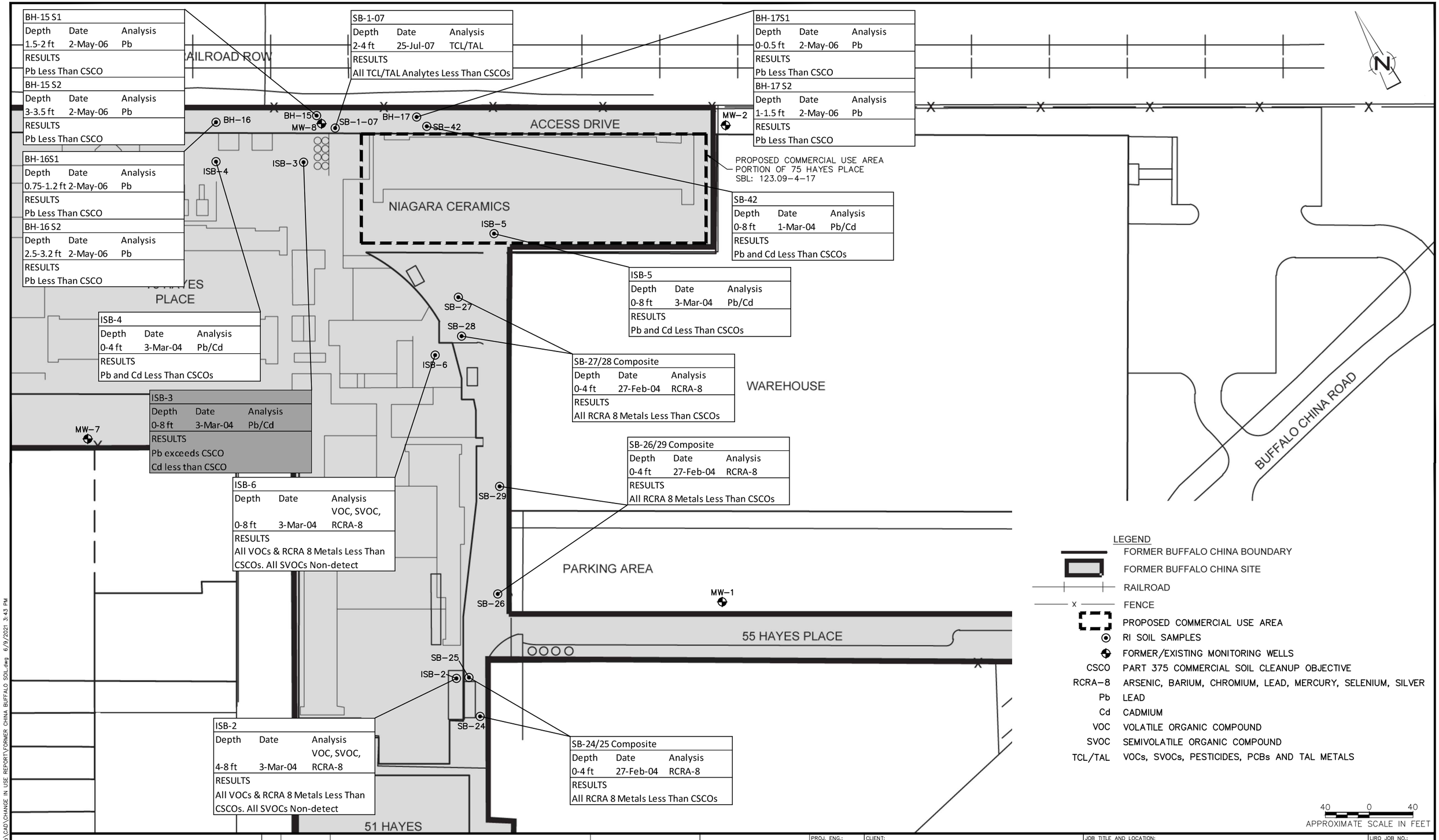

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NO.	DATE	DESCRIPTION
		REVISIONS

LiRo Engineers, Inc.
690 Delaware Avenue
Buffalo, New York

PROJ. ENG.:	
DESIGNED BY:	
CHECKED BY:	
DRAWN BY:	A.M.K.
CLIENT:	HAYES PLACE MANAGEMENT GROUP, INC.
DATE:	MAY 2021
SCALE:	AS SHOWN
JOB TITLE AND LOCATION:	FORMER BUFFALO CHINA
LIRO JOB NO.:	16-344-1389
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DRAWING TITLE:	HISTORICAL SOIL SAMPLE RESULTS
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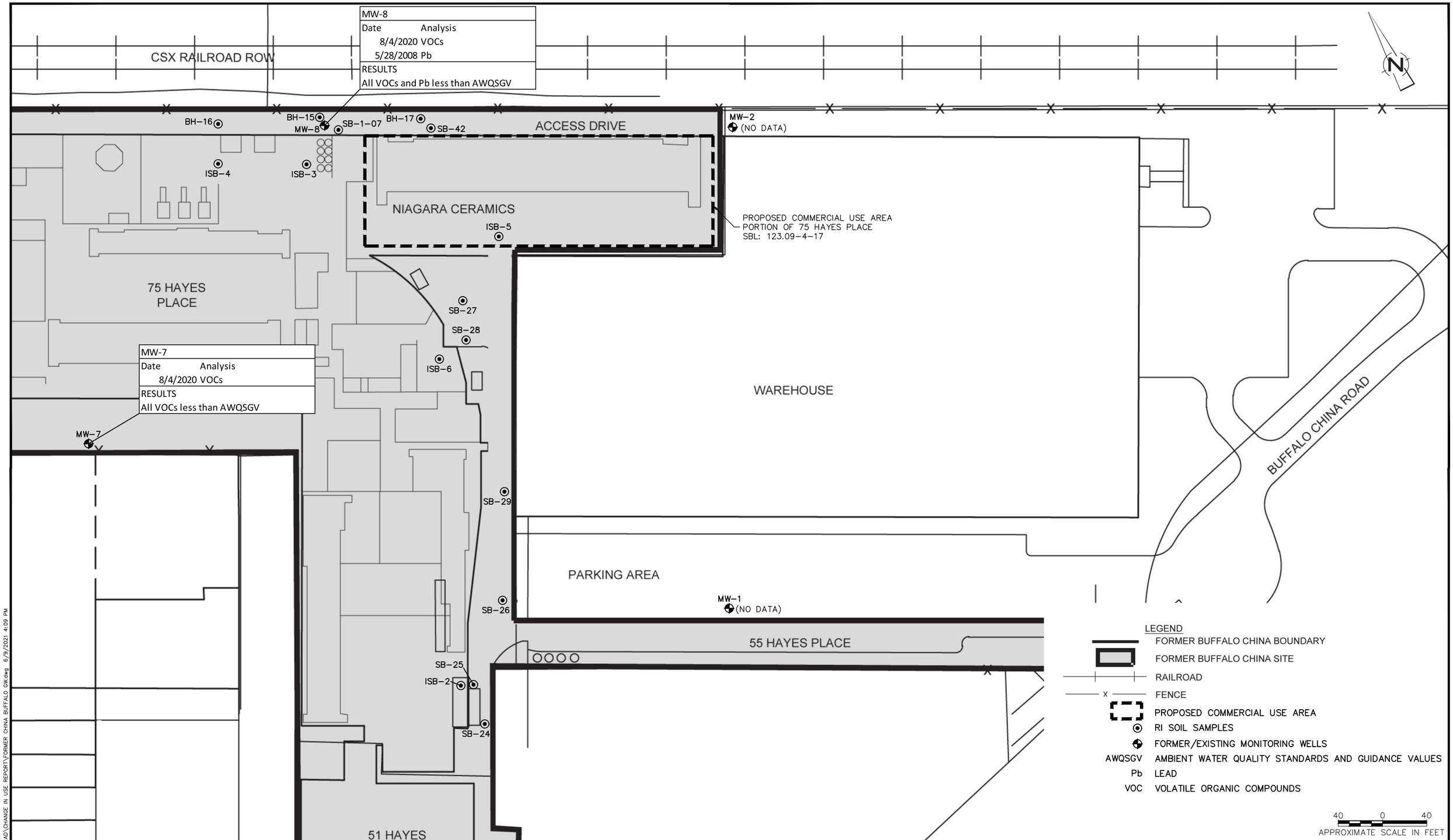

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NO.	DATE	DESCRIPTION

REVISIONS

LiRo Engineers, Inc.
690 Delaware Avenue
Buffalo, New York

PROJ. ENG.:	CLIENT: HAYES PLACE MANAGEMENT GROUP, INC.	JOB TITLE AND LOCATION: FORMER BUFFALO CHINA	LIRO JOB NO.: 16-344-1389
DESIGNED BY:			SHEET OF
CHECKED BY:		DRAWING TITLE: HISTORICAL GROUNDWATER SAMPLE RESULTS	FIGURE NO. 5
DRAWN BY: A.M.K.	DATE: MAY 2021	SCALE: AS SHOWN	

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APPENDIX A
SVI Laboratory Analytical Reports

Technical Report

prepared for:

LiRo Engineers (Buffalo, NY)
690 Delaware Ave.
Buffalo NY, 14209-2202
Attention: Steve Frank

Report Date: 04/13/2021
Client Project ID: 16-344-1389 Former Buffalo China Site
York Project (SDG) No.: 21D0416

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

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Report Date: 04/13/2021
Client Project ID: 16-344-1389 Former Buffalo China Site
York Project (SDG) No.: 21D0416

LiRo Engineers (Buffalo, NY)
690 Delaware Ave.
Buffalo NY, 14209-2202
Attention: Steve Frank

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 06, 2021 and listed below. The project was identified as your project: **16-344-1389 Former Buffalo China Site**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21D0416-01	VMP-1	Soil Vapor	03/31/2021	04/06/2021
21D0416-02	IA-1	Indoor Ambient Air	03/31/2021	04/06/2021
21D0416-03	VMP-2	Soil Vapor	03/31/2021	04/06/2021
21D0416-04	IA-2	Indoor Ambient Air	03/31/2021	04/06/2021
21D0416-05	OA-1	Outdoor Ambient Ai	03/31/2021	04/06/2021

General Notes for York Project (SDG) No.: 21D0416

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 04/13/2021

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: VMP-1 **York Sample ID:** 21D0416-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D0416	16-344-1389 Former Buffalo China Site	Soil Vapor	March 31, 2021 4:30 pm	04/06/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.2	1.724	EPA TO-15 Certifications:	04/12/2021 09:46	04/13/2021 07:18	LJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.94	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.2	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.3	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.94	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.70	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.17	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.3	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.85	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.3	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.0	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.70	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.80	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.2	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.85	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
106-99-0	1,3-Butadiene	ND		ug/m³	1.1	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.0	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.80	1.724	EPA TO-15 Certifications:	04/12/2021 09:46	04/13/2021 07:18	LJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.0	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
123-91-1	1,4-Dioxane	ND		ug/m³	1.2	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
78-93-3	**2-Butanone**	**4.3**		ug/m³	0.51	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
591-78-6	* 2-Hexanone	ND		ug/m³	1.4	1.724	EPA TO-15 Certifications:	04/12/2021 09:46	04/13/2021 07:18	LJ

Sample Information

Client Sample ID: VMP-1 **York Sample ID:** 21D0416-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D0416	16-344-1389 Former Buffalo China Site	Soil Vapor	March 31, 2021 4:30 pm	04/06/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	2.7	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.71	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
67-64-1	**Acetone**	**38**		ug/m³	0.82	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
107-13-1	Acrylonitrile	ND		ug/m³	0.37	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
71-43-2	Benzene	ND		ug/m³	0.55	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
100-44-7	Benzyl chloride	ND		ug/m³	0.89	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
75-27-4	Bromodichloromethane	ND		ug/m³	1.2	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
75-25-2	Bromoform	ND		ug/m³	1.8	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
74-83-9	Bromomethane	ND		ug/m³	0.67	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
75-15-0	Carbon disulfide	ND		ug/m³	0.54	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
56-23-5	**Carbon tetrachloride**	**0.43**		ug/m³	0.27	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
108-90-7	Chlorobenzene	ND		ug/m³	0.79	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
75-00-3	Chloroethane	ND		ug/m³	0.45	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
67-66-3	Chloroform	ND		ug/m³	0.84	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
74-87-3	Chloromethane	ND		ug/m³	0.36	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.17	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.78	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
110-82-7	Cyclohexane	ND		ug/m³	0.59	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
124-48-1	Dibromochloromethane	ND		ug/m³	1.5	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
75-71-8	**Dichlorodifluoromethane**	**36**		ug/m³	0.85	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
141-78-6	* Ethyl acetate	ND		ug/m³	1.2	1.724	EPA TO-15 Certifications:	04/12/2021 09:46	04/13/2021 07:18	LJ
100-41-4	Ethyl Benzene	ND		ug/m³	0.75	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.8	1.724	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 07:18	LJ

