



## Phase II Environmental Site Assessment Report

VACANT PROPERTY/PROPOSED COMPASSION  
COALITION, INC. DEVELOPMENT SITE

2.19-Acre Vacant Property between  
1000 and 1100 Lincoln Avenue, Utica, New York

April 18, 2017



# Phase II Environmental Site Assessment

Vacant Property/Proposed  
Compassion Coalition, Inc. Development Site

2.19-Acre Vacant Site between  
1000 and 1100 Lincoln Avenue  
City of Utica, Oneida County, New York

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## 1.0 Introduction

### 1.1 Purpose of Report

Strategic Environmental, LLC (Strategic Environmental) was retained by SMSA Architectural Services to conduct a Phase II Environmental Site Assessment (ESA) of a 2.19-acre vacant property located along the north side of Lincoln Avenue, between Warren and Roberts Streets, in the City of Utica, Oneida County, New York (subject property). The property is comprised of several individual tax parcels identified on Oneida County Tax Maps 318.48 and 318.49. The property presently consists of vacant land that is being used as an equipment and material staging site in connection with the ongoing reconstruction of the North-South Arterial Highway that passes through the City along the north side of the subject site.

The purpose of this Phase II ESA was to investigate subsurface conditions beneath a portion of the property that had historically been occupied by a drycleaning operation from the late 1940s through the late 1980s or early 1990s. The Phase II ESA also included the collection of groundwater and soil vapor samples from the eastern end of the property, due to the presence of an existing/active drycleaning operation located to the southeast of the site, across Lincoln Avenue.

### 1.2 Scope of Investigation

This Phase II ESA was performed in general accordance with ASTM Practice E 1903-11 for conducting subsurface environmental assessments. The assessment included the advancement of seven (7) soil borings in the area previously occupied by the drycleaning operation, and one (1) soil boring at the southeast end of the property. Samples of soil, groundwater and soil vapor were collected from the various borings for laboratory analysis. The laboratory analyses were intended to search for chlorinated and non-chlorinated volatile organic compounds (VOC) common to drycleaning facilities, industrial solvents, and petroleum products.

The soil borings were performed by Strategic's drilling sub-contractor, Lyon Drilling Company of Tully, New York. Laboratory analysis of soil and groundwater samples was performed by Strategic's laboratory sub-contractor, SGS/Accutest of Marlborough, Massachusetts. Laboratory analysis of soil vapor samples was performed by Strategic's laboratory sub-contractor, Centek Laboratories of East Syracuse, New York.

### **1.3 Limitations and Exceptions**

Strategic Environmental's Phase II subsurface site evaluation was performed in accordance with generally accepted practices of other consultants undertaking similar studies in the same geographical area. Strategic Environmental has exercised the same care and skill generally exercised by other consultants in similar circumstances and conditions. Our findings and conclusions must not be considered scientific certainties, but rather as our professional opinion concerning the significance of the limited sampling data gathered during the course of the Phase II subsurface environmental site assessment. No expressed or implied warranty is made. Specifically, Strategic Environmental cannot represent that the site contains no hazardous material, oil, or other latent condition beyond that investigated/sampled by Strategic Environmental at the time of subsurface site investigation.

### **1.4 Special Terms and Conditions**

This study and report have been prepared on the behalf and for the exclusive use of SMSA Architectural Services and Compassion Coalition, Inc. This report and its findings shall not, in whole or in part, be provided to or used by any other party without prior written consent of these entities **and** Strategic Environmental.

## 2.0 Site Information and History

### 2.1 Site and Vicinity General Characteristics

The subject property is located between Lincoln Avenue and the North-South Arterial Highway, in a predominantly residential area, in the north-central section of the City of Utica. Light commercial use is intermixed throughout the surrounding neighborhoods. The North-South Arterial Highway, also identified as New York State Route 12, passes through the area along the north side of the property, serving as the primary north-to-south travel corridor through the City and one of the primary north-to-south travel corridors through the region. The site is bordered on the south by Lincoln Avenue, on the west by Warren Street, and on the east by the former location of Roberts Street. Both Warren and Roberts Streets were terminated at the south edge of the North-South Arterial Highway when the Highway was constructed in the late 1960's. Roberts Street was later terminated at Lincoln Avenue in recent years, apparently coinciding with the use of the property as a construction equipment and material staging yard.

The subject property is somewhat irregularly-shaped, with a width of approximately 168 feet on at the west end, along Warren Street, and approximately 55 feet on the east end, along former Roberts Street. The property is approximately 829 feet in length in a general northeast to southwest orientation. The western approximately 40 percent of the site is surrounded by a metal chain-link perimeter fence, with access along Warren Street and Lincoln Avenue. The surface of the site is comprised principally of gravel, with unmaintained grassy/brush vegetation along the north side. There are presently no structures on the property; however, remnants of past structures (i.e., foundations, building demolition debris) may exist in the subsurface, as the site was historically developed with a number of residential and commercial structures.

The subject and surrounding properties are served by the City of Utica municipal water and sewer systems, and supplied with natural gas and electric service by National Grid. Evidence of water shutoff valves, sewer manholes, and storm water catch basins is visible along Lincoln Avenue and Warren Street.

The western, fenced portion of the property is presently used to store construction equipment (excavators, backhoes, trucks, trailers, storage boxes, traffic control equipment, concrete forms, and similar items) and materials (masonry block, metal concrete reinforcing mesh and steel, concrete curing products, etc.) utilized in the ongoing highway construction/reconstruction

along the North-South Arterial Highway. The eastern approximately 60 percent of the site is used to store gravel, sand, stone, polyethylene, PVC, and concrete drainage pipe, concrete traffic barrier, and similar items, also used in the ongoing highway project.

The topography of the western section of the subject property slopes moderately toward the north, in the direction of the North-South Arterial Highway. The topography of the eastern section of the site slopes moderately toward the northeast. Grade elevations on the property range from approximately 460 feet above mean sea level near the southwest corner, to approximately 446 feet above mean sea level near the northeast corner. The overall surrounding topography slopes gently toward the north and northeast, in the direction of the Mohawk River.