Sample Information

Client Sample ID: **VMP-1**

York Sample ID: **21D0416-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D0416	16-344-1389 Former Buffalo China Site	Soil Vapor	March 31, 2021 4:30 pm	04/06/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	**Isopropanol**	**1.9**		ug/m³	0.85	1.724	EPA TO-15	04/12/2021 09:46	04/13/2021 07:18	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	0.71	1.724	EPA TO-15	04/12/2021 09:46	04/13/2021 07:18	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.62	1.724	EPA TO-15	04/12/2021 09:46	04/13/2021 07:18	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	Methylene chloride	ND		ug/m³	1.2	1.724	EPA TO-15	04/12/2021 09:46	04/13/2021 07:18	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	n-Heptane	ND		ug/m³	0.71	1.724	EPA TO-15	04/12/2021 09:46	04/13/2021 07:18	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	**n-Hexane**	**0.61**		ug/m³	0.61	1.724	EPA TO-15	04/12/2021 09:46	04/13/2021 07:18	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	o-Xylene	ND		ug/m³	0.75	1.724	EPA TO-15	04/12/2021 09:46	04/13/2021 07:18	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**1.8**		ug/m³	1.5	1.724	EPA TO-15	04/12/2021 09:46	04/13/2021 07:18	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.85	1.724	EPA TO-15	04/12/2021 09:46	04/13/2021 07:18	LJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.30	1.724	EPA TO-15	04/12/2021 09:46	04/13/2021 07:18	LJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.73	1.724	EPA TO-15	04/12/2021 09:46	04/13/2021 07:18	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	Tetrachloroethylene	ND		ug/m³	1.2	1.724	EPA TO-15	04/12/2021 09:46	04/13/2021 07:18	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	* Tetrahydrofuran	ND		ug/m³	1.0	1.724	EPA TO-15	04/12/2021 09:46	04/13/2021 07:18	LJ
							Certifications:			
108-88-3	**Toluene**	**1.7**		ug/m³	0.65	1.724	EPA TO-15	04/12/2021 09:46	04/13/2021 07:18	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.68	1.724	EPA TO-15	04/12/2021 09:46	04/13/2021 07:18	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.78	1.724	EPA TO-15	04/12/2021 09:46	04/13/2021 07:18	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	Trichloroethylene	ND		ug/m³	0.23	1.724	EPA TO-15	04/12/2021 09:46	04/13/2021 07:18	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	**Trichlorofluoromethane (Freon 11)**	**270**		ug/m³	0.97	1.724	EPA TO-15	04/12/2021 09:46	04/13/2021 07:18	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	0.61	1.724	EPA TO-15	04/12/2021 09:46	04/13/2021 07:18	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	0.75	1.724	EPA TO-15	04/12/2021 09:46	04/13/2021 07:18	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	0.22	1.724	EPA TO-15	04/12/2021 09:46	04/13/2021 07:18	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: IA-1 **York Sample ID:** 21D0416-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D0416	16-344-1389 Former Buffalo China Site	Indoor Ambient Air	March 31, 2021 1:45 pm	04/06/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.54	0.787	EPA TO-15 Certifications:	04/12/2021 09:46	04/13/2021 04:23	LJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.43	0.787	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 04:23	LJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.54	0.787	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 04:23	LJ
76-13-1	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)**	**0.60**		ug/m³	0.60	0.787	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 04:23	LJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.43	0.787	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 04:23	LJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.32	0.787	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 04:23	LJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.078	0.787	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 04:23	LJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.58	0.787	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 04:23	LJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.39	0.787	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 04:23	LJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.60	0.787	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 04:23	LJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.47	0.787	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 04:23	LJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.32	0.787	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 04:23	LJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.36	0.787	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 04:23	LJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.55	0.787	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 04:23	LJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.39	0.787	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 04:23	LJ
106-99-0	1,3-Butadiene	ND		ug/m³	0.52	0.787	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 04:23	LJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.47	0.787	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 04:23	LJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.36	0.787	EPA TO-15 Certifications:	04/12/2021 09:46	04/13/2021 04:23	LJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.47	0.787	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 04:23	LJ
123-91-1	1,4-Dioxane	ND		ug/m³	0.57	0.787	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 04:23	LJ
78-93-3	**2-Butanone**	**1.6**		ug/m³	0.23	0.787	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 04:23	LJ
591-78-6	* 2-Hexanone	ND		ug/m³	0.64	0.787	EPA TO-15 Certifications:	04/12/2021 09:46	04/13/2021 04:23	LJ
107-05-1	3-Chloropropene	ND		ug/m³	1.2	0.787	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 04:23	LJ

Sample Information

Client Sample ID: IA-1 **York Sample ID:** 21D0416-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D0416	16-344-1389 Former Buffalo China Site	Indoor Ambient Air	March 31, 2021 1:45 pm	04/06/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.32	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	**Acetone**	**13**		ug/m³	0.37	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	0.17	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	**Benzene**	**0.50**		ug/m³	0.25	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	0.41	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	0.53	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	0.81	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	0.31	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	Carbon disulfide	ND		ug/m³	0.25	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	**Carbon tetrachloride**	**0.45**		ug/m³	0.12	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	0.36	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	0.21	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	Chloroform	ND		ug/m³	0.38	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	**Chloromethane**	**1.0**		ug/m³	0.16	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.078	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.36	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	Cyclohexane	ND		ug/m³	0.27	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	0.67	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	**Dichlorodifluoromethane**	**2.1**		ug/m³	0.39	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	*** Ethyl acetate**	**0.65**		ug/m³	0.57	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**0.79**		ug/m³	0.34	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.84	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**5.0**		ug/m³	0.39	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: IA-1 **York Sample ID:** 21D0416-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D0416	16-344-1389 Former Buffalo China Site	Indoor Ambient Air	March 31, 2021 1:45 pm	04/06/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m³	0.32	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.28	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	**Methylene chloride**	**2.8**		ug/m³	0.55	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	**n-Heptane**	**0.52**		ug/m³	0.32	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	**n-Hexane**	**0.89**		ug/m³	0.28	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	**o-Xylene**	**1.2**		ug/m³	0.34	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**2.8**		ug/m³	0.68	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.39	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.14	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	0.34	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**0.69**		ug/m³	0.53	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.46	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications:			
108-88-3	**Toluene**	**14**		ug/m³	0.30	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.31	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.36	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**0.30**		ug/m³	0.11	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	**Trichlorofluoromethane (Freon 11)**	**160**		ug/m³	0.44	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	0.28	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	0.34	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	0.10	0.787	EPA TO-15	04/12/2021 09:46	04/13/2021 04:23	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: VMP-2 **York Sample ID:** 21D0416-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D0416	16-344-1389 Former Buffalo China Site	Soil Vapor	March 31, 2021 4:26 pm	04/06/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.2	1.684	EPA TO-15 Certifications:	04/12/2021 09:46	04/13/2021 06:15	LJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.92	1.684	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 06:15	LJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.2	1.684	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 06:15	LJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.3	1.684	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 06:15	LJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.92	1.684	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 06:15	LJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.68	1.684	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 06:15	LJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.17	1.684	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 06:15	LJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.2	1.684	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 06:15	LJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.83	1.684	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 06:15	LJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.3	1.684	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 06:15	LJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.0	1.684	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 06:15	LJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.68	1.684	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 06:15	LJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.78	1.684	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 06:15	LJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.2	1.684	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 06:15	LJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.83	1.684	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 06:15	LJ
106-99-0	1,3-Butadiene	ND		ug/m³	1.1	1.684	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 06:15	LJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.0	1.684	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 06:15	LJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.78	1.684	EPA TO-15 Certifications:	04/12/2021 09:46	04/13/2021 06:15	LJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.0	1.684	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 06:15	LJ
123-91-1	1,4-Dioxane	ND		ug/m³	1.2	1.684	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 06:15	LJ
78-93-3	**2-Butanone**	**0.65**		ug/m³	0.50	1.684	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 06:15	LJ
591-78-6	* 2-Hexanone	ND		ug/m³	1.4	1.684	EPA TO-15 Certifications:	04/12/2021 09:46	04/13/2021 06:15	LJ
107-05-1	3-Chloropropene	ND		ug/m³	2.6	1.684	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 06:15	LJ

Sample Information

Client Sample ID: VMP-2 **York Sample ID:** 21D0416-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D0416	16-344-1389 Former Buffalo China Site	Soil Vapor	March 31, 2021 4:26 pm	04/06/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.69	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
67-64-1	**Acetone**	**4.0**		ug/m³	0.80	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
107-13-1	Acrylonitrile	ND		ug/m³	0.37	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
71-43-2	**Benzene**	**0.70**		ug/m³	0.54	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
100-44-7	Benzyl chloride	ND		ug/m³	0.87	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
75-27-4	Bromodichloromethane	ND		ug/m³	1.1	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
75-25-2	Bromoform	ND		ug/m³	1.7	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
74-83-9	Bromomethane	ND		ug/m³	0.65	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
75-15-0	**Carbon disulfide**	**1.3**		ug/m³	0.52	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
56-23-5	**Carbon tetrachloride**	**0.32**		ug/m³	0.26	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
108-90-7	Chlorobenzene	ND		ug/m³	0.78	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
75-00-3	Chloroethane	ND		ug/m³	0.44	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
67-66-3	Chloroform	ND		ug/m³	0.82	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
74-87-3	Chloromethane	ND		ug/m³	0.35	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.17	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.76	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
110-82-7	Cyclohexane	ND		ug/m³	0.58	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
124-48-1	Dibromochloromethane	ND		ug/m³	1.4	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
75-71-8	**Dichlorodifluoromethane**	**2.2**		ug/m³	0.83	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
141-78-6	* Ethyl acetate	ND		ug/m³	1.2	1.684	EPA TO-15 Certifications:	04/12/2021 09:46	04/13/2021 06:15	LJ
100-41-4	Ethyl Benzene	ND		ug/m³	0.73	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
87-68-3	Hexachlorobutadiene	ND		ug/m³	1.8	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
67-63-0	**Isopropanol**	**1.3**		ug/m³	0.83	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ

Sample Information

Client Sample ID: VMP-2 **York Sample ID:** 21D0416-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D0416	16-344-1389 Former Buffalo China Site	Soil Vapor	March 31, 2021 4:26 pm	04/06/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m³	0.69	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.61	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
75-09-2	**Methylene chloride**	**1.2**		ug/m³	1.2	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
142-82-5	**n-Heptane**	**1.9**		ug/m³	0.69	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
110-54-3	**n-Hexane**	**1.1**		ug/m³	0.59	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
95-47-6	o-Xylene	ND		ug/m³	0.73	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
179601-23-1	**p- & m- Xylenes**	**1.7**		ug/m³	1.5	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.83	1.684	EPA TO-15 Certifications:	04/12/2021 09:46	04/13/2021 06:15	LJ
115-07-1	*** Propylene**	**0.52**		ug/m³	0.29	1.684	EPA TO-15 Certifications:	04/12/2021 09:46	04/13/2021 06:15	LJ
100-42-5	Styrene	ND		ug/m³	0.72	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
127-18-4	Tetrachloroethylene	ND		ug/m³	1.1	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.99	1.684	EPA TO-15 Certifications:	04/12/2021 09:46	04/13/2021 06:15	LJ
108-88-3	**Toluene**	**3.0**		ug/m³	0.63	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.67	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.76	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
79-01-6	Trichloroethylene	ND		ug/m³	0.23	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
75-69-4	**Trichlorofluoromethane (Freon 11)**	**370**		ug/m³	0.95	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
108-05-4	Vinyl acetate	ND		ug/m³	0.59	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
593-60-2	Vinyl bromide	ND		ug/m³	0.74	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ
75-01-4	Vinyl Chloride	ND		ug/m³	0.22	1.684	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 06:15	LJ

Sample Information

Client Sample ID: IA-2 **York Sample ID:** 21D0416-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D0416	16-344-1389 Former Buffalo China Site	Indoor Ambient Air	March 31, 2021 4:05 pm	04/06/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.62	0.896	EPA TO-15 Certifications:	04/12/2021 09:46	04/13/2021 08:29	LJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.49	0.896	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 08:29	LJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.62	0.896	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 08:29	LJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.69	0.896	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 08:29	LJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.49	0.896	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 08:29	LJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.36	0.896	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 08:29	LJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.089	0.896	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 08:29	LJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.66	0.896	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 08:29	LJ
95-63-6	**1,2,4-Trimethylbenzene**	**0.70**		ug/m³	0.44	0.896	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 08:29	LJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.69	0.896	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 08:29	LJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.54	0.896	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 08:29	LJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.36	0.896	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 08:29	LJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.41	0.896	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 08:29	LJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.63	0.896	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 08:29	LJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.44	0.896	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 08:29	LJ
106-99-0	1,3-Butadiene	ND		ug/m³	0.59	0.896	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 08:29	LJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.54	0.896	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 08:29	LJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.41	0.896	EPA TO-15 Certifications:	04/12/2021 09:46	04/13/2021 08:29	LJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.54	0.896	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 08:29	LJ
123-91-1	1,4-Dioxane	ND		ug/m³	0.65	0.896	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 08:29	LJ
78-93-3	**2-Butanone**	**1.7**		ug/m³	0.26	0.896	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 08:29	LJ
591-78-6	* 2-Hexanone	ND		ug/m³	0.73	0.896	EPA TO-15 Certifications:	04/12/2021 09:46	04/13/2021 08:29	LJ
107-05-1	3-Chloropropene	ND		ug/m³	1.4	0.896	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 08:29	LJ

Sample Information

Client Sample ID: IA-2 **York Sample ID:** 21D0416-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D0416	16-344-1389 Former Buffalo China Site	Indoor Ambient Air	March 31, 2021 4:05 pm	04/06/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.37	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	**Acetone**	**13**		ug/m³	0.43	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	0.19	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	**Benzene**	**0.54**		ug/m³	0.29	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	0.46	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	0.60	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	0.93	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	0.35	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	Carbon disulfide	ND		ug/m³	0.28	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	**Carbon tetrachloride**	**0.45**		ug/m³	0.14	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	0.41	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	0.24	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	Chloroform	ND		ug/m³	0.44	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	**Chloromethane**	**1.0**		ug/m³	0.19	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.089	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.41	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	Cyclohexane	ND		ug/m³	0.31	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	0.76	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	**Dichlorodifluoromethane**	**2.3**		ug/m³	0.44	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	*** Ethyl acetate**	**1.1**		ug/m³	0.65	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**1.7**		ug/m³	0.39	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.96	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**5.8**		ug/m³	0.44	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: IA-2 **York Sample ID:** 21D0416-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D0416	16-344-1389 Former Buffalo China Site	Indoor Ambient Air	March 31, 2021 4:05 pm	04/06/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	**Methyl Methacrylate**	**1.1**		ug/m³	0.37	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.32	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	**Methylene chloride**	**6.1**		ug/m³	0.62	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	**n-Heptane**	**0.73**		ug/m³	0.37	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	**n-Hexane**	**1.2**		ug/m³	0.32	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	**o-Xylene**	**2.7**		ug/m³	0.39	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**6.6**		ug/m³	0.78	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	*** p-Ethyltoluene**	**0.53**		ug/m³	0.44	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications:			
115-07-1	*** Propylene**	**1.5**		ug/m³	0.15	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications:			
100-42-5	**Styrene**	**0.88**		ug/m³	0.38	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	Tetrachloroethylene	ND		ug/m³	0.61	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.53	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications:			
108-88-3	**Toluene**	**33**		ug/m³	0.34	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.36	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.41	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**0.72**		ug/m³	0.12	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	**Trichlorofluoromethane (Freon 11)**	**260**		ug/m³	1.9	3.36	EPA TO-15	04/13/2021 11:39	04/13/2021 15:57	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	0.32	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	0.39	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	0.11	0.896	EPA TO-15	04/12/2021 09:46	04/13/2021 08:29	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: **OA-1** **York Sample ID:** **21D0416-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D0416	16-344-1389 Former Buffalo China Site	Outdoor Ambient Air	March 31, 2021 4:23 pm	04/06/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	0.55	0.808	EPA TO-15 Certifications:	04/12/2021 09:46	04/13/2021 09:39	LJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	0.44	0.808	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 09:39	LJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	0.55	0.808	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 09:39	LJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	0.62	0.808	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 09:39	LJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	0.44	0.808	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 09:39	LJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.33	0.808	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 09:39	LJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.080	0.808	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 09:39	LJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	0.60	0.808	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 09:39	LJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.40	0.808	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 09:39	LJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	0.62	0.808	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 09:39	LJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	0.49	0.808	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 09:39	LJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.33	0.808	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 09:39	LJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.37	0.808	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 09:39	LJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	0.56	0.808	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 09:39	LJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.40	0.808	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 09:39	LJ
106-99-0	1,3-Butadiene	ND		ug/m³	0.54	0.808	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 09:39	LJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	0.49	0.808	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 09:39	LJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.37	0.808	EPA TO-15 Certifications:	04/12/2021 09:46	04/13/2021 09:39	LJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	0.49	0.808	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 09:39	LJ
123-91-1	1,4-Dioxane	ND		ug/m³	0.58	0.808	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 09:39	LJ
78-93-3	**2-Butanone**	**0.43**		ug/m³	0.24	0.808	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 09:39	LJ
591-78-6	* 2-Hexanone	ND		ug/m³	0.66	0.808	EPA TO-15 Certifications:	04/12/2021 09:46	04/13/2021 09:39	LJ
107-05-1	3-Chloropropene	ND		ug/m³	1.3	0.808	EPA TO-15 Certifications:	04/12/2021 09:46 NELAC-NY12058,NJDEP-Queens	04/13/2021 09:39	LJ

Sample Information

Client Sample ID: OA-1 **York Sample ID:** 21D0416-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D0416	16-344-1389 Former Buffalo China Site	Outdoor Ambient Air	March 31, 2021 4:23 pm	04/06/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.33	0.808	EPA TO-15	04/12/2021 09:46	04/13/2021 09:39	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-64-1	**Acetone**	**3.5**		ug/m³	0.38	0.808	EPA TO-15	04/12/2021 09:46	04/13/2021 09:39	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
107-13-1	Acrylonitrile	ND		ug/m³	0.18	0.808	EPA TO-15	04/12/2021 09:46	04/13/2021 09:39	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
71-43-2	**Benzene**	**0.31**		ug/m³	0.26	0.808	EPA TO-15	04/12/2021 09:46	04/13/2021 09:39	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
100-44-7	Benzyl chloride	ND		ug/m³	0.42	0.808	EPA TO-15	04/12/2021 09:46	04/13/2021 09:39	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-27-4	Bromodichloromethane	ND		ug/m³	0.54	0.808	EPA TO-15	04/12/2021 09:46	04/13/2021 09:39	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-25-2	Bromoform	ND		ug/m³	0.84	0.808	EPA TO-15	04/12/2021 09:46	04/13/2021 09:39	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-83-9	Bromomethane	ND		ug/m³	0.31	0.808	EPA TO-15	04/12/2021 09:46	04/13/2021 09:39	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-15-0	Carbon disulfide	ND		ug/m³	0.25	0.808	EPA TO-15	04/12/2021 09:46	04/13/2021 09:39	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
56-23-5	**Carbon tetrachloride**	**0.41**		ug/m³	0.13	0.808	EPA TO-15	04/12/2021 09:46	04/13/2021 09:39	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-90-7	Chlorobenzene	ND		ug/m³	0.37	0.808	EPA TO-15	04/12/2021 09:46	04/13/2021 09:39	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-00-3	Chloroethane	ND		ug/m³	0.21	0.808	EPA TO-15	04/12/2021 09:46	04/13/2021 09:39	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-66-3	Chloroform	ND		ug/m³	0.39	0.808	EPA TO-15	04/12/2021 09:46	04/13/2021 09:39	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
74-87-3	**Chloromethane**	**0.95**		ug/m³	0.17	0.808	EPA TO-15	04/12/2021 09:46	04/13/2021 09:39	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.080	0.808	EPA TO-15	04/12/2021 09:46	04/13/2021 09:39	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.37	0.808	EPA TO-15	04/12/2021 09:46	04/13/2021 09:39	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-82-7	Cyclohexane	ND		ug/m³	0.28	0.808	EPA TO-15	04/12/2021 09:46	04/13/2021 09:39	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
124-48-1	Dibromochloromethane	ND		ug/m³	0.69	0.808	EPA TO-15	04/12/2021 09:46	04/13/2021 09:39	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-71-8	**Dichlorodifluoromethane**	**2.1**		ug/m³	0.40	0.808	EPA TO-15	04/12/2021 09:46	04/13/2021 09:39	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
141-78-6	* Ethyl acetate	ND		ug/m³	0.58	0.808	EPA TO-15	04/12/2021 09:46	04/13/2021 09:39	LJ
							Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	0.35	0.808	EPA TO-15	04/12/2021 09:46	04/13/2021 09:39	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	0.86	0.808	EPA TO-15	04/12/2021 09:46	04/13/2021 09:39	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**2.8**		ug/m³	0.40	0.808	EPA TO-15	04/12/2021 09:46	04/13/2021 09:39	LJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: OA-1 **York Sample ID:** 21D0416-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21D0416	16-344-1389 Former Buffalo China Site	Outdoor Ambient Air	March 31, 2021 4:23 pm	04/06/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m³	0.33	0.808	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 09:39	LJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.29	0.808	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 09:39	LJ
75-09-2	**Methylene chloride**	**0.76**		ug/m³	0.56	0.808	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 09:39	LJ
142-82-5	n-Heptane	ND		ug/m³	0.33	0.808	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 09:39	LJ
110-54-3	**n-Hexane**	**0.34**		ug/m³	0.28	0.808	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 09:39	LJ
95-47-6	o-Xylene	ND		ug/m³	0.35	0.808	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 09:39	LJ
179601-23-1	p- & m- Xylenes	ND		ug/m³	0.70	0.808	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 09:39	LJ
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.40	0.808	EPA TO-15 Certifications:	04/12/2021 09:46	04/13/2021 09:39	LJ
115-07-1	* Propylene	ND		ug/m³	0.14	0.808	EPA TO-15 Certifications:	04/12/2021 09:46	04/13/2021 09:39	LJ
100-42-5	Styrene	ND		ug/m³	0.34	0.808	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 09:39	LJ
127-18-4	Tetrachloroethylene	ND		ug/m³	0.55	0.808	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 09:39	LJ
109-99-9	* Tetrahydrofuran	ND		ug/m³	0.48	0.808	EPA TO-15 Certifications:	04/12/2021 09:46	04/13/2021 09:39	LJ
108-88-3	**Toluene**	**0.82**		ug/m³	0.30	0.808	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 09:39	LJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.32	0.808	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 09:39	LJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.37	0.808	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 09:39	LJ
79-01-6	Trichloroethylene	ND		ug/m³	0.11	0.808	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 09:39	LJ
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.1**		ug/m³	0.45	0.808	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 09:39	LJ
108-05-4	Vinyl acetate	ND		ug/m³	0.28	0.808	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 09:39	LJ
593-60-2	Vinyl bromide	ND		ug/m³	0.35	0.808	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 09:39	LJ
75-01-4	Vinyl Chloride	ND		ug/m³	0.10	0.808	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/12/2021 09:46	04/13/2021 09:39	LJ

Analytical Batch Summary

Batch ID: BD10576 **Preparation Method:** EPA TO15 PREP **Prepared By:** LJ

YORK Sample ID	Client Sample ID	Preparation Date
21D0416-01	VMP-1	04/12/21
21D0416-02	IA-1	04/12/21
21D0416-03	VMP-2	04/12/21
21D0416-04	IA-2	04/12/21
21D0416-05	OA-1	04/12/21
BD10576-BLK1	Blank	04/12/21
BD10576-BLK2	Blank	04/12/21
BD10576-BLK3	Blank	04/12/21
BD10576-BS1	LCS	04/12/21
BD10576-DUP1	Duplicate	04/12/21

Batch ID: BD10611 **Preparation Method:** EPA TO15 PREP **Prepared By:** LJ

YORK Sample ID	Client Sample ID	Preparation Date
21D0416-04RE1	IA-2	04/13/21
BD10611-BLK1	Blank	04/13/21
BD10611-BS1	LCS	04/13/21

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD10576 - EPA TO15 PREP											
Blank (BD10576-BLK1)											Prepared & Analyzed: 04/12/2021
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD10576 - EPA TO15 PREP											
Blank (BD10576-BLK1)											Prepared & Analyzed: 04/12/2021
n-Heptane	ND	0.41	ug/m³								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								
Blank (BD10576-BLK2)											Prepared & Analyzed: 04/12/2021
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD10576 - EPA TO15 PREP											
Blank (BD10576-BLK2)											Prepared & Analyzed: 04/12/2021
Carbon tetrachloride	ND	0.16	ug/m³								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD10576 - EPA TO15 PREP											
Blank (BD10576-BLK3)											
Prepared: 04/12/2021 Analyzed: 04/13/2021											
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD10576 - EPA TO15 PREP											
Blank (BD10576-BLK3)											Prepared: 04/12/2021 Analyzed: 04/13/2021
n-Hexane	ND	0.35	ug/m³								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								
LCS (BD10576-BS1)											Prepared & Analyzed: 04/12/2021
1,1,1,2-Tetrachloroethane	9.12		ppbv	10.0		91.2	70-130				
1,1,1-Trichloroethane	8.70		"	10.0		87.0	70-130				
1,1,2,2-Tetrachloroethane	9.37		"	10.0		93.7	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.03		"	10.0		90.3	70-130				
1,1,2-Trichloroethane	9.58		"	10.0		95.8	70-130				
1,1-Dichloroethane	8.47		"	10.0		84.7	70-130				
1,1-Dichloroethylene	8.43		"	10.0		84.3	70-130				
1,2,4-Trichlorobenzene	7.81		"	10.0		78.1	70-130				
1,2,4-Trimethylbenzene	9.52		"	10.0		95.2	70-130				
1,2-Dibromoethane	9.44		"	10.0		94.4	70-130				
1,2-Dichlorobenzene	8.45		"	10.0		84.5	70-130				
1,2-Dichloroethane	8.20		"	10.0		82.0	70-130				
1,2-Dichloropropane	9.54		"	10.0		95.4	70-130				
1,2-Dichlorotetrafluoroethane	8.85		"	10.0		88.5	70-130				
1,3,5-Trimethylbenzene	9.43		"	10.0		94.3	70-130				
1,3-Butadiene	8.54		"	10.0		85.4	70-130				
1,3-Dichlorobenzene	8.65		"	10.0		86.5	70-130				
1,3-Dichloropropane	9.22		"	10.0		92.2	70-130				
1,4-Dichlorobenzene	8.56		"	10.0		85.6	70-130				
1,4-Dioxane	8.19		"	10.0		81.9	70-130				
2-Butanone	8.82		"	10.0		88.2	70-130				
2-Hexanone	9.20		"	10.0		92.0	70-130				
3-Chloropropene	9.46		"	10.0		94.6	70-130				
4-Methyl-2-pentanone	9.30		"	10.0		93.0	70-130				
Acetone	7.56		"	10.0		75.6	70-130				
Acrylonitrile	9.50		"	10.0		95.0	70-130				
Benzene	8.90		"	10.0		89.0	70-130				
Benzyl chloride	9.71		"	10.0		97.1	70-130				
Bromodichloromethane	9.50		"	10.0		95.0	70-130				
Bromoform	9.90		"	10.0		99.0	70-130				
Bromomethane	7.28		"	10.0		72.8	70-130				
Carbon disulfide	9.21		"	10.0		92.1	70-130				
Carbon tetrachloride	8.34		"	10.0		83.4	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD10576 - EPA TO15 PREP											
LCS (BD10576-BS1)								Prepared & Analyzed: 04/12/2021			
Chlorobenzene	8.76		ppbv	10.0		87.6	70-130				
Chloroethane	7.34		"	10.0		73.4	70-130				
Chloroform	8.67		"	10.0		86.7	70-130				
Chloromethane	8.15		"	10.0		81.5	70-130				
cis-1,2-Dichloroethylene	8.44		"	10.0		84.4	70-130				
cis-1,3-Dichloropropylene	9.75		"	10.0		97.5	70-130				
Cyclohexane	9.78		"	10.0		97.8	70-130				
Dibromochloromethane	9.76		"	10.0		97.6	70-130				
Dichlorodifluoromethane	8.34		"	10.0		83.4	70-130				
Ethyl acetate	9.10		"	10.0		91.0	70-130				
Ethyl Benzene	9.30		"	10.0		93.0	70-130				
Hexachlorobutadiene	8.11		"	10.0		81.1	70-130				
Isopropanol	7.94		"	10.0		79.4	70-130				
Methyl Methacrylate	9.88		"	10.0		98.8	70-130				
Methyl tert-butyl ether (MTBE)	8.86		"	10.0		88.6	70-130				
Methylene chloride	8.32		"	10.0		83.2	70-130				
n-Heptane	9.57		"	10.0		95.7	70-130				
n-Hexane	8.47		"	10.0		84.7	70-130				
o-Xylene	9.60		"	10.0		96.0	70-130				
p- & m- Xylenes	18.7		"	20.0		93.6	70-130				
p-Ethyltoluene	9.54		"	10.0		95.4	70-130				
Propylene	8.85		"	10.0		88.5	70-130				
Styrene	9.77		"	10.0		97.7	70-130				
Tetrachloroethylene	8.75		"	10.0		87.5	70-130				
Tetrahydrofuran	8.88		"	10.0		88.8	70-130				
Toluene	9.29		"	10.0		92.9	70-130				
trans-1,2-Dichloroethylene	8.78		"	10.0		87.8	70-130				
trans-1,3-Dichloropropylene	9.80		"	10.0		98.0	70-130				
Trichloroethylene	8.95		"	10.0		89.5	70-130				
Trichlorofluoromethane (Freon 11)	8.65		"	10.0		86.5	70-130				
Vinyl acetate	7.96		"	10.0		79.6	70-130				
Vinyl bromide	9.65		"	10.0		96.5	70-130				
Vinyl Chloride	7.87		"	10.0		78.7	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD10576 - EPA TO15 PREP											
Duplicate (BD10576-DUP1)	*Source sample: 21D0194-01 (Duplicate)								Prepared & Analyzed: 04/12/2021		
1,1,1,2-Tetrachloroethane	ND	1.0	ug/m³		ND					25	
1,1,1-Trichloroethane	ND	0.80	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	1.0	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.1	"		ND					25	
1,1,2-Trichloroethane	ND	0.80	"		ND					25	
1,1-Dichloroethane	ND	0.59	"		ND					25	
1,1-Dichloroethylene	ND	0.14	"		ND					25	
1,2,4-Trichlorobenzene	ND	1.1	"		ND					25	
1,2,4-Trimethylbenzene	ND	0.72	"		ND					25	
1,2-Dibromoethane	ND	1.1	"		ND					25	
1,2-Dichlorobenzene	ND	0.88	"		ND					25	
1,2-Dichloroethane	ND	0.59	"		ND					25	
1,2-Dichloropropane	ND	0.67	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	1.0	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.72	"		ND					25	
1,3-Butadiene	ND	0.97	"		ND					25	
1,3-Dichlorobenzene	ND	0.88	"		ND					25	
1,3-Dichloropropane	ND	0.67	"		ND					25	
1,4-Dichlorobenzene	ND	0.88	"		ND					25	
1,4-Dioxane	ND	1.0	"		ND					25	
2-Butanone	0.56	0.43	"		0.52				8.00	25	
2-Hexanone	ND	1.2	"		ND					25	
3-Chloropropene	ND	2.3	"		ND					25	
4-Methyl-2-pentanone	ND	0.60	"		ND					25	
Acetone	3.2	0.69	"		3.3				1.07	25	
Acrylonitrile	ND	0.32	"		ND					25	
Benzene	ND	0.47	"		ND					25	
Benzyl chloride	ND	0.75	"		ND					25	
Bromodichloromethane	ND	0.98	"		ND					25	
Bromoform	ND	1.5	"		ND					25	
Bromomethane	ND	0.57	"		ND					25	
Carbon disulfide	ND	0.45	"		ND					25	
Carbon tetrachloride	0.37	0.23	"		0.37				0.00	25	
Chlorobenzene	ND	0.67	"		ND					25	
Chloroethane	ND	0.38	"		ND					25	
Chloroform	ND	0.71	"		ND					25	
Chloromethane	1.0	0.30	"		1.3				21.1	25	
cis-1,2-Dichloroethylene	ND	0.14	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.66	"		ND					25	
Cyclohexane	ND	0.50	"		ND					25	
Dibromochloromethane	ND	1.2	"		ND					25	
Dichlorodifluoromethane	2.0	0.72	"		2.0				0.00	25	
Ethyl acetate	ND	1.0	"		ND					25	
Ethyl Benzene	ND	0.63	"		ND					25	
Hexachlorobutadiene	ND	1.6	"		ND					25	
Isopropanol	2.0	0.72	"		1.9				5.50	25	
Methyl Methacrylate	ND	0.60	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	0.53	"		ND					25	
Methylene chloride	3.8	1.0	"		4.0				6.45	25	
n-Heptane	ND	0.60	"		ND					25	