## **2.2 Site History**

Available historical information indicates that the subject property had historically consisted of numerous small individual parcels. From the 1800s through the early 1920's, the individual parcels appear to have been residential in use. In the early 1920's, a few businesses existed amongst the residential parcels, including a pharmacy, a bakery, a restaurant, a butcher/meat market, and a furniture store. By 1940, several additional businesses existed, remaining through the 1950's and early 1960's. The number of businesses decreased through the 1960's, 1970's and 1980's. The businesses that existed on the various parcels that comprise the present subject property included furniture and bedding stores; restaurants; a jeweler; shoe repair businesses; a painting company; a travel agency; insurance and real estate offices; appliance sales and service; a bakery; a mechanical packing equipment distributor; barbers and hair salons; groceries and meat markets; a furniture repair shop; dry goods, variety and discount stores; a liquor store; a pharmacy; an art studio; a radio service; a laundry and tailor; a camping and sporting goods store; a hardware store; a United States Postal Service sub-station; and a dry cleaner. With the exception of the drycleaning facility, these uses are not considered to represent *recognized environmental conditions* with respect to the subject property. The North-South Arterial Highway was constructed through the area immediately north of the subject property at some time between 1965 and 1970, based on available topographic maps, aerial photographs, and historic fire insurance maps. Prior to the highway, a series of rail tracks and coal sheds existed along the north side of the subject property.

The past presence of a drycleaning operation is considered to be a *recognized environmental condition*, as such operations historically utilized chlorinated solvents and have been known to result in subsurface contamination of soil, groundwater, and soil vapor. The available historical information indicates that a drycleaning operation existed near the southwestern portion of the subject property from some time between 1946 and 1950, through some point between 1985 and 1991 (estimated 35 to 45 years). The location of the former dry cleaner is depicted on the fire insurance map excerpt included in Section 6.4 above.

### **2.3 Current Uses of the Adjoining Properties**

The subject property is bordered to the north by the North-South Arterial Highway, followed by a predominantly residential neighborhood with intermittent neighborhood commercial/retail development; to the east by the former location of Roberts Street, followed by a vacant parcel; to the south by Lincoln Avenue, followed by a residential neighborhood, a café ("Tramontane Café"), and a tavern ("The Bearded Dolphin Tavern"); and to the west by Warren Street, followed by the Kowalczyk Funeral Home, the Holy Trinity Catholic Church, and then residential parcels.

### **2.4 Soil Conditions**

According to the United States Department of Agriculture (USDA) Natural Resource Conservation Service (NRCS) Web Soil Survey, the soil present beneath the subject property is characterized as Urban Land, typically indicating land that is paved or has been highly disturbed.

### **2.5 Geologic Conditions**

Surficial (soil) geologic information was obtained from the Surficial Geologic Map of New York-Hudson-Mohawk Sheet (1987, Donald H. Cadwell and Robert J. Dineen), and bedrock geologic information was obtained from the Geologic Map of New York-Hudson-Mohawk Sheet (1970, Donald W. Fisher, Yngvar W. Isachsen, and Lawrence V. Rickard). The surficial soil deposits at the site are characterized as lacustrine sand, described as "sand deposits associated with large bodies of water, generally near shore deposit or near a sand source, well sorted, stratified,

generally quartz sand, thickness variable (2-20 meters)". The bedrock beneath the site is mapped as being Utica Shale of the Lorraine, Trenton and Black River Groups.

## **2.6 Surface Water and Groundwater Conditions**

There are presently no surface water bodies on or immediately near the subject property. The closest surface water body to the subject property is the Mohawk River/Erie Canal, located approximately 3,300 feet north of the property, flowing through the area in a general west to east orientation. Based on local topography, predominant groundwater flow in the area is expected to be toward the northeast, in the general direction of the Mohawk River/Erie Canal.

## 3.0 Investigation Methodologies

### 3.1 Investigation Scope

The field components of the Phase II ESA subsurface investigation began on March 10, 2017. Based on the laboratory analysis data from the initial event, additional investigation was performed on April 7, 2017. The subsurface investigation consisted of the following tasks:

- Prior to initiating the subsurface investigation activities, Lyon Drilling Co. notified Dig Safely New York, to arrange for identification and marking of buried utilities at the site.
- The investigation performed at the property consisted of the advancement of seven (7) soil borings in the area previously occupied by the drycleaning operation on the southwestern portion of the site (SE-1 through SE-3 and SE-5 through SE-8), and one (1) boring at the southeast corner of the site (SE-4). The approximate locations of the soil borings are shown on Figures 2A, 2B and 2C.
- The borings were advanced by direct-push sampling methodologies. Continuous soil sampling was conducted at each boring location using Geoprobe® Systems' Macro-Core® soil samplers. The borings were advanced to a depth sufficient to encounter the groundwater table, unless sampler refusal was encountered prior to that depth. At locations where elevated field headspace screening results were encountered, the sampling continued to depths at which such conditions diminished. In general, the seven borings on the western portion of the site were advanced to depths of 14.5 to 16 feet below grade, and the boring at the southeast end of the site was advanced to a depth of 12 feet below grade.
- The soil samples recovered from these borings were classified with respect to predominant soil types, texture, and relative moisture content; examined for staining or obvious odors suggestive of impact by petroleum products; and field screened with a portable photo-ionization detector (PID), to document whether volatile organic compounds (VOC) are released from the soil. The PID screening was performed by headspace analysis methods, by placing a representative portion of the soil sample into a re-sealable plastic bag, and monitoring the airspace surrounding the soil within the

bag as the soil is agitated to promote the release of VOC. The PID was calibrated daily with a 100 part-per-million (ppm) isobutylene/air calibration gas mixture.

- Samples of soil were retained from select borings for laboratory analysis to document concentrations of specific volatile organic compounds (VOC). The location and depth of soil sample collection for laboratory analysis were based upon field observations and professional judgment at that time. In general, the samples were collected from the depths of the selected borings at which the highest PID screening results were recorded (if present), or, in the absence of elevated headspace screening results, from zones of visible staining (if encountered).
- Temporary PVC monitoring wells were installed in six (6) of the boreholes, to allow collection of groundwater samples.
- Soil vapor sampling implants were installed in two (2) locations, to allow the collection of soil vapor samples from the unsaturated zone. One sampling implant was installed on the southwestern portion of the site, in the area of the former drycleaning facility, and one implant was installed at the southeastern end of the site, to sample for migration of VOC from the southeasterly neighboring existing drycleaning facility (located across Lincoln Avenue).
- Following receipt of laboratory analysis results that indicated the presence of chlorinated VOC in soil and groundwater at the site, Strategic Environmental reported a spill to the DEC Spill Hotline. As a result, NYSDEC Spill Number 1700428 was assigned to the site.