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD10576 - EPA TO15 PREP											
Duplicate (BD10576-DUP1)	*Source sample: 21D0194-01 (Duplicate)								Prepared & Analyzed: 04/12/2021		
n-Hexane	0.46	0.51	ug/m³		0.56				20.0	25	
o-Xylene	ND	0.63	"		ND					25	
p- & m- Xylenes	ND	1.3	"		ND					25	
p-Ethyltoluene	ND	0.72	"		ND					25	
Propylene	ND	0.25	"		ND					25	
Styrene	ND	0.62	"		ND					25	
Tetrachloroethylene	6.4	0.99	"		5.1				22.2	25	
Tetrahydrofuran	ND	0.86	"		ND					25	
Toluene	0.33	0.55	"		0.33				0.00	25	
trans-1,2-Dichloroethylene	ND	0.58	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.66	"		ND					25	
Trichloroethylene	ND	0.20	"		ND					25	
Trichlorofluoromethane (Freon 11)	1.1	0.82	"		1.1				0.00	25	
Vinyl acetate	ND	0.51	"		ND					25	
Vinyl bromide	ND	0.64	"		ND					25	
Vinyl Chloride	ND	0.19	"		ND					25	
Batch BD10611 - EPA TO15 PREP											
Blank (BD10611-BLK1)									Prepared & Analyzed: 04/13/2021		
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD10611 - EPA TO15 PREP											
Blank (BD10611-BLK1)											Prepared & Analyzed: 04/13/2021
Carbon disulfide	ND	0.31	ug/m³								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BD10611 - EPA TO15 PREP

LCS (BD10611-BS1) Prepared & Analyzed: 04/13/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	9.60		ppbv	10.0		96.0	70-130				
1,1,1-Trichloroethane	9.77		"	10.0		97.7	70-130				
1,1,2,2-Tetrachloroethane	9.76		"	10.0		97.6	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.81		"	10.0		98.1	70-130				
1,1,2-Trichloroethane	9.99		"	10.0		99.9	70-130				
1,1-Dichloroethane	9.14		"	10.0		91.4	70-130				
1,1-Dichloroethylene	9.17		"	10.0		91.7	70-130				
1,2,4-Trichlorobenzene	8.58		"	10.0		85.8	70-130				
1,2,4-Trimethylbenzene	10.2		"	10.0		102	70-130				
1,2-Dibromoethane	10.0		"	10.0		100	70-130				
1,2-Dichlorobenzene	9.20		"	10.0		92.0	70-130				
1,2-Dichloroethane	9.27		"	10.0		92.7	70-130				
1,2-Dichloropropane	9.60		"	10.0		96.0	70-130				
1,2-Dichlorotetrafluoroethane	9.97		"	10.0		99.7	70-130				
1,3,5-Trimethylbenzene	10.0		"	10.0		100	70-130				
1,3-Butadiene	9.33		"	10.0		93.3	70-130				
1,3-Dichlorobenzene	9.30		"	10.0		93.0	70-130				
1,3-Dichloropropane	9.63		"	10.0		96.3	70-130				
1,4-Dichlorobenzene	9.27		"	10.0		92.7	70-130				
1,4-Dioxane	8.42		"	10.0		84.2	70-130				
2-Butanone	9.21		"	10.0		92.1	70-130				
2-Hexanone	9.53		"	10.0		95.3	70-130				
3-Chloropropene	9.84		"	10.0		98.4	70-130				
4-Methyl-2-pentanone	9.56		"	10.0		95.6	70-130				
Acetone	8.16		"	10.0		81.6	70-130				
Acrylonitrile	9.72		"	10.0		97.2	70-130				
Benzene	9.37		"	10.0		93.7	70-130				
Benzyl chloride	10.5		"	10.0		105	70-130				
Bromodichloromethane	10.2		"	10.0		102	70-130				
Bromoform	10.7		"	10.0		107	70-130				
Bromomethane	9.60		"	10.0		96.0	70-130				
Carbon disulfide	9.76		"	10.0		97.6	70-130				
Carbon tetrachloride	9.44		"	10.0		94.4	70-130				
Chlorobenzene	9.04		"	10.0		90.4	70-130				
Chloroethane	10.7		"	10.0		107	70-130				
Chloroform	9.54		"	10.0		95.4	70-130				
Chloromethane	8.91		"	10.0		89.1	70-130				
cis-1,2-Dichloroethylene	8.95		"	10.0		89.5	70-130				
cis-1,3-Dichloropropylene	10.2		"	10.0		102	70-130				
Cyclohexane	9.99		"	10.0		99.9	70-130				
Dibromochloromethane	10.5		"	10.0		105	70-130				
Dichlorodifluoromethane	9.54		"	10.0		95.4	70-130				
Ethyl acetate	9.52		"	10.0		95.2	70-130				
Ethyl Benzene	9.67		"	10.0		96.7	70-130				
Hexachlorobutadiene	8.99		"	10.0		89.9	70-130				
Isopropanol	8.31		"	10.0		83.1	70-130				
Methyl Methacrylate	10.1		"	10.0		101	70-130				
Methyl tert-butyl ether (MTBE)	9.69		"	10.0		96.9	70-130				
Methylene chloride	8.83		"	10.0		88.3	70-130				
n-Heptane	9.87		"	10.0		98.7	70-130				

Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD10611 - EPA TO15 PREP											
LCS (BD10611-BS1)								Prepared & Analyzed: 04/13/2021			
n-Hexane	8.75		ppbv	10.0		87.5	70-130				
o-Xylene	10.1		"	10.0		101	70-130				
p- & m- Xylenes	19.6		"	20.0		97.9	70-130				
p-Ethyltoluene	10.2		"	10.0		102	70-130				
Propylene	9.59		"	10.0		95.9	70-130				
Styrene	10.2		"	10.0		102	70-130				
Tetrachloroethylene	9.42		"	10.0		94.2	70-130				
Tetrahydrofuran	9.15		"	10.0		91.5	70-130				
Toluene	9.68		"	10.0		96.8	70-130				
trans-1,2-Dichloroethylene	9.53		"	10.0		95.3	70-130				
trans-1,3-Dichloropropylene	10.5		"	10.0		105	70-130				
Trichloroethylene	9.32		"	10.0		93.2	70-130				
Trichlorofluoromethane (Freon 11)	9.80		"	10.0		98.0	70-130				
Vinyl acetate	8.54		"	10.0		85.4	70-130				
Vinyl bromide	10.4		"	10.0		104	70-130				
Vinyl Chloride	8.56		"	10.0		85.6	70-130				

Sample and Data Qualifiers Relating to This Work Order

TO-VAC The final vacuum in the canister was less than -2 inches Hg vacuum. The time integrated sampling may be affected and not reflect proper sampling over the time period. The data user should take note.

TO-CCV The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).

Definitions and Other Explanations

* Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.

ND NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)

RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.

LOQ LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.

LOD LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.

MDL METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.

Reported to This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.

NR Not reported

RPD Relative Percent Difference

Wet The data has been reported on an as-received (wet weight) basis

Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

21D0416

Field Chain-of-Custody Record - AIR

York Analytical Laboratories, Inc.
120 Research Drive Stratford, CT 06615
132-02 89th Ave Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

YORK

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions

YORK Project No.:

Page 1 of 1

YOUR Information	Report To:	Invoice To:
Company: LiRo Engineers	Company: LiRo Engineers	Company: LiRo Engineers
Address: 690 Delaware AVE	Address: 690 Delaware AVE	Address: 690 Delaware AVE
Phone: 607-240-8479	Phone: 716-882-5476	Phone: 716-882-5476
Contact: Ben Wertman	Contact: Steve Frank	Contact: Steve Frank
E-mail: wertmanb@liro.com	E-mail: FrankS@liro.com	E-mail: FrankS@liro.com

YOUR Project Number: 16-344-1389

YOUR Project Name: Former Buffalo China site

YOUR PO#: LiRo attn annette Gorecki

Turn-Around Time: RUSH - Next Day; RUSH - Two Day; RUSH - Three Day; RUSH - Four Day; Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Benjamin Wertman

Samples Collected by: (print your name above and sign below)

Ben Wertman

Air Matrix Codes
AI - Indoor Ambient Air
AO - Outdoor Amb. Air
AE - Vapor Extraction Well/ Process Gas/Effluent
AS - Soil Vapor/Sub-Slab

Samples From: New York X; New Jersey; Connecticut; Pennsylvania; Other:

Report / EDD Type (circle selections)
Summary Report; QA Report; NY ASP A Package; NY ASP B Package; Other: Per Brucke 10/10
CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliv.; NJDKQP
Standard Excel EDD; EQuIS (Standard); NYSDEC EQUIS; NJDEP SRP HazSite

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Certified Canisters: Batch ___ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m³ X ppbv ___ ppmv ___

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
VMP-1	3/31/21 ~~8:40~~ 16:30	AS	34	~~8~~ 16	37794	5413	TO-15
IA-1	~~8:40~~ 13:45	AI	34	~~10~~ 3	37797	6861	↓
VMP-2	~~8:40~~ 16:26	AS	26	10	28302	5613	
IA-2	~~8:40~~ 16:05	AI	28	5	16976	7422	
OA-1	~~8:45~~ 16:23	AO	35	10	28303	516	

Comments:

Detection Limits Required
≤ 1 ug/m³ ___ NYSDEC V1 Limits X
Routine Survey ___ Other ___

Sampling Media
6 Liter Canister X
Tedlar Bag

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Ben Wertman LiRo	4/1/21 9.30am				
Samples Received by / Company	**Date/Time**	**Samples Relinquished by / Company**	**Date/Time**	**Samples Received by / Company**	**Date/Time**
Samples Relinquished by / Company	**Date/Time**	**Samples Received by / Company**	**Date/Time**	**Samples Received in LAB by**	**Date/Time**
				Alene A Schulz	4/6/21 9:00

Corrected @ liro.com

APPENDIX B
SVI Data Usability Reports

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Buffalo China #16-344-1389
York Analytical Laboratories, Inc. SDG#21D0416
May 11, 2021
Sampling date: 3/31/2021

Prepared by:
Jodi Zimmerman
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data packages for LiRo Engineers, project located at Buffalo China #16-344-1389, York Analytical Laboratories, Inc. SDG#21D0416, submitted to Vali-Data of WNY, LLC on May6, 2021. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) (SOP NO. HW-31, revision 6, June 2014) and NYSDEC Analytical Services Protocols. The laboratory performed the analysis using Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.

VOLATILE ORGANIC COMPOUND

The following items/criteria were reviewed for this report:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain-of-Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Blanks
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Tuning
- Canister Certification Blanks

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in the Continuing Calibration.