### **3.2 Soil Sampling Methods**

Continuous soil sampling was performed at each of the soil borings by direct-push methodologies, using Geoprobe® Systems' Macro-Core® Soil Samplers. The Macro-Core samplers consist of steel barrels having an inside diameter of 1.75 inches and a length of forty-eight (48) inches. Single-use clear PVC liners were inserted into the sampling barrels prior to advancement, and the resultant soil cores were collected in the PVC liners as the samplers were advanced.

### **3.3 Soil Classification**

The soil samples collected from the borings were field-classified with respect to predominant soil types and texture and relative moisture content, based on manual and visual field observations, and examined for staining and/or obvious indicators of petroleum impact. The observed soil lithologies and pertinent observations are documented on the Boring Logs contained in Appendix A.

### **3.4 Field Screening and Sampling of Soils for Volatile Organic Compounds**

The recovered soil samples were screened by headspace analysis methods, using a portable photo-ionization detector (PID-MiniRae® Model 2000) equipped with a 10.6 eV lamp. The PID was calibrated to a 100 part-per-million (ppm) isobutylene/air calibration gas mixture. The headspace screening was performed by placing a representative portion of the collected soil samples into re-sealable plastic bags ("Zip-lock" bags), and subsequently screening the air surrounding the soil within the bags with the portable PID as the containerized soil was agitated. The screening was intended to determine the relative concentration of volatile organic compounds (VOCs) that are released from the respective soil sample into the airspace of the bag. The PID screening results recorded for each boring was noted on the Boring Logs contained in Appendix A.

Based on the headspace screening results, samples of soil were retained from borings SE-5, SE-6, SE-7 and SE-8 for laboratory analysis by USEPA Method 8260 (Target Compound List). The samples were collected from the depth interval in which the highest headspace screening value was observed in the respective boring.

### **3.5 Temporary Monitoring Well Installation/Groundwater Sampling**

Following the advancement of the soil borings, a temporary groundwater monitoring wells were installed within borings SE-2, SE-4, SE-5, SE-6, SE-7 and SE-8, to allow collection of groundwater samples. Each well was constructed of ten feet of 1-inch O.D. PVC well screen placed in the lower section of the borehole, with flush-threaded compatible solid Schedule 40 PVC riser pipe extending above existing grade. The well annulus surrounding and immediately above the screened interval was filled with uniformly graded, washed silica sand. A sanitary seal comprised of bentonite pellets was installed above the sand pack, to limit intrusion of surface

water. The remainder of the well annulus above the bentonite seal was filled with auger cuttings from the corresponding borehole.

Groundwater samples were subsequently collected from each temporary well for laboratory analysis by USEPA Method 8260 (Target Compound List). Each well was purged of several volumes of water with a peristaltic pump prior to collection of samples.

### **3.6 Soil Vapor Implant Installation/Vapor Sampling**

Stainless steel vapor sampling points (8-inches in length) were installed within the unsaturated zone above the groundwater table at one location in the area of the former drycleaning facility on the western portion of the site (vicinity of SE-3), and at one location on the southeast end of the property (vicinity of SE-4). At these locations, the Macro-core soil samplers were advanced to create a +/- 2-inch diameter borehole into the soil. The western vapor sampling point was installed at a depth of 5 to 5.7 feet below grade, and the eastern point was installed at a depth of 2.8 to 3.5 feet below grade. The annulus surrounding and immediately above the stainless steel sampling implant was filled with uniformly graded silica sand, and the remainder of the annulus was filled with bentonite-cement grout. Teflon-lined polyethylene tubing was connected to the top of the stainless steel implants, to extend above grade to allow vapor sample collection. The bentonite-cement grout seals were allowed to cure prior to collection of vapor samples.

Prior to sampling, a helium tracer gas was used at each vapor sampling location to test the integrity of the bentonite-cement grout seal placed above the implant and sand pack in the borehole. The tracer gas was introduced into a shroud constructed of a plastic pail that was placed over the port once it was installed and sealed. Air was drawn from the sampling port by a Restek Electronic Leak Detector that provided a real-time measurement of helium in the sub-slab air. An alarm would sound if helium in the extracted sub-slab air exceeded 10%, indicating a leak in the bentonite-cement grout seal. The sampling points were determined to be adequately sealed through the helium tracer gas testing process, prior to beginning sample collection.

Prior to sampling from the implants, one to three times the volume of the sampling port and tubing was purged to remove air that is not representative of the subsurface environment.

Vapor samples were then collected from each sampling point using laboratory-provided stainless steel canisters that had been placed under vacuum. The mini-canisters were connected to the Teflon-lined polyethylene tubing, and slowly drew in samples of the subsurface soil vapor over a period of approximately twenty minutes. The canisters were then returned to Centek Laboratories for analysis.

### 3.7 Laboratory Analysis of Soil Samples

Four (4) soil samples were collected from borings advanced on the western portion of the site, in the general vicinity of the former drycleaning operation, for laboratory analysis, to document concentrations of individual volatile organic compounds (VOC) common to drycleaning facilities and found in various petroleum products. The samples were analyzed by USEPA Method 8260 (Target Compound List). The VOC sample results were compared to the NYSDEC Commissioner Policy 51 – Soil Clean-up Guidance (CP-51), dated October 2010. The soil sampling locations, depths and PID headspace screening values are summarized in the following table.