All samples were diluted.
Sample: IA-2 was diluted due to high target analyte concentration.

Detects were reported to the Method Reporting limits.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met except data was not reported to 3 significant figures. This does not affect the usability of the data.
Reissued 'Reporting forms' are attached due to the original limit being set at the Method Detection Limit.
Canister Certification data was not included in the original report. Those pages are attached.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All criteria were met.

INTERNAL STANDARD (IS)
All criteria were met.

BLANKS
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternative forms of regression were used on some of the target analytes with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Bromomethane, Chloroethane and Vinyl acetate was outside QC limits in Y1D1330-CCV1. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

GC/MS TUNING
All criteria were met.

CANISTER CERTIFICATION BLANKS
All criteria were met.

APPENDIX C
Historical Sampling Data

TABLE 6.7

METALS ANALYTICAL RESULTS SUMMARY - OVERBURDEN GROUNDWATER
BROWNFIELD CLEANUP PROGRAM REMEDIAL SITE INVESTIGATION
FORMER BUFFALO CHINA SITE (NO. C915209)
BUFFALO, NEW YORK

Location ID:				*MW-8*	*MW-9*	*MW-9*	*MW-10*	*MW-11*	*MW-12*	*MW-12*	*MW-12*
Sample Name:				*WG-37191-052808-005*	*WG-37191-082107-RN-007*	*WG-37191-052808-001*	*WG-37191-091908-002*	*WG-37191-091908-001*	*WG-37191-082107-RN-004*	*WG-37191-082107-RN-005*	*WG-37191-052808-006*
Sample Date:				*5/28/2008*	*8/21/2007*	*5/28/2008*	*9/19/2008*	*9/19/2008*	*8/21/2007*	*8/21/2007*	*5/28/2008*
										Duplicate	
	Units	*New York State Water Quality Standards*	*Guidance Values*								
Metals											
Aluminum	ug/L	NC	NC	--	8250 J	200 U	--	--	--	--	--
Antimony	ug/L	3	NC	--	**7.5 J**	10.0 U	--	--	--	--	--
Arsenic	ug/L	25	NC	--	9.4 J	10.0 U	--	--	--	--	--
Barium	ug/L	1000	NC	--	90.2 J	29.1 J	--	--	--	--	--
Beryllium	ug/L	NC	3	--	4.0 U	4.0 U	--	--	--	--	--
Cadmium	ug/L	5	NC	--	5.0 U	5.0 U	--	--	--	--	--
Calcium	ug/L	NC	NC	--	301000	217000	--	--	--	--	--
Chromium	ug/L	50	NC	--	14.5	5.0 U	--	--	--	--	--
Cobalt	ug/L	NC	NC	--	6.5 J	3.4 J	--	--	--	--	--
Copper	ug/L	200	NC	--	24.6 J	25.0 U	--	--	--	--	--
Iron	ug/L	300	NC	--	**14300**	**1620 J**	--	--	--	--	--
Lead	ug/L	25	NC	3.0 U	**28.7**	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Magnesium	ug/L	NC	35000	--	**58500**	**36400**	--	--	--	--	--
Manganese	ug/L	300	NC	--	**472**	**317**	--	--	--	--	--
Mercury	ug/L	0.7	NC	--	0.088 J	0.20 U	--	--	--	--	--
Nickel	ug/L	100	NC	--	18.5 J	5.4 J	--	--	--	--	--
Potassium	ug/L	NC	NC	--	10600	7090	--	--	--	--	--
Selenium	ug/L	10	NC	--	5.0 U	5.0 U	--	--	--	--	--
Silver	ug/L	50	NC	--	1.3 J	5.0 U	--	--	--	--	--
Sodium	ug/L	20000	NC	--	**44700**	**32700**	--	--	--	--	--
Thallium	ug/L	NC	0.5	--	10.0 U	**3.7 J**	--	--	--	--	--
Vanadium	ug/L	NC	NC	--	17.9 J	1.1 J	--	--	--	--	--
Zinc	ug/L	NC	2000	--	93.3	20.0 U	--	--	--	--	--
Metals (Dissolved)											
Aluminum (Dissolved)	ug/L	NC	NC	--	200 U	200 U	--	--	--	--	--
Antimony (Dissolved)	ug/L	3	NC	--	**3.3 J**	10.0 U	--	--	--	--	--
Arsenic (Dissolved)	ug/L	25	NC	--	10.0 U	10.0 U	--	--	--	--	--
Barium (Dissolved)	ug/L	1000	NC	--	35.8 J	28.3 J	--	--	--	--	--
Beryllium (Dissolved)	ug/L	NC	3	--	4.0 U	4.0 U	--	--	--	--	--
Cadmium (Dissolved)	ug/L	5	NC	--	5.0 U	5.0 U	--	--	--	--	--
Calcium (Dissolved)	ug/L	NC	NC	--	249000	224000	--	--	--	--	--
Chromium Total (Dissolved)	ug/L	50	NC	--	5.0 U	5.0 U	--	--	--	--	--
Cobalt (Dissolved)	ug/L	NC	NC	--	50.0 U	3.2 J	--	--	--	--	--
Copper (Dissolved)	ug/L	200	NC	--	25.0 U	25.0 U	--	--	--	--	--
Iron (Dissolved)	ug/L	300	NC	--	100 U	**620**	--	--	--	--	--
Lead (Dissolved)	ug/L	25	NC	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Magnesium (Dissolved)	ug/L	NC	35000	--	**44700**	**38000**	--	--	--	--	--
Manganese (Dissolved)	ug/L	300	NC	--	221	296	--	--	--	--	--
Mercury (Dissolved)	ug/L	0.7	NC	--	0.067 J	0.20 U	--	--	--	--	--
Nickel (Dissolved)	ug/L	100	NC	--	4.5 J	5.6 J	--	--	--	--	--
Potassium (Dissolved)	ug/L	NC	NC	--	7610	7150	--	--	--	--	--
Selenium (Dissolved)	ug/L	10	NC	--	5.0 U	5.0 U	--	--	--	--	--
Silver (Dissolved)	ug/L	50	NC	--	5.0 U	5.0 U	--	--	--	--	--
Sodium (Dissolved)	ug/L	20000	NC	--	**43200**	**34300**	--	--	--	--	--
Thallium (Dissolved)	ug/L	NC	0.5	--	10.0 U	10.0 U	--	--	--	--	--
Vanadium (Dissolved)	ug/L	NC	NC	--	1.3 J	2.6 J	--	--	--	--	--
Zinc (Dissolved)	ug/L	NC	2000	--	20.0 U	20.0 U	--	--	--	--	--
Wet Chemistry											
Cyanide (total)	ug/L	200	NC	--	2.4 J	2.6 J	--	--	--	--	--

Notes:
1.0 - Exceeds Criteria

U - Not present at the associated value.
J - Estimated concentration.
NC - No criteria.

TABLE 4.3

ANALYTICAL RESULTS SUMMARY
VOCs in PERIMETER WELLS - AUGUST 2020
FORMER BUFFALO CHINA SITE (No. C915209)

		New York State Water Quality															
				Perimeter	*Perimeter*	*Perimeter*	*Perimeter*	*Perimeter*	*Perimeter*	*Perimeter*	*Perimeter*	*Perimeter*	*Perimeter*	*Perimeter*	*Perimeter*	*Perimeter*	*Perimeter*
				Overburden Monitoring Well	*Bedrock Monitoring Well*	*Overburden Monitoring Well*	*Bedrock Monitoring Well*	*Overburden Monitoring Well*	*Bedrock Monitoring Well*	*Bedrock Monitoring Well*	*Overburden Monitoring Well*	*Bedrock Monitoring Well*	*Overburden Monitoring Well*	*Bedrock Monitoring Well*	*Bedrock Monitoring Well*	*Overburden Monitoring Well*	*Bedrock Monitoring Well*
				Location ID:	*MW-7A*	*MW-8*	*MW-8A*	*MW-9*	*MW-9A*	*MW-9A*	*MW-10*	*MW-15A*	*MW-22*	*MW-22A*	*MW-25A*	*MW-26*	*MW-26A*
				Sample ID:	*MW-7A*	*MW-8*	*MW-8A*	*MW-9*	*MW-9A*	*MW-9A DUP*	*MW-10*				*MW-25A*	*MW-26*	*MW-26A*
				Sample Date:	*8/4/2020*	*8/5/2020*	*8/5/2020*	*8/5/2020*	*8/5/2020*	*8/5/2020*	*8/6/2020*				*8/5/2020*	*8/4/2020*	*8/4/2020*
Parameters	***Units***	***Guidance Values***	***Standards***														
Volatile Organic Analytes																	
1,1,1-Trichloroethane (TCA)	ug/L	NC	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	NC	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
1,1,2-Trichloroethane	ug/L	NC	1	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ug/L	NC	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)	ug/L	NC	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
1,1-Dichloroethene (1,1-DCE)	ug/L	NC	5	ND	0.24 *J*	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
1,2,3-Trichlorobenzene	ug/L	NC	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
1,2,4-Trichlorobenzene	ug/L	NC	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	NC	0.04	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
1,2-Dibromoethane	ug/L	NC	0.0006	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
1,2-Dichlorobenzene	ug/L	NC	3	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
1,2-Dichloroethane	ug/L	NC	0.6	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
1,2-Dichloropropane	ug/L	NC	1	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
1,3-Dichlorobenzene	ug/L	NC	3	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
1,4-Dichlorobenzene	ug/L	NC	3	ND	ND	ND	ND	ND	ND	ND	3.0 *J*	NS	NS	NS	ND	ND	ND
1,4-Dioxane	ug/L	NC	NC	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
2-Butanone (MEK)	ug/L	50	NC	ND	ND	ND	ND	ND	ND	ND	1.9 *J*	NS	NS	NS	ND	ND	ND
2-Hexanone	ug/L	50	NC	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
4-Methyl-2-pentanone	ug/L	NC	NC	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Acetone	ug/L	50	NC	ND	ND	ND	ND	ND	ND	ND	8.9 *J*	NS	NS	NS	ND	ND	ND
Benzene	ug/L	50	1	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Bromochloromethane	ug/L	NC	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Bromodichloromethane	ug/L	50	NC	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Bromoform	ug/L	50	NC	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Bromomethane	ug/L	NC	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Carbon Disulfide	ug/L	60	60	ND	ND	ND	ND	ND	8.4 *J*	5.8 *J*	2.8 *J*	NS	NS	NS	ND	ND	ND
Carbon Tetrachloride	ug/L	NC	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Chlorobenzene	ug/L	NC	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Chloroethane	ug/L	NC	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Chloroform	ug/L	NC	7	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Chloromethane	ug/L	NC	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Cyclohexane	ug/L	NC	NC	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Dibromochloromethane	ug/L	NC	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Dichlorodifluoromethane (CFC 12)	ug/L	NC	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Methylene Chloride (Dichloromethane)	ug/L	NC	NC	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Ethylbenzene	ug/L	NC	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Isopropylbenzene (Cumene)	ug/L	NC	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Methyl Acetate	ug/L	NC	NC	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Methyl tert-Butyl Ether	ug/L	10	NC	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Methylcyclohexane	ug/L	NC	NC	ND	0.22 *J*	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Styrene	ug/L	NC	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Tetrachloroethene (PCE)	ug/L	NC	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Toluene	ug/L	NC	5	ND	ND	ND	ND	ND	ND	ND	**83 JH**	NS	NS	NS	ND	ND	ND
Trichloroethene (TCE)	ug/L	NC	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	0.29 *J*	ND	ND
Trichlorofluoromethane (CFC 11)	ug/L	NC	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Vinyl Chloride	ug/L	NC	2	ND	**24**	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	NC	5	ND	**160**	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	NC	NC	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
m,p-Xylenes	ug/L	NC	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
o-Xylene	ug/L	NC	5	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	NC	5	ND	0.78 *J*	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	NC	NC	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	ND
Field Parameters																	
Conductivity, field	mS/cm	NC	NC	0.593	1.64	0.699	0.556	1.54	1.48	1.48	1.74	NS	NS	NS	0.583	1	2.49
Dissolved oxygen (DO), field	ug/L	NC	NC	9.73	9.96	0	0	0	0	0	0	NS	NS	NS	0	0	6.26
Oxidation reduction potential (ORP), field	millivolts	NC	NC	-90	-65	-156	-156	123	-222	-222	-104	NS	NS	NS	-42	38	-41
pH, field	s.u.	NC	6.5-8.5	7.73	7.8	8.03	8.03	6.99	7.35	7.35	7.1	NS	NS	NS	6.92	8.16	7.93
Temperature, field	Deg. C	NC	NC	18.08	16.75	14.3	14.3	17.39	12.92	12.92	18.79	NS	NS	NS	18.22	19.5	18.35
Turbidity, field	NTU	NC	NC	222	117	109	109	27.5	111	111	482	NS	NS	NS	33.3	35.5	175

Notes:

1.0 - Exceeds criteria

ND - Not detected

J - Estimated concentration

H- High

B - Compound detected in associated blank sample

NC - No criteria

ug/L - Micrograms per liter

TABLE 6.2

HERBICIDE, PCB, AND PESTICIDE ANALYTICAL RESULTS SUMMARY- SUBSURFACE SOIL
BCP REMEDIAL SITE INVESTIGATION
FORMER BUFFALO CHINA SITE (NO. C915209)
BUFFALO, NEW YORK

Location ID:				*MW-14*	*MW-17*	*SB-1-07*	*SB-12-07*	*SB-18-07*	*SB-18-08*	*SB-3-07*	*SB-5-07*	*SB-8-07*
Sample Name:				*SB-37191-050808-JP-011*	*SB-37191-050908-JP-002*	*SO-37191-072507-RN-SB-1*	*SO-37191-072607-RN-SB-12*	*SO-37191-073007-CB-SB18*	*SB-37191-050908-JP-001*	*SO-37191-072707-RN-SB-3*	*SO-37191-072507-RN-SB-05*	*SO-37191-072507-RN-SB-8*
Sample Date:				*5/8/2008*	*5/9/2008*	*7/25/2007*	*7/26/2007*	*7/30/2007*	*5/9/2008*	*7/27/2007*	*7/25/2007*	*7/25/2007*
Depth:				*0-2 ft BGS*	*0-2 ft BGS*	*2-4 ft BGS*	*3.5-6 ft BGS*	*4-7.2 ft BGS*	*0-2 ft BGS*	*10-13 ft BGS*	*4-8 ft BGS*	*3.5-8 ft BGS*
On/Off - Site				*Off-Site*	*On-Site*	*On-Site*	*On-Site*	*On-Site*	*Off-Site*	*On-Site*	*On-Site*	*On-Site*
		6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives Protection of Public Health[2]										
Parameters	*Units*[1]	*Residential*	*Industrial*									
Herbicides												
2,4,5-T	mg/kg	NC	NC	0.024 U	0.023 U	0.028 U	0.025 U	0.021 U	0.024 U	0.024 U	0.024 U	0.025 U
2,4,5-TP (Silvex)	mg/kg	58	1000	0.024 U	0.023 U	0.028 U	0.025 U	0.021 U	0.024 U	0.024 U	0.024 U	0.025 U
2,4-DB	mg/kg	NC	NC	0.098 U	0.092 U	0.11 U	0.099 U	0.083 U	0.097 U	0.095 U	0.097 U	0.098 U
2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/kg	NC	NC	0.098 U	0.092 U	0.11 U	0.099 U	0.083 U	0.097 U	0.095 U	0.097 U	0.098 U
2-Methyl-4-chlorophenoxyacetic acid (MCPA)	mg/kg	NC	NC	9.8 U	9.2 U	11 U	9.9 U	8.3 U	9.7 U	9.5 U	9.7 U	9.8 U
Dalapon	mg/kg	NC	NC	0.11 U	0.1 U	0.12 U	0.11 U	0.093 U	0.11 U	0.11 U	0.11 U	0.11 U
Dicamba	mg/kg	NC	NC	0.049 U	0.046 U	0.055 U	0.05 U	0.042 U	0.049 U	0.048 U	0.048 U	0.049 U
Dichlorprop	mg/kg	NC	NC	0.098 U	0.092 U	0.11 U	0.099 U	0.083 U	0.097 U	0.095 U	0.097 U	0.098 U
Dinoseb	mg/kg	NC	NC	0.015 U	0.014 U	0.017 U	0.015 U	0.012 U	0.015 U	0.014 U	0.015 U	0.015 U
Mecoprop (MCPP)	mg/kg	NC	NC	9.8 U	9.2 U	11 U	9.9 U	8.3 U	9.7 U	9.5 U	9.7 U	9.8 U
PCBs												
Aroclor-1016 (PCB-1016)	mg/kg	1[3]	25[3]	0.02 U	0.019 U	0.023 U	0.021 U	0.017 U	0.02 U	0.02 U	0.02 U	0.02 U
Aroclor-1221 (PCB-1221)	mg/kg	1[3]	25[3]	0.02 U	0.019 U	0.023 U	0.021 U	0.017 U	0.02 U	0.02 U	0.02 U	0.02 U
Aroclor-1232 (PCB-1232)	mg/kg	1[3]	25[3]	0.02 U	0.019 U	0.023 U	0.021 U	0.017 U	0.02 U	0.02 U	0.02 U	0.02 U
Aroclor-1242 (PCB-1242)	mg/kg	1[3]	25[3]	0.02 U	0.019 U	0.023 U	0.021 U	0.017 U	0.02 U	0.02 U	0.02 U	0.02 U
Aroclor-1248 (PCB-1248)	mg/kg	1[3]	25[3]	0.02 U	0.019 U	0.023 U	0.021 U	0.017 U	0.02 U	0.02 U	0.02 U	0.02 U
Aroclor-1254 (PCB-1254)	mg/kg	1[3]	25[3]	0.02 U	0.019 U	0.03	0.021 U	0.017 U	0.02 U	0.02 U	0.02 U	0.02 U
Aroclor-1260 (PCB-1260)	mg/kg	1[3]	25[3]	0.011 J	0.014 J	0.018 J	0.021 U	0.017 U	0.02 U	0.02 U	0.02 U	0.02 U
Pesticides												
4,4'-DDD	mg/kg	2.6	180	0.0021 U	0.0015 J	0.00085 J	0.0021 U	0.0018 U	0.0021 U	0.00055 J	0.0021 U	0.0021 U
4,4'-DDE	mg/kg	1.8	120	0.0046	0.002 U	0.002 J	0.0021 U	0.0018 U	0.0039	0.00052 J	0.0021 U	0.0021 U
4,4'-DDT	mg/kg	1.7	94	0.0035	0.002 U	0.0017 J	0.0021 U	0.0018 U	0.0068	0.002 U	0.0021 U	0.0021 U
Aldrin	mg/kg	0.019	1.4	0.0021 U	0.002 U	0.0021 J	0.0021 U	0.0018 U	0.0021 U	0.002 U	0.00028 J	0.0021 U
alpha-BHC	mg/kg	0.097	6.8	0.0021 U	0.002 U	0.0023 U	0.0021 U	0.0018 U	0.0021 U	0.002 U	0.0021 U	0.0021 U
alpha-Chlordane	mg/kg	0.91	47	0.0021 U	0.002 U	0.0023 U	0.0021 U	0.0018 U	0.0021 U	0.002 U	0.0021 U	0.0021 U
beta-BHC	mg/kg	0.072	14	0.0021 U	0.002 U	0.0023 U	0.0021 U	0.0018 U	0.0021 U	0.002 U	0.0021 U	0.0021 U
delta-BHC	mg/kg	100	1000	0.0021 U	0.002 U	0.00054 J	0.0021 U	0.0018 U	0.0021 U	0.00033 J	0.0021 U	0.0021 U
Dieldrin	mg/kg	0.039	2.8	0.0021 U	0.002 U	0.0023 U	0.0021 U	0.0018 U	0.0021 U	0.002 U	0.0021 U	0.0021 U
Endosulfan I	mg/kg	4.8	920	0.0021 U	0.002 U	0.0023 U	0.0021 U	0.0018 U	0.0021 U	0.002 U	0.0021 U	0.0021 U
Endosulfan II	mg/kg	4.8	920	0.0021 U	0.002 U	0.0023 U	0.0021 U	0.0018 U	0.0021 U	0.002 U	0.0021 U	0.0021 U
Endosulfan sulfate	mg/kg	4.8	920	0.0021 U	0.002 U	0.00077 J	0.0021 U	0.0018 U	0.0021 U	0.002 U	0.0021 U	0.0021 U
Endrin	mg/kg	2.2	410	0.0021 U	0.002 U	0.0023 U	0.0021 U	0.0018 U	0.0021 U	0.002 U	0.0021 U	0.0021 U
Endrin aldehyde	mg/kg	NC	NC	0.0021 U	0.002 U	0.0023 U	0.0021 U	0.0018 U	0.0021 U	0.002 U	0.0021 U	0.0021 U
Endrin ketone	mg/kg	NC	NC	0.00091 J	0.002 U	0.0023 U	0.0021 U	0.0018 U	0.0021 U	0.002 U	0.0021 U	0.0021 U
gamma-BHC (Lindane)	mg/kg	0.28	23	0.0021 U	0.017 J	0.0075	0.0021 U	0.0018 U	0.0021 U	0.00098 J	0.0021 U	0.0021 U
gamma-Chlordane	mg/kg	NC	NC	0.0021 U	0.002 U	0.0023 U	0.0021 U	0.0018 U	0.0021 U	0.002 U	0.0021 U	0.0021 U
Heptachlor	mg/kg	0.42	29	0.0021 U	0.0016 J	0.0023 U	0.0021 U	0.0018 U	0.0021 U	0.002 U	0.0021 U	0.0021 U
Heptachlor epoxide	mg/kg	NC	NC	0.0021 U	0.002 U	0.0023 U	0.0021 U	0.0018 U	0.0021 U	0.002 U	0.0021 U	0.0021 U
Methoxychlor	mg/kg	NC	NC	0.004 U	0.0038 U	0.0035 J	0.0041 U	0.0034 U	0.004 U	0.0039 U	0.004 U	0.0041 U
Toxaphene	mg/kg	NC	NC	0.081 U	0.077 U	0.093 U	0.083 U	0.07 U	0.082 U	0.079 U	0.081 U	0.082 U

Notes:

[1] - Reported results were converted from ug/kg (ppb) to mg/kg (ppm) for ease of comparison to criteria.

[2] - Sample results from locations identified as on-Site are compared to the Restricted Use - Industrial SCO.
Sample results identified as off-Site are compared to the Restricted Use - Residential SCO.

[3] - The soil cleanup objective for total PCBs

1.0 - Exceeds Criteria

U - Not present at the associated value.

J - Estimated concentration.

NC - No criteria.

TABLE 6.3

METALS ANALYTICAL RESULTS SUMMARY- SUBSURFACE SOIL
BROWNFIELD CLEANUP PROGRAM REMEDIAL SITE INVESTIGATION
FORMER BUFFALO CHINA SITE (NO. C915209)
BUFFALO, NEW YORK

Location ID:				*MW-14*	*MW-17*	*SB-10-07*	*SB-1-07*	*SB-11-07*	*SB-12-07*	*SB-13-07*	*SB-14-07*
Sample Name:				*SB-37191-050808-JP-011*	*SB-37191-050908-JP-002*	*SO-37191-072507-RN-SB-10*	*SO-37191-072507-RN-SB-1*	*SO-37191-072607-RN-SB-11*	*SO-37191-072607-RN-SB-12*	*SO-37191-072607-RN-SB-13*	*SO-37191-072607-RN-SB-14*
Sample Date:				*5/8/2008*	*5/9/2008*	*7/25/2007*	*7/25/2007*	*7/26/2007*	*7/26/2007*	*7/26/2007*	*7/26/2007*
Depth:				*0-2 ft BGS*	*0-2 ft BGS*	*3-8 ft BGS*	*2-4 ft BGS*	*2-6 ft BGS*	*3.5-6 ft BGS*	*6-8 ft BGS*	*4-8 ft BGS*
On/Off - Site				*Off-Site*	*On-Site*	*On-Site*	*On-Site*	*On-Site*	*On-Site*	*On-Site*	*On-Site*
Parameters	*Units*[1]	*6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives Protection of Public Health*[2] *Residential*	*Industrial*								
Metals											
Aluminum	mg/kg	NC	NC	8680	18700	--	9270	--	11300	--	--
Antimony	mg/kg	NC	NC	1.2 U	1.2 U	--	1.4 U	--	1.2 U	--	--
Arsenic	mg/kg	16	16	5.1	5.2	--	11.4	--	4.2	--	--
Barium	mg/kg	350	10000	47.0	200	--	103	--	107	--	--
Beryllium	mg/kg	14	2700	0.49 U	2.9	--	2.0	--	0.79	--	--
Cadmium	mg/kg	2.5	60	0.54 J	1.4 J	--	0.66 J	--	0.36 J	--	--
Calcium	mg/kg	NC	NC	2200	110000	--	103000	--	89800	--	--
Chromium, Total[3]	mg/kg	22	800	11.9	63.9	--	13.0	--	16.5	--	--
Cobalt	mg/kg	NC	NC	3.8 J	2.6 J	--	6.1 J	--	7.8	--	--
Copper	mg/kg	270	10000	11.9	35.3	--	60.8	--	18.5	--	--
Iron	mg/kg	NC	NC	15300	27300	--	32300	--	17500	--	--
Lead	mg/kg	400	3900	48.4 J	87.3 J	196	78.3	2160	8.2	7.3	4.4
Magnesium	mg/kg	NC	NC	1950	15300	--	13700	--	15500	--	--
Manganese	mg/kg	2000	10000	135 J	3240 J	--	712	--	343	--	--
Mercury	mg/kg	0.81	5.7	0.16	0.035 J	--	0.45	--	0.041 U	--	--
Nickel	mg/kg	140	10000	11.4	12.8	--	16.0	--	19.8	--	--
Potassium	mg/kg	NC	NC	892	1350	--	1170	--	2320	--	--
Selenium	mg/kg	36	6800	0.49 J	1.2	--	0.69 U	--	0.62 U	--	--
Silver	mg/kg	36	6800	0.61 U	0.88	--	0.69 U	--	0.62 U	--	--
Sodium	mg/kg	NC	NC	41.7 J	527 J	--	572 J	--	239 J	--	--
Thallium	mg/kg	NC	NC	1.2 U	2.3 U	--	1.4 U	--	1.2 U	--	--
Vanadium	mg/kg	NC	NC	19.3	24.3	--	11.6	--	22.1	--	--
Zinc	mg/kg	2200	10000	71.7	169	--	107	--	46.2	--	--
Wet Chemistry											
Cyanide (total)	mg/kg	27	10000	0.61 U	3.3	--	0.29 J	--	0.62 U	--	--
Total Solids	%	NC	NC	81.8	86.9	85.1	72.4	75.1	80.5	81.6	87.3

Notes:

[1] - Reported results were converted from ug/kg (ppb) to mg/kg (ppm) for ease of comparison to criteria.

[2] - Sample results from locations identified as on-Site are compared to the Restricted Use - Industrial SCO. Sample results identified as off-Site are compared to the Restricted Use - Residential SCO.

[3] - The Restricted Use Soil Cleanup Objective (RUSCO) for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO. The most restrictive SCO for hexavalent Chromium was used for comparison to the total chromium results.

1.0 - Exceeds Criteria

U - Not present at the associated value.

J - Estimated concentration.

NC - No criteria.