**Summary of Soil Sampling Locations**

Boring I.D.	Sample Depth (ft)	Maximum Field PID Screening Result (ppm)
SE-5	9-10	183
SE-6	11-12	112
SE-7	11-12	252
SE-8	9-10	4.6

ppm - parts-per-million  
 ND - None Detected

### 3.8 Laboratory Analysis of Groundwater Samples

Five (5) groundwater samples were collected from temporary monitoring wells installed on the western portion of the site, in the general vicinity of the former drycleaning operation, and one (1) groundwater sample was collected from a temporary monitoring well installed on the southeastern corner of the site. The samples were subjected to laboratory analysis to document concentrations of individual volatile organic compounds (VOC) common to drycleaning facilities and found in various petroleum products. The samples were analyzed by USEPA

Method 8260 (Target Compound List). The VOC sample results were compared to New York State groundwater standards and guidance values established in the NYSDEC's *Technical and Operation Guidance Series (TOGS) 1.1.1*. The groundwater sampling locations and depths are summarized in the following table.

### Summary of Groundwater Sampling Locations

Boring I.D.	Screen Interval Depth (ft)	Maximum Field PID Screening Result-Soil (ppm)
SE-2	4.5-14.5	ND
SE-4	2-12	ND
SE-5	6-16	183
SE-6	6-16	112
SE-7	6-16	252
SE-8	6-16	4.6

ppm - parts-per-million  
 ND - None Detected

### 3.9 Laboratory Analysis of Soil Vapor Samples

Two (2) soil vapor samples were collected from the site for laboratory analysis to document concentrations of individual volatile organic compounds (VOC) common to drycleaning facilities and found in various petroleum products. The samples were analyzed by USEPA Compendium Method TO-15. The soil vapor sampling locations and depths are summarized in the following table.

### Summary of Soil Vapor Sampling Locations

Boring I.D.	Sample Depth (ft)	Maximum Field PID Screening Result-Soil (ppm)
SE-3	5	ND
SE-4	3.5	ND

ppm - parts-per-million  
 ND - None Detected

## 4.0 Investigation Findings

### 4.1 Site Geology

The soil lithology on the western portion of the site, in the general area of the former drycleaning operation, consists of fill material comprised of a heterogenous mix of silt, sand, gravel, brick fragments, ash and cinders, coal fragments, wood fragments, and glass fragments to depths of 7.5 to 12 feet below grade. This fill material was generally underlain by natural deposits comprised of silt, clay and fine to very fine sand. The lithology at the eastern end of the site consists of fill material to approximately 5 feet below grade, underlain by natural deposits of silt and medium to very fine sand. The specific lithology observed at each boring is documented on the corresponding boring logs included in Appendix A.

### 4.2 Field PID Screening Results

The specific PID screening value recorded for each distinct interval of each boring is documented on the boring logs contained in Appendix A. A summary of the PID field screening analysis (in ppm) is also as follows:

**Summary of Soil Sampling PID Screening Field Analysis**

Soil Boring ID	Boring Depth (feet)							
	0-2	2-4	4-6	6-8	8-10	10-12	12-14	14-16
SE-1	ND	ND	ND	ND	ND	ND	ND	ND
SE-2	ND	ND	ND	ND	ND	ND	ND	ND
SE-3	ND	ND	ND	ND	ND	ND	ND	ND
SE-4	ND	ND	ND	ND	ND	ND	--	--
SE-5	ND	ND	ND	0.3	183	3.8	ND	ND
SE-6	ND	1.1	1.8	1.8	2.1	112	12.9	16.4
SE-7	0.3	ND	2.3	24.4	24.2	252	95.1	78.1
SE-8	ND	ND	1.1	0.8	2.3	4.6	0.7	1.8

ND - None Detected  
 "--" - PID reading not taken

### 4.3 Laboratory Analysis – VOC in Soil

The laboratory data for the soil samples collected during the investigation indicate that all or samples contained detectable concentrations of VOC, and predominantly chlorinated VOC. Concentrations of these compounds in three of the borings exceeded currently recognized soil

cleanup objectives (for unrestricted site use) established by the NYSDEC in 6NYCRR Part 375. The most prominent compound detected was tetrachloroethylene, a solvent historically used extensively in the drycleaning industry. The other prominent VOC detected included trichloroethene, cis- and trans-1,2-dichloroethene, and vinyl chloride. These compounds often represent daughter (i.e., breakdown) products resulting from the degradation of tetrachloroethene in the environment (the normal degradation pathway is tetrachloroethene to trichloroethene to cis or trans 1,2-dichloroethene to vinyl chloride).

The table below summarizes the sample results for VOC concentrations with the associated Unrestricted Use Soil Cleanup Objectives (SCOs) established by the NYSDEC. Copies of the laboratory analysis and sample custody are found in Appendix B.

**Summary of Detected VOC Concentrations in Soil Samples and Associated NYSDEC Soil Cleanup Objectives (6NYCRR Part 375)**

Sample Location PID Headspace Reading (ppm)	SE-5, 9-10 Ft. 183	SE-6, 11-12 Ft. 112	SE-7, 11-12 Ft. 252	SE-8, 9-10 Ft. 4.6	Unrestricted Use Soil Cleanup Objectives 6NYCRR Part 375
Volatile Organic Compound Detected	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Acetone	35.8	ND	26.7	8.3	50
2-Butanone (MEK)	4.9	ND	ND	ND	120
Carbon Disulfide	ND	ND	0.43	0.48	NE
Chlorobenzene	ND	ND	0.84	ND	1,100
1,2-Dichlorobenzene	ND	3.7	2.3	ND	1,100
1,4-Dichlorobenzene	ND	0.82	0.32	ND	1,800
1,1-Dichloroethene	ND	1.5	3.4	ND	330
Cis-1,2-Dichloroethene	5.5	197	<b>2,620</b>	80.9	250
Trans-1,2-Dichloroethene	ND	4.5	26.2	0.85	190
Isopropylbenzene	9.0	ND	ND	ND	2,300
Methylcyclohexane	41.0	ND	ND	ND	NE
Tetrachloroethene	1.1	<b>38,600</b>	<b>11,800</b>	<b>11,300</b>	1,300
Trichloroethene	1.1	<b>1,700</b>	<b>5,220</b>	91.7	470
Vinyl Chloride	2.0	10.8	2.2	3.1	20
Total Xylenes	ND	ND	0.55	ND	260

NOTES: ND = Not Detected.

NE = Not Established

Bold font type and shaded cells indicate compound concentrations exceeding Soil Cleanup Objective.

#### 4.4 Laboratory Analysis – VOC in Groundwater

The VOC data for the groundwater samples collected during the investigation indicate the presence of similar compounds in borings SE-5, SE-6, SE-7 and SE-8 at concentrations exceeding to significantly exceeding current New York State Groundwater Standards. The table below summarizes the sample results for VOC concentrations in groundwater, in comparison to currently established NYS Groundwater Standards and guidance values. Copies of the laboratory analysis data and sample custody are attached as Appendix B.

**Summary of Detected VOC Concentrations in Groundwater Samples and Associated NYS Groundwater Standards and Guidance Values (TOGS 1.1.1)**

Sample Location	SE-2	SE-4	SE-5	SE-6	SE-7	SE-8	NYS Groundwater Standard or Guidance Value
Sample Date	3/10/2017	3/10/2017	4/7/2017	4/7/2017	4/7/2017	4/7/2017	NYSDEC TOGS 1.1.1
Volatiles Organic Compound Detected	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
Acetone	25.3	16.5	ND	ND	ND	ND	50 (GV)
Chlorobenzene	ND	ND	ND	0.39	<b>6.9</b>	ND	5
Chloroform	ND	ND	ND	0.42	ND	ND	7
Chloroethane	<b>6.1</b>	1.4	ND	ND	0.58	ND	5
Chloromethane	9.4	2.4	ND	ND	ND	ND	NE
1,2-Dichlorobenzene	ND	ND	ND	2.0	<b>10.8</b>	ND	3
1,4-Dichlorobenzene	ND	ND	ND	<b>0.26</b>	2.0	ND	3
1,1-Dichloroethane	ND	ND	ND	ND	1.1	ND	5
1,1-Dichloroethene	ND	ND	ND	4.6	<b>119</b>	0.93	5
Cis-1,2-Dichloroethene	ND	ND	<b>6.4</b>	<b>392</b>	<b>13,500</b>	<b>245</b>	5
Trans-1,2-Dichloroethene	ND	ND	0.96	<b>8.1</b>	<b>388</b>	2.5	5
1,2-Dichloropropane	ND	ND	ND	<b>1.3</b>	<b>54.7</b>	ND	1
Ethylbenzene	ND	ND	ND	ND	0.55	ND	5
Isopropylbenzene	ND	ND	ND	ND	2.0	ND	5
Tetrachloroethene	ND	ND	<b>16.1</b>	<b>7,320</b>	<b>132,000</b>	<b>225</b>	5
Toluene	ND	ND	ND	ND	1.5	ND	5
Trichloroethene	ND	ND	<b>8.9</b>	<b>364</b>	<b>10,500</b>	<b>268</b>	5
Vinyl Chloride	ND	ND	<b>2.5</b>	<b>19.5</b>	<b>1,850</b>	<b>8.7</b>	2

NOTES: ND = Not Detected.

GV = Guidance Value (all other values represent Groundwater Standards).

NE = Not Established

Bold font type and shaded cells indicate compound concentrations exceeding Standard or Guidance Value.

#### 4.5 Laboratory Analysis – VOC in Soil Vapor

Laboratory analysis of the two (2) surface soil vapor samples collected from the site are summarized in the following table. The laboratory analysis report for the soil vapor samples is included in Appendix C of this report.

**Summary of Detected VOC Concentrations in Soil Vapor Samples and Associated NYSDEC Soil Cleanup Objectives (6NYCRR Part 375)**

Sample Location PID Headspace Reading (ppm)	SE-3. ND	SE-4. ND
Volatile Organic Compound Detected	(ug/m3)	(ug/m3)
1,1,1-trichloroethane	1.6	ND
1,1-Dichloroethene	19	ND
1,2,4-Trimethylbenzene	ND	1.5
2,2,4-Trimethylpentane	6.6	5.9
Acetone	930	1,200
Benzene	11	3.1
Carbon Disulfide	0.53	1.7
Chloroform	5.5	0.59
Cis-1,2-Dichloroethene	130	ND
Cyclohexane	6.5	ND
Ethylbenzene	6.5	3.3
Freon 11	46	2.5
Freon 12	3.3	1.9
Heptane	11	6.0
Hexane	14	ND
Isopropyl Alcohol	ND	8.1
M & p-xylene	15	10
Methyl Butyl Ketone	52	61
Methyl Ethyl Ketone	40	96
Methyl Isobutyl Ketone	18	26
Methylene Chloride	0.42	ND
o-xylene	ND	3.6
Styrene	ND	0.77
Tetrachloroethene	29,000	100
Tetrahydrofuran	5.8	5.9
Toluene	57	27
Trichloroethene	320	1.3
Vinyl Chloride	0.33	ND

NOTES: ND = Not Detected.

New York State does not currently have any standards, criteria or guidance values for concentrations of compounds in soil vapor. Soil vapor concentrations are reviewed in

conjunction with the results of other environmental sampling, to identify areas of relatively elevated concentrations of VOC in soil vapor, and identify possible sources of soil vapor contamination. Soil vapor migration may not adhere to traditional plume-like patterns, and may be influenced by natural subsurface conditions (zones of higher soil void space/permeability, varying moisture content, pressure gradients) and man-made conditions (fill material, subsurface utilities, prior ground disturbance).

## 5.0 Conclusions and Recommendations

Strategic has performed a Phase II Environmental Site Assessment of the vacant property located at 1000-1100 Lincoln Avenue in Utica, New York (the subject property). This assessment has revealed the following of recognized environmental conditions in connection with the property:

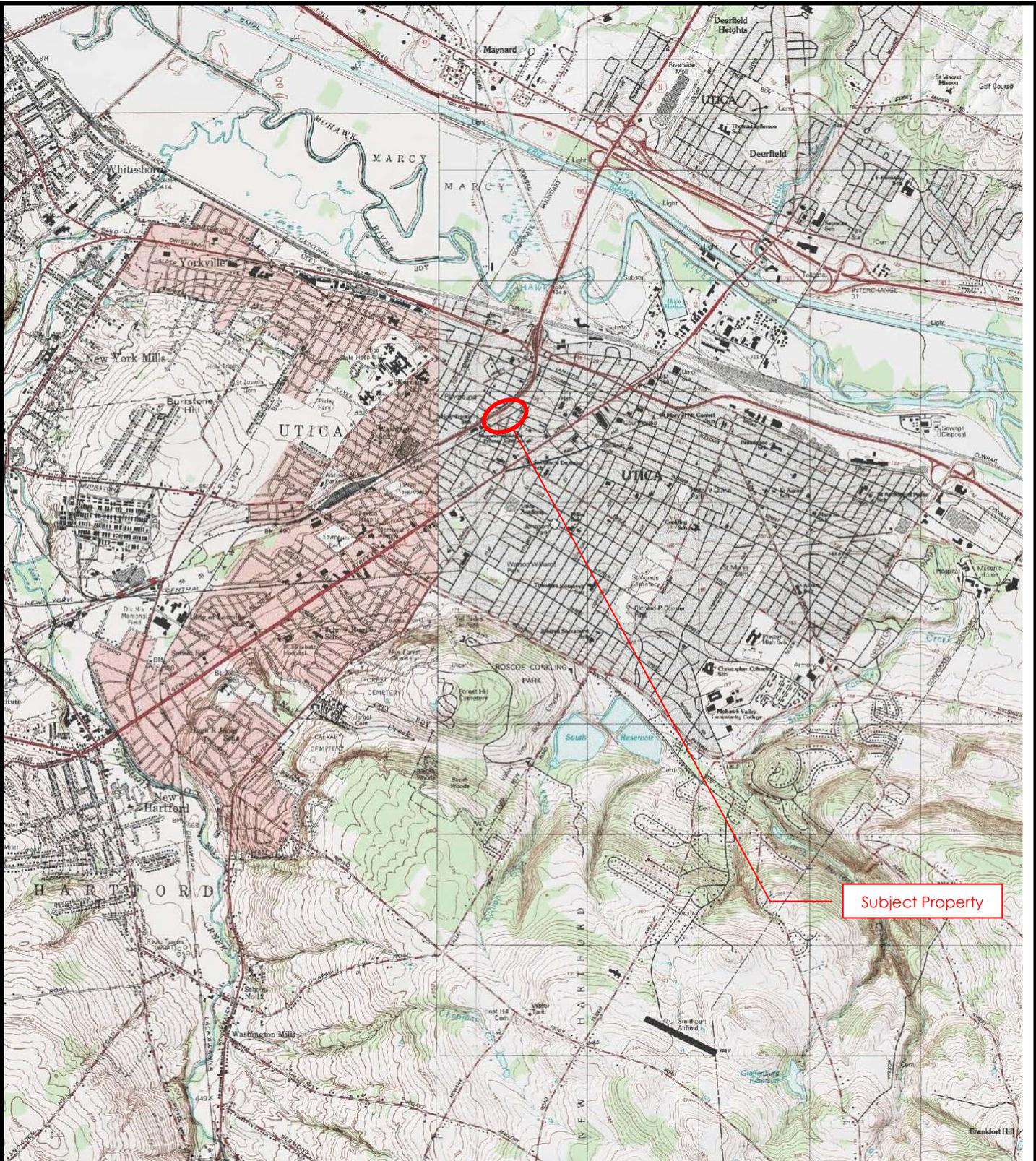
- Site historical information compiled during Strategic's previous Phase I Environmental Site Assessment of the subject property indicates that a drycleaning operation occupied an area of the southwestern portion of the subject property from the late 1940s through the late 1980s or early 1990s.
- Field screening and laboratory analysis of samples of soil from borings collected in the vicinity of the former drycleaning operation indicate the presence of several chlorinated VOC at concentrations exceeding currently recognized regulatory cleanup objectives/criteria. The nature of the VOC detected at elevated concentrations is consistent with products traditionally used in the drycleaning process (tetrachloroethylene) and its degradation/breakdown products (trichloroethene, cis and/or trans-1,2-dichloroethene, and vinyl chloride).
- Results of laboratory analysis performed on samples of groundwater from the vicinity of the former drycleaning facility are generally consistent with the nature of VOC detected in soil in those areas, and indicate the presence of several chlorinated VOC at concentrations significantly exceeding currently recognized New York State groundwater standards. Tetrachloroethylene was detected at concentrations ranging from 16 to 132,000 parts-per billion or ppb (NYS Groundwater Standard is 5 ppb), and its breakdown products, trichloroethene at 9 to 10,500 ppb (NYS Groundwater Standard is 5 ppb), dichloroethene at 6.9 to 13,500 ppb (NYS Groundwater Standard is 5 ppb), and vinyl chloride at 2.5 to 1,850 ppb (NYS Groundwater Standard is 2 ppb). Groundwater flow direction is expected to be toward the northeast, in the general direction of the North-South Arterial Highway and the Mohawk River; however, specific groundwater flow analysis was beyond the scope of this assessment.

- Following receipt of laboratory analysis results and discussions with the client, Strategic Environmental notified the DEC spill hotline on April 13, 2017 of the significant detection of VOC concentrations. The spill was assigned NYSDEC Spill No. 1700428 for regulatory review and follow-up.
- New York State does not currently have any standards, criteria or guidance values for concentrations of compounds in soil vapor. Soil vapor concentrations are reviewed in conjunction with the results of other environmental sampling, to identify areas of relatively elevated concentrations of VOC in soil vapor, and identify possible sources of soil vapor contamination. The presence of elevated concentrations of tetrachloroethylene, trichloroethene, and cis-1,2-dichloroethene is consistent with the presence of soil and groundwater contamination observed in the vicinity of the former drycleaner and poses a potential for those compounds to impact indoor air quality of nearby structures and any future structures constructed on the site (i.e., "soil vapor intrusion" risk). Soil vapor migration may not adhere to traditional plume-like patterns, and may be influenced by natural subsurface conditions (zones of higher soil void space/permeability, varying moisture content, pressure gradients) and man-made conditions (fill material, subsurface utilities, prior ground disturbance). Any future development of the site should consider the risk of soil vapor intrusion and incorporate provisions for mitigation of such risk through building design and function (i.e., sub-slab depressurization system).