TABLE 6.4

VOC ANALYTICAL RESULTS SUMMARY- SUBSURFACE SOIL
BROWNFIELD CLEANUP PROGRAM REMEDIAL SITE INVESTIGATION
FORMER BUFFALO CHINA SITE (NO. C915209)
BUFFALO, NEW YORK

Location ID:				*MW-22A*	*MW-23A*	*MW-24A*	*MW-25*	*MW-25A*	*SB-10-07*	*SB-1-07*	*SB-11-07*	*SB-12-07*
Sample Name:				*SO-37191-060109-JJW-005*	*SO-37191-060209-JJW-006*	*SO-37191-062209-JJW-011*	*SO-37191-062209-JJW-013*	*SO-37191-062209-JJW-012*	*SO-37191-072507-RN-SB-10*	*SO-37191-072507-RN-SB-1*	*SO-37191-072607-RN-SB-11*	*SO-37191-072607-RN-SB-12*
Sample Date:				*6/1/2009*	*6/2/2009*	*6/22/2009*	*6/22/2009*	*6/22/2009*	*7/25/2007*	*7/25/2007*	*7/26/2007*	*7/26/2007*
Depth:				*10-12 ft BGS*	*12-14 ft BGS*	*0-2 ft BGS*	*6-8 ft BGS*	*4-6 ft BGS*	*3-8 ft BGS*	*2-4 ft BGS*	*2-6 ft BGS*	*3.5-6 ft BGS*
On/Off - Site				*Off-Site*	*Off-Site*	*Off-Site*	*Off-Site*	*Off-Site*	*On-Site*	*On-Site*	*On-Site*	*On-Site*
Parameters	*Units*[1]	*6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives Protection of Public Health*[2] *Residential*	*Industrial*									
Volatile Organic Compounds												
1,1,1-Trichloroethane	mg/kg	100	1000	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
1,1,2,2-Tetrachloroethane	mg/kg	NC	NC	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
1,1,2-Trichloroethane	mg/kg	NC	NC	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
1,1-Dichloroethane	mg/kg	19	480	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
1,1-Dichloroethene	mg/kg	100	1000	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
1,2,4-Trichlorobenzene	mg/kg	NC	NC	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	NC	NC	0.0061 UJ	0.0059 UJ	0.0065 UJ	0.0055 UJ	0.006 UJ	0.0059 U	0.0069 U	0.0067 U	0.0062 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	NC	NC	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
1,2-Dichlorobenzene	mg/kg	100	1000	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
1,2-Dichloroethane	mg/kg	2.3	60	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
1,2-Dichloropropane	mg/kg	NC	NC	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
1,3-Dichlorobenzene	mg/kg	17	560	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
1,4-Dichlorobenzene	mg/kg	9.8	250	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
2-Butanone (Methyl Ethyl Ketone)	mg/kg	100	1000	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
2-Hexanone	mg/kg	NC	NC	0.0061 UJ	0.0059 UJ	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	NC	NC	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
Acetone	mg/kg	100	1000	0.024 UJ	0.024 UJ	0.026 U	0.022 U	0.024 U	0.012 J	0.028 U	0.027 U	0.0085 J
Benzene	mg/kg	2.9	89	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
Bromodichloromethane	mg/kg	NC	NC	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
Bromoform	mg/kg	NC	NC	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 UJ	0.0069 UJ	0.0067 UJ	0.0062 UJ
Bromomethane (Methyl Bromide)	mg/kg	NC	NC	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 UJ	0.0069 UJ	0.0067 UJ	0.0062 UJ
Carbon disulfide	mg/kg	NC	NC	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
Carbon tetrachloride	mg/kg	1.4	44	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
Chlorobenzene	mg/kg	100	1000	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
Chloroethane	mg/kg	NC	NC	0.0061 UJ	0.0059 UJ	0.0065 U	0.0055 U	0.006 U	0.0059 UJ	0.0069 UJ	0.0067 UJ	0.0062 UJ
Chloroform (Trichloromethane)	mg/kg	10	700	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
Chloromethane (Methyl Chloride)	mg/kg	NC	NC	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
cis-1,2-Dichloroethene	mg/kg	59	1000	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.035	0.031
cis-1,3-Dichloropropene	mg/kg	NC	NC	0.0061 UJ	0.0059 UJ	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
Cyclohexane	mg/kg	NC	NC	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
Dibromochloromethane	mg/kg	NC	NC	0.0061 UJ	0.0059 UJ	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
Dichlorodifluoromethane (CFC-12)	mg/kg	NC	NC	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
Ethylbenzene	mg/kg	30	780	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
Isopropylbenzene	mg/kg	NC	NC	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
Methyl acetate	mg/kg	NC	NC	0.0061 UJ	0.0059 UJ	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
Methyl cyclohexane	mg/kg	NC	NC	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
Methyl Tert Butyl Ether	mg/kg	62	1000	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
Methylene chloride	mg/kg	51	1000	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
Styrene	mg/kg	NC	NC	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
Tetrachloroethene	mg/kg	5.5	300	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.037	0.0062 U
Toluene	mg/kg	100	1000	0.0061 U	0.0059 U	0.0011 J	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
trans-1,2-Dichloroethene	mg/kg	100	1000	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
trans-1,3-Dichloropropene	mg/kg	NC	NC	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
Trichloroethene	mg/kg	10	400	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0017 J	0.0069 U	0.21	0.035
Trichlorofluoromethane (CFC-11)	mg/kg	NC	NC	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 UJ	0.0069 UJ	0.0067 UJ	0.0062 UJ
Trifluorotrichloroethane (Freon 113)	mg/kg	NC	NC	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
Vinyl chloride	mg/kg	0.21	27	0.0061 U	0.0059 U	0.0065 U	0.0055 U	0.006 U	0.0059 U	0.0069 U	0.0067 U	0.0062 U
Xylene (total)	mg/kg	100	1000	0.018 U	0.018 U	0.02 U	0.017 U	0.018 U	0.018 U	0.021 U	0.02 U	0.019 U

Notes:

[1] - Reported results were converted from ug/kg (ppb) to mg/kg (ppm) for ease of comparison to criteria.

[2] - Sample results from locations identified as on-Site are compared to the Restricted Use - Industrial SCO.
Sample results identified as off-Site are compared to the Restricted Use - Residential SCO.
1.0 - Exceeds Criteria

U - Not present at the associated value.
J - Estimated concentration.
NC - No criteria.

TABLE 6.5

SVOC ANALYTICAL RESULTS SUMMARY- SUBSURFACE
SOIL
BROWNFIELD CLEANUP PROGRAM REMEDIAL SITE INVESTIGATION
FORMER BUFFALO CHINA SITE (NO. C915209)
BUFFALO, NEW YORK

Location ID:				*MW-14*	*MW-17*	*SB-10-07*	*SB-1-07*	*SB-11-07*	*SB-12-07*	*SB-13-07*
Sample Name:				*SB-37191-050808-JP-011*	*SB-37191-050908-JP-002*	*SO-37191-072507-RN-SB-10*	*SO-37191-072507-RN-SB-1*	*SO-37191-072607-RN-SB-11*	*SO-37191-072607-RN-SB-12*	*SO-37191-072607-RN-SB-13*
Sample Date:				*5/8/2008*	*5/9/2008*	*7/25/2007*	*7/25/2007*	*7/26/2007*	*7/26/2007*	*7/26/2007*
Depth:				*0-2 ft BGS*	*0-2 ft BGS*	*3-8 ft BGS*	*2-4 ft BGS*	*2-6 ft BGS*	*3.5-6 ft BGS*	*6-8 ft BGS*
On/Off - Site				*Off-Site*	*On-Site*	*On-Site*	*On-Site*	*On-Site*	*On-Site*	*On-Site*
Parameters	*Units* [1]	*6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives Protection of Public Health* [2] *Residential*	*Industrial*							
Semivolatile Organic Compounds										
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/kg	NC	NC	0.082 U	0.077 U	0.079 U	0.093 U	0.089 U	0.083 U	0.082 U
2,4,5-Trichlorophenol	mg/kg	NC	NC	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
2,4,6-Trichlorophenol	mg/kg	NC	NC	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
2,4-Dichlorophenol	mg/kg	NC	NC	0.082 U	0.077 U	0.079 U	0.093 U	0.089 U	0.083 U	0.082 U
2,4-Dimethylphenol	mg/kg	NC	NC	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
2,4-Dinitrophenol	mg/kg	NC	NC	2 U	1.9 U	2 UJ	2.3 UJ	2.2 UJ	2.1 UJ	2 UJ
2,4-Dinitrotoluene	mg/kg	NC	NC	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
2,6-Dinitrotoluene	mg/kg	NC	NC	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
2-Chloronaphthalene	mg/kg	NC	NC	0.082 U	0.077 U	0.079 U	0.093 U	0.089 U	0.083 U	0.082 U
2-Chlorophenol	mg/kg	NC	NC	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
2-Methylnaphthalene	mg/kg	NC	NC	0.022 J	0.17	0.079 U	0.076 J	0.089 U	0.083 U	0.082 U
2-Methylphenol	mg/kg	100	1000	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
2-Nitroaniline	mg/kg	NC	NC	2 U	1.9 U	2 U	2.3 U	2.2 U	2.1 U	2 U
2-Nitrophenol	mg/kg	NC	NC	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
3,3'-Dichlorobenzidine	mg/kg	NC	NC	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
3-Nitroaniline	mg/kg	NC	NC	2 U	1.9 U	2 U	2.3 U	2.2 U	2.1 U	2 U
4,6-Dinitro-2-methylphenol	mg/kg	NC	NC	1.9 U	1.8 U	1.8 U	2.2 U	2.1 U	2 U	1.9 U
4-Bromophenyl phenyl ether	mg/kg	NC	NC	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
4-Chloro-3-methylphenol	mg/kg	NC	NC	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
4-Chloroaniline	mg/kg	NC	NC	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
4-Chlorophenyl phenyl ether	mg/kg	NC	NC	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
4-Methylphenol	mg/kg	34	1000	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
4-Nitroaniline	mg/kg	NC	NC	2 U	1.9 U	2 U	2.3 U	2.2 U	2.1 U	2 U
4-Nitrophenol	mg/kg	NC	NC	2 U	1.9 U	2 U	2.3 U	2.2 U	2.1 U	2 U
Acenaphthene	mg/kg	100	1000	0.082 U	0.11	0.079 U	0.093 U	0.027 J	0.083 U	0.082 U
Acenaphthylene	mg/kg	100	1000	0.047 J	0.96	0.079 U	0.093 U	0.089 U	0.083 U	0.082 U
Acetophenone	mg/kg	NC	NC	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
Anthracene	mg/kg	100	1000	0.062 J	1.4	0.028 J	0.093 U	0.2	0.083 U	0.082 U
Atrazine	mg/kg	NC	NC	0.4 U	0.38 U	0.39 UJ	0.46 UJ	0.44 UJ	0.41 UJ	0.4 U
Benzaldehyde	mg/kg	NC	NC	0.4 U	0.38 U	0.39 UJ	0.46 UJ	0.44 UJ	0.41 UJ	0.4 UJ
Benzo(a)anthracene	mg/kg	1	11	0.26	3.7	0.09	0.061 J	0.78	0.083 U	0.082 U
Benzo(a)pyrene	mg/kg	1	1.1	0.26	**2.8**	0.085	0.047 J	0.78	0.083 U	0.082 U
Benzo(b)fluoranthene	mg/kg	1	11	0.51	5	0.11	0.044 J	0.93	0.083 U	0.082 U
Benzo(g,h,i)perylene	mg/kg	100	1000	0.15	2.1	0.085	0.081 J	0.68	0.083 U	0.082 U
Benzo(k)fluoranthene	mg/kg	1	110	0.082 U	0.077 U	0.045 J	0.022 J	0.3	0.083 U	0.082 U
Biphenyl (1,1-Biphenyl)	mg/kg	NC	NC	0.4 U	0.057 J	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
bis(2-Chloroethoxy)methane	mg/kg	NC	NC	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
bis(2-Chloroethyl)ether	mg/kg	NC	NC	0.082 U	0.077 U	0.079 U	0.093 U	0.089 U	0.083 U	0.082 U
bis(2-Ethylhexyl)phthalate	mg/kg	NC	NC	0.4 U	0.72	0.087 J	0.46 U	0.44 U	0.11 J	0.051 J
Butyl benzylphthalate	mg/kg	NC	NC	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
Caprolactam	mg/kg	NC	NC	0.085 J	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
Carbazole	mg/kg	NC	NC	0.031 J	0.4	0.079 U	0.093 U	0.042 J	0.083 U	0.082 U
Chrysene	mg/kg	1	110	0.31	2.9	0.087	0.1	0.7	0.083 U	0.082 U
Dibenz(a,h)anthracene	mg/kg	0.33	1.1	0.04 J	0.66	0.079 U	0.093 U	0.09	0.083 U	0.082 U
Dibenzofuran	mg/kg	14	1000	0.4 U	0.37 J	0.39 U	0.036 J	0.03 J	0.41 U	0.4 U
Diethyl phthalate	mg/kg	NC	NC	0.4 U	0.38 U	0.39 U	0.54	0.26 J	0.41 U	0.039 J
Dimethyl phthalate	mg/kg	NC	NC	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
Di-n-butylphthalate	mg/kg	NC	NC	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
Di-n-octyl phthalate	mg/kg	NC	NC	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
Fluoranthene	mg/kg	100	1000	0.52	7.1	0.15	0.11	1.3	0.083 U	0.082 U

TABLE 6.5

SVOC ANALYTICAL RESULTS SUMMARY- SUBSURFACE
SOIL
BROWNFIELD CLEANUP PROGRAM REMEDIAL SITE INVESTIGATION
FORMER BUFFALO CHINA SITE (NO. C915209)
BUFFALO, NEW YORK

Location ID:				*MW-14*	*MW-17*	*SB-10-07*	*SB-1-07*	*SB-11-07*	*SB-12-07*	*SB-13-07*
Sample Name:				*SB-37191-050808-JP-011*	*SB-37191-050908-JP-002*	*SO-37191-072507-RN-SB-10*	*SO-37191-072507-RN-SB-1*	*SO-37191-072607-RN-SB-11*	*SO-37191-072607-RN-SB-12*	*SO-37191-072607-RN-SB-13*
Sample Date:				*5/8/2008*	*5/9/2008*	*7/25/2007*	*7/25/2007*	*7/26/2007*	*7/26/2007*	*7/26/2007*
Depth:				*0-2 ft BGS*	*0-2 ft BGS*	*3-8 ft BGS*	*2-4 ft BGS*	*2-6 ft BGS*	*3.5-6 ft BGS*	*6-8 ft BGS*
On/Off - Site				*Off-Site*	*On-Site*	*On-Site*	*On-Site*	*On-Site*	*On-Site*	*On-Site*
		6 NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives Protection of Public Health[2]								
Parameters	*Units*[1]	*Residential*	*Industrial*							
Fluorene	mg/kg	100	1000	0.082 U	0.36	0.079 U	0.093 U	0.034 J	0.083 U	0.082 U
Hexachlorobenzene	mg/kg	0.33	12	0.082 U	0.077 U	0.079 U	0.093 U	0.089 U	0.083 U	0.082 U
Hexachlorobutadiene	mg/kg	NC	NC	0.082 U	0.077 U	0.079 U	0.093 U	0.089 U	0.083 U	0.082 U
Hexachlorocyclopentadiene	mg/kg	NC	NC	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
Hexachloroethane	mg/kg	NC	NC	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	11	0.14	2.1	0.076 J	0.055 J	0.55	0.083 U	0.082 U
Isophorone	mg/kg	NC	NC	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
Naphthalene	mg/kg	100	1000	0.023 J	0.15	0.079 U	0.041 J	0.024 J	0.083 U	0.082 U
Nitrobenzene	mg/kg	NC	NC	0.082 U	0.077 U	0.079 U	0.093 U	0.089 U	0.083 U	0.082 U
N-Nitrosodi-n-propylamine	mg/kg	NC	NC	0.082 U	0.077 U	0.079 U	0.093 U	0.089 U	0.083 U	0.082 U
N-Nitrosodiphenylamine	mg/kg	NC	NC	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
Pentachlorophenol	mg/kg	2.4	55	0.4 U	0.38 U	0.39 U	0.46 U	0.44 U	0.41 U	0.4 U
Phenanthrene	mg/kg	100	1000	0.22	4.4	0.1	0.15	0.6	0.083 U	0.082 U
Phenol	mg/kg	100	1000	0.082 U	0.077 U	0.079 U	0.093 U	0.089 U	0.083 U	0.082 U
Pyrene	mg/kg	100	1000	0.37	5.1	0.13	0.12	1.3	0.083 U	0.082 U

Notes:

[1] - Reported results were converted from ug/kg (ppb) to mg/kg (ppm) for ease of comparison to criteria.

[2] - Sample results from locations identified as on-Site are compared to the Restricted Use - Industrial SCO. Sample results identified as off-Site are compared to the Restricted Use - Residential SCO.

1.0 - Exceeds Criteria

U - Not present at the associated value.

J - Estimated concentration.

NC - No criteria.

TABLE 3.1

SUMMARY OF DETECTED CONCENTRATIONS OF LEAD IN SOIL
SUPPLEMENTAL SITE INVESTIGATION
NIAGARA CERAMICS
BUFFALO, NEW YORK

			Sample Location:	*BH-14*	*BH-14*	*BH-15*	*BH-15*	*BH-16*	*BH-16*	*BH-17*	*BH-17*
			Sample Date:	*5/2/2006*	*5/2/2006*	*5/2/2006*	*5/2/2006*	*5/2/2006*	*5/2/2006*	*5/2/2006*	*5/2/2006*
			Sample Depth (ft. bgs):	*0.5 - 1.5*	*2.5 - 3*	*1.5 - 2*	*3 - 3.5*	*0.75 - 1.2*	*2.5 - 3.2*	*0 - 0.5*	*1 - 1.5*
	Regulatory Criteria										
Parameters	*Unrestricted* [1] *a*	*Units*									
Lead	400	mg/kg		86.5 J	45.9 J	804	9.8	422	19.4	282	270

Notes:

(1) Draft 6 NYCRR Part 375, November 2005.
Concentration exceeds criterion.
ft bgs Feet Below Ground Surface.
J Estimated.

TABLE A-1

Sample Location:		SB-24,25	SB-27,28	SB-26,29	SB-30,31,32	SB-33	SB-35	SB-36	SB-37	SB-39	SB-40	SB-41	SB-42	ISB-2	ISB-3	ISB-4	ISB-5	ISB-6	ISB-7,8	ISB-9
Sample ID:																				
Sample Date:		27-Feb-04	27-Feb-04	27-Feb-04	01-Mar-04	01-Mar-04	01-Mar-04	01-Mar-04	01-Mar-04	01-Mar-04	01-Mar-04	01-Mar-04	01-Mar-04	03-Mar-04	03-Mar-04	03-Mar-04	03-Mar-04	03-Mar-04	03-Mar-04	03-Mar-04
Sample Depth:		0-4	0-4	0-4	4-10	0-4	4-10	8-9	4-5.5	8-8.5	0-4	0-6	0-8	4-8	0-8	0-4	0-8	0-8	4-8,7-10	0-7
Code																				
	Units																			
Percent Solids	%	90	82	82	88	73	83	82	87	85	84	89	79	85	82	90	89	86	88	83
Metals																				
Arsenic	mg/kg	9.3	2.9	6.0	<1.2	24	2.5	na	<1.2	<1.2	na	na	na	12	na	na	na	8.2	<1.2	6.3
Barium	mg/kg	39	40	84	38	290	66	na	59	37	na	na	na	82	na	na	na	83	68	130
Cadmium	mg/kg	4.6	1.5	1.0	1.3	5.6	2.2	na	2.1	1.5	3.3	1.6	2.5	1.7	4.5	3.0	1.6	2.8	1.8	3.1
Chromium	mg/kg	23	10.0	<6.1	8.9	25	16	na	14	10.0	na	na	na	11	na	na	na	25	16	23
Lead	mg/kg	51	23	180	14	210	<12	na	<11.0	29	110	<12	200	92	10000	46	<11	15	<11	36
Mercury	mg/kg	<0.26	<0.25	<0.25	<0.23	0.37	<0.25	na	<0.23	<0.25	na	na	na	0.48	na	na	na	<0.24	<0.23	0.80
Selenium	mg/kg	<0.63	0.95	<0.61	<0.57	7.5	<0.61	na	<0.58	<0.59	na	na	na	<0.59	na	na	na	<0.59	<0.6	<0.7
Silver	mg/kg	<6.3	<6.2	<6.2	<5.7	<6.8	<6	na	<5.7	<5.9	na	na	na	<5.9	na	na	na	<5.8	5.7	<6
VOCs																				
Chloromethane	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<600
Bromomethane	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<600
Vinyl Chloride	µg/kg	na	na	na	<33.0	<440	<30,000	na	<290	na	na	na	na	<2	na	na	na	<2	<2	<400
Chloroethane	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<400
Methylene Chloride	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	9	na	na	na	8	7	<600
Acetone	µg/kg	na	na	na	<57.0	<2,200	<100,000	na	<960	na	na	na	na	<12	na	na	na	<28	<11	<2,000
Carbon Disulfide	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<600
1,1-Dichloroethene	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<600
1,1-Dichloroethane	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<600
trans-1,2-Dichloroethene	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<600
cis-1,2-Dicholoroethene	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	14	<600
Chloroform	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<600
1,2-Dichloroethane	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<600
2-Butanone	µg/kg	na	na	na	<57.0	<2,200	<100,000	na	<960	na	na	na	na	<12	na	na	na	<12	<11	<2,000
1,1,1-Trichloroethane	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<600
Carbon Tetrachloride	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<600
Bromodichloromethane	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<600
1,2-Dichloropropane	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<600
cis-1,3-Dichloropropene	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<600
Trichloroethene	µg/kg	na	na	na	100	<660	250000	na	620	na	na	na	na	<4	na	na	na	<3	130	<600
Dibromochloromethane	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<600
1,1,2-Trichloroethane	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<600
Benzene	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<600
Trans-1,3-Dichloropropene	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<600
Bromoform	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<600
4-Methy-2-pentanone	µg/kg	na	na	na	<57.0	<2,200	<100,000	na	<960	na	na	na	na	<12	na	na	na	<12	<11	<2,000
2-Hexanone	µg/kg	na	na	na	<17.0	<2,200	<100,000	na	<290	na	na	na	na	<12	na	na	na	<12	<11	<600
Tetrachloroethene	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	5	<600
1,1,2,2-Tetrachloroethane	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<600
Toluene	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<600
Chlorobenzene	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<600
Ethylbenzene	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	9600
Styrene	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<600
m,p-Xylenes	µg/kg	na	na	na	<17.0	7600	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	11000
o-Xylenes	µg/kg	na	na	na	<17.0	<660	<30,000	na	<290	na	na	na	na	<4	na	na	na	<3	<3	<600

TABLE A-1

Sample Location:		SB-24,25	SB-27,28	SB-26,29	SB-30,31,32	SB-33	SB-35	SB-36	SB-37	SB-39	SB-40	SB-41	SB-42	ISB-2	ISB-3	ISB-4	ISB-5	ISB-6	ISB-7,8	ISB-9
Sample ID:																				
Sample Date:		27-Feb-04	27-Feb-04	27-Feb-04	01-Mar-04	01-Mar-04	01-Mar-04	01-Mar-04	01-Mar-04	01-Mar-04	01-Mar-04	01-Mar-04	01-Mar-04	03-Mar-04	03-Mar-04	03-Mar-04	03-Mar-04	03-Mar-04	03-Mar-04	03-Mar-04
Sample Depth:		0-4	0-4	0-4	4-10	0-4	4-10	8-9	4-5.5	8-8.5	0-4	0-6	0-8	4-8	0-8	0-4	0-8	0-8	4-8,7-10	0-7
Code																				
	Units																			
Percent Solids	%	90	82	82	88	73	83	82	87	85	84	89	79	85	82	90	89	86	88	83
SVOCs																				
Phenol	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
bis(2-Chloroethyl)ether	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
2-Chlorophenol	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
1,3-Dichlorobenzene	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
1,4-Dichlorobenzene	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
1,2-Dichlorobenzene	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
2-Methylphenol	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
2,2-Oxybis(1-Chloropropane)	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
4-Methylphenol	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
n-Nitrosodnpropylamine	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Hexachloroethane	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Nitrobenzene	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Isophorone	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
2-Nitrophenol	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
2,4-Dimethylphenol	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
bis(2-Chloroethoxy)methane	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
2,4-Dichlorophenol	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
1,2,4-Trichlorobenzene	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Naphthalene	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
4-Chloroanilene	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Hexachlorobutadiene	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
4-Chloro-3-methylphenol	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
2-Methylnaphthalene	µg/kg	na	na	na	na	1500	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Hexachlorocyclopentadiene	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
2,4,6-Trichlorophenol	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
2,4,5-Trichlorophenol	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
2-Chloronaphthalene	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
2-Nitroaniline	µg/kg	na	na	na	na	<46,000	na	<4,100	na	na	na	na	na	<3,900	na	na	na	<3,900	<3,800	<4,000
Dimethylphthalate	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Acenaphthalene	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
2,6-Dinitrotoluene	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
3-Nitroaniline	µg/kg	na	na	na	na	<46,000	na	<4,100	na	na	na	na	na	<3,900	na	na	na	<3,900	<3,800	<4,000
Acenaphthene	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
2,4-Dinitrophenol	µg/kg	na	na	na	na	<46,000	na	<4,100	na	na	na	na	na	<390	na	na	na	<3,900	<3,800	<4,000
4-Nitrophenol	µg/kg	na	na	na	na	<46,000	na	<4,100	na	na	na	na	na	<3,900	na	na	na	<3,900	<3,800	<4,000
Dibenzofuran	µg/kg	na	na	na	na	<4,600	na	430	na	na	na	na	na	<390	na	na	na	<390	<380	<400
2,4-Dinitrotoluene	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Diethylphthalate	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
4-Chlorophenylphenylether	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Fluorene	µg/kg	na	na	na	na	<4,600	na	480	na	na	na	na	na	<390	na	na	na	<390	<380	<400
4-Nitroanaline	µg/kg	na	na	na	na	<46,000	na	<4,100	na	na	na	na	na	<3,900	na	na	na	<3,900	<3,800	<4,000
2-Methy-4,6-dinitrophenol	µg/kg	na	na	na	na	<46,000	na	<4,100	na	na	na	na	na	<3,900	na	na	na	<3,900	<3,800	<4,000
n-Nitrosodiphenylamine	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
4-Bromophenylphenylether	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Hexachlorobenzene	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400

TABLE A-1

Sample Location:		SB-24,25	SB-27,28	SB-26,29	SB-30,31,32	SB-33	SB-35	SB-36	SB-37	SB-39	SB-40	SB-41	SB-42	ISB-2	ISB-3	ISB-4	ISB-5	ISB-6	ISB-7,8	ISB-9
Sample ID:																				
Sample Date:		27-Feb-04	27-Feb-04	27-Feb-04	01-Mar-04	01-Mar-04	01-Mar-04	01-Mar-04	01-Mar-04	01-Mar-04	01-Mar-04	01-Mar-04	01-Mar-04	03-Mar-04	03-Mar-04	03-Mar-04	03-Mar-04	03-Mar-04	03-Mar-04	03-Mar-04
Sample Depth:		0-4	0-4	0-4	4-10	0-4	4-10	8-9	4-5.5	8-8.5	0-4	0-6	0-8	4-8	0-8	0-4	0-8	0-8	4-8,7-10	0-7
Code																				
	Units																			
Percent Solids	%	90	82	82	88	73	83	82	87	85	84	89	79	85	82	90	89	86	88	83
Pentachlorophenol	µg/kg	na	na	na	na	<9,100	na	<810	na	na	na	na	na	<780	na	na	na	<780	<760	<800
Phenanthrene	µg/kg	na	na	na	na	530	na	2700	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Anthracene	µg/kg	na	na	na	na	<4,600	na	590	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Carbazole	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Di-n-butylphthalate	µg/kg	na	na	na	na	18000	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Fluoranthene	µg/kg	na	na	na	na	660	na	2300	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Pyrene	µg/kg	na	na	na	na	1100	na	1800	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Butylbenzylphthalate	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
3,3-Dichlorobenzidine	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Benzo(a)anthracene	µg/kg	na	na	na	na	500	na	890	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Chrysene	µg/kg	na	na	na	na	560	na	750	na	na	na	na	na	<390	na	na	na	<390	<380	<400
bis(2-Ethylhexyl)phthalate	µg/kg	na	na	na	na	1700	na	<410	na	na	na	na	na	<390	na	na	na	<390	1400	1800
Di-n-octylphthalate	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Benzo(b)fluoranthene	µg/kg	na	na	na	na	930	na	930	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Benzo(k)fluoranthene	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Benzo (a) pyrene	µg/kg	na	na	na	na	<4,600	na	630	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Indeno (1,2,3-cd) pyrene	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Dibenzo(a,h)anthracene	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400
Benzo(g,h,i)perylene	µg/kg	na	na	na	na	<4,600	na	<410	na	na	na	na	na	<390	na	na	na	<390	<380	<400

Notes:

na - not analyzed