## Figures

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- Figure 1 - Location Map
- Figure 2A – Site Plan Showing Investigation Areas
- Figure 2B – Soil Boring Locations, West Portion of Site
- Figure 2C – Soil Boring Locations, East Portion of Site



Source: www.digital-topo-maps.com



**STRATEGIC**  
 Environmental, LLC  
 2705 State Route 370  
 Cato, NY 13033  
 Tel 315.635.8936

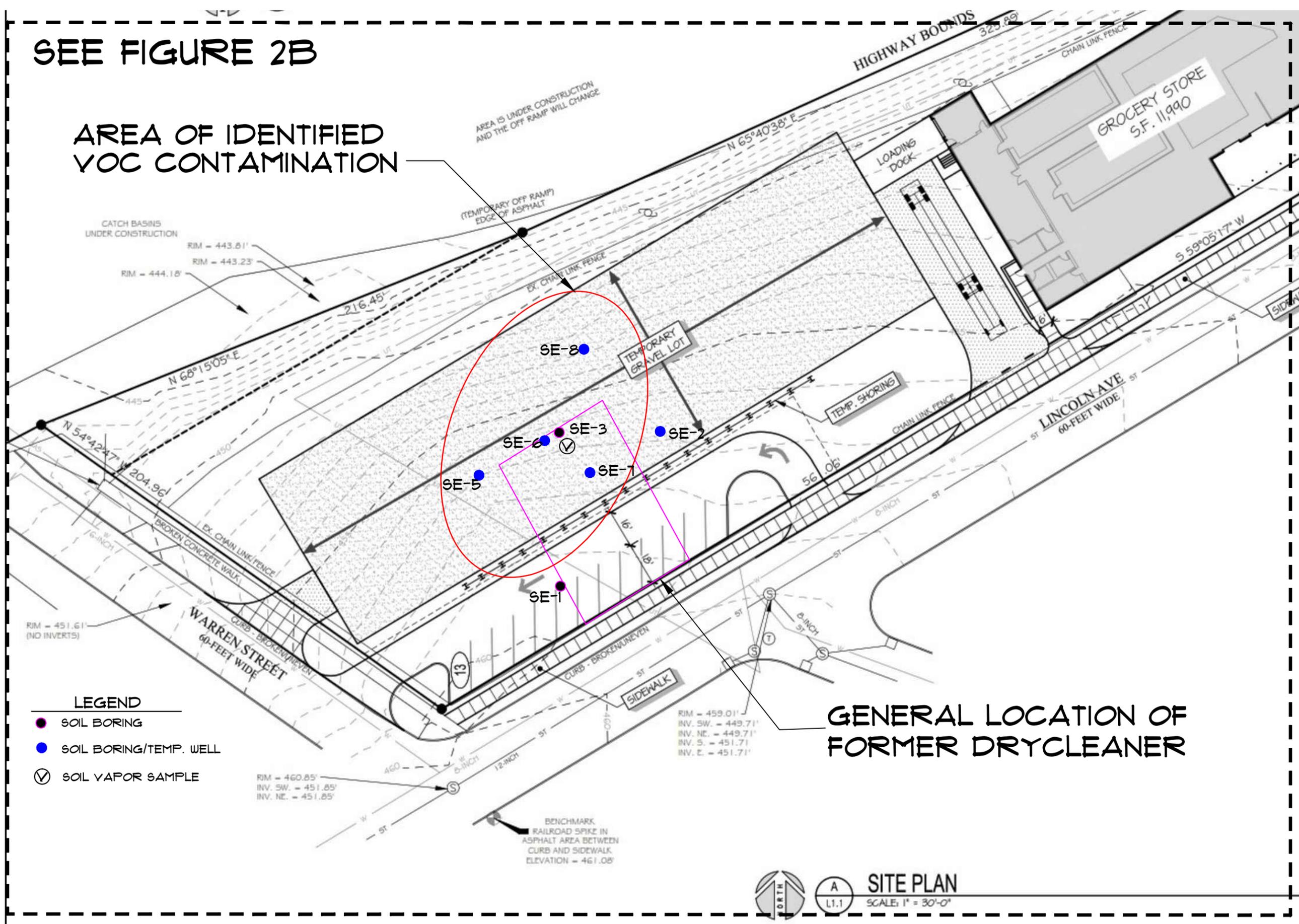
Location Map  
 1000-1100 Lincoln Avenue  
 City of Utica, Oneida County, New York

**FIGURE 1**  
 SE Project No: 17701



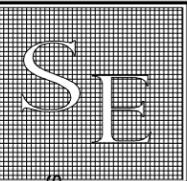
SEE FIGURE 2B

AREA OF IDENTIFIED VOC CONTAMINATION



- LEGEND**
- SOIL BORING
  - SOIL BORING/TEMP. WELL
  - ⊙ SOIL VAPOR SAMPLE

GENERAL LOCATION OF FORMER DRYCLEANER



STRATEGICENVIRONMENTAL, LLC.  
 ENVIRONMENTAL CONSULTANTS & ENGINEERS  
 PO BOX 400 Cats, New York 13033 Telephone: (315) 635-9336

Seal

PHASE II ENVIRONMENTAL SITE ASSESSMENT  
 PROPOSED COMPASSION COALITION, INC.  
 DEVELOPMENT SITE  
 1000-1100 LINCOLN AVENUE, UTICA, NEW YORK

SE JOB NO:	17701
SCALE:	NO SCALE
DATE:	4/13/2017
DRAWN BY:	HNB
CHECKED BY:	HNB

SHEET NO.  
**FIG. 2B**

**SITE PLAN**  
 SCALE: 1" = 30'-0"



## Appendix A

---

Soil Boring Logs



2705 New York State Route 370  
Cato, New York 13033

PROJECT: **Proposed Compassion Coalition Development Site**  
PROJECT NO.: 17701  
LOCATION: 1000-1100 Lincoln Avenue, Utica, New York

DATE STARTED 3-10-2017  
DATE COMPLETED 3-10-2017  
LOGGED BY N. Bradford  
DRILLING COMPANY Lyon Drilling Co.  
NAME OF DRILLER Harry Lyon

DRILLING METHOD Direct-Push  
RIG TYPE CME 55 w/Auto Hammer  
TOTAL DEPTH 16.0 Ft.  
GW DEPTH Approx. 6 Ft.  
SAMPLING METHOD Macro-Core

**BORING LOG: SE-1**

Depth In (feet)	Blow Count	RECOVERY (inches)	USGS	DESCRIPTION	Depth of Change	DATE	MAX PID	Sample I.D.(ppm)	Comments
0				0 to 4 ft: Brown SILT and coarse to fine SAND and medium to fine GRAVEL; unsorted; moist; more compact in upper 2.5 feet (FILL MATERIAL)				0-2 Ft.: ND	
2-	33							2-4 Ft.: ND	
4				4 to 5 ft: SIMILAR SOIL; moist	5 ft.			4-6 Ft.: ND	
6-	23			5 to 5.5 ft: Grey-Tan coarse to fine SAND and fine angular GRAVEL (Crushed Limestone); moist; unsorted	5.5 ft.			6-8 Ft.: ND	
8				5.5 to 8 ft: Brown SILT, little coarse to fine Sand and fine sub-rounded Gravel, trace Clay; wet; unsorted; moderately stiff; very slightly plastic				8-10 Ft.: ND	
10-	32			8 to 9 ft: SIMILAR SOIL; wet; transitioning to green-grey Similar Soil	9 ft.			10-12 Ft.: ND	
12				9 to 12 ft: Grey to Green-Grey SILT and CLAY, trace organic material throughout; varved; wet; plastic; mottled				12-14 Ft.: ND	
14-	48			12 to 14 ft: SIMILAR SOIL; wet				14-16 Ft.: ND	
16				14 to 16 ft: Grey SILT and coarse to fine SAND, some coarse to fine sub-rounded Gravel, trace Clay (GLACIAL TILL); saturated, very dense; unsorted	14 ft.				
18-									
20									
22-									
24									

Depths noted are approx.  
ND= None Detected  
Ppm= parts-per-million

PID screening performed by headspace analysis methods with MiniRae Model 2000.



2705 New York State Route 370  
Cato, New York 13033

PROJECT: **Proposed Compassion Coalition Development Site**  
PROJECT NO.: 17701  
LOCATION: 1000-1100 Lincoln Avenue, Utica, New York

DATE STARTED 3-10-2017  
DATE COMPLETED 3-10-2017  
LOGGED BY N. Bradford  
DRILLING COMPANY Lyon Drilling Co.  
NAME OF DRILLER Harry Lyon

DRILLING METHOD Direct-Push  
RIG TYPE CME 55 w/Auto Hammer  
TOTAL DEPTH 14.5 Ft.  
GW DEPTH Approx. 7.5 Ft.  
SAMPLING METHOD Macro-Core

**BORING LOG: SE-2**

Depth In (feet)	Blow Count	RECOVERY (inches)	USGS	DESCRIPTION	Depth of Change	DATE	MAX PID	Sample I.D.(ppm)	Comments
0				0 to 0.5 ft: Dark Brown coarse to fine SAND and coarse to fine GRAVEL, brick fragments; moist (FILL MATERIAL)			0-2 Ft.: ND		
2-	28			0.5 to 0.8 ft: WOOD FRAGMENTS			2-4 Ft.: ND		
4				0.8 to 4 ft: Dark Brown to Brown SILT, some coarse to fine SAND and fine GRAVEL, trace Organic Material throughout, coal fragments; unsorted; moist (FILL MATERIAL)			4-6 Ft.: ND		
6-	35			4 to 7.5 ft: SIMILAR SOIL with brick fragments, coal and ash layer at 7 to 7.5 feet; moist; unsorted (FILL MATERIAL)	7.5 ft.		6-8 Ft.: ND		
8				7.5 to 8 ft: Brown SILT, little coarse to fine SAND and fine sub-rounded GRAVEL, trace Clay; wet; unsorted; moderately stiff; very slightly plastic			8-10 Ft.: ND		1-Inch diameter Schedule 40 PVC temporary monitoring well installed in borehole to allow collection of groundwater samples. Screen interval set at 4.5 to 14.5 feet.  Groundwater sample collected at 1330.
10-	18			8 to 12 ft: SIMILAR SOIL; wet; moderately stiff			10-12 Ft.: ND		
12				12 to 14 ft: SIMILAR SOIL; saturated			12-14 Ft.: ND		
14-	25			14 to 14.5 ft: Dark Grey SIMILAR SOIL; saturated, very dense; unsorted	14 ft.				
16				SAMPLER REFUSAL ENCOUNTERED AT 14.5 Feet.					
18-									
20									
22-									
24									

Depths noted are approx.  
ND= None Detected  
Ppm= parts-per-million

PID screening performed by headspace analysis methods with MiniRae Model 2000.



2705 New York State Route 370  
Cato, New York 13033

PROJECT: **Proposed Compassion Coalition Development Site**  
PROJECT NO.: 17701  
LOCATION: 1000-1100 Lincoln Avenue, Utica, New York

DATE STARTED	3-10-2017	DRILLING METHOD	Direct-Push	<b>BORING LOG: SE-4</b>
DATE COMPLETED	3-10-2017	RIG TYPE	CME 55 w/Auto Hammer	
LOGGED BY	N. Bradford	TOTAL DEPTH	12.0 Ft.	
DRILLING COMPANY	Lyon Drilling Co.	GW DEPTH	Approx. 5 Ft.	
NAME OF DRILLER	Harry Lyon	SAMPLING METHOD	Macro-Core	

Depth In (feet)	Blow Count	RECOVERY (inches)	USGS	DESCRIPTION	Depth of Change	DATE	MAX PID	Sample I.D.(ppm)	Comments
0				0 to 1 ft: Dark Brown SILT and coarse to fine SAND, little medium to fine GRAVEL, glass fragments; unsorted; moist (FILL MATERIAL)			0-2 Ft.: ND		1-Inch diameter Schedule 40 PVC temporary monitoring well installed in borehole to allow collection of groundwater samples. Screen interval set at 2 to 12 feet.  Groundwater sample collected at 1400.  Vapor sampling point installed in borehole advanced 5 feet from SE-4 to allow collection of soil vapor samples. Borehole advanced to 3.5 feet below grade and 8-inch stainless steel implant placed at 2.8 to 3.5 feet interval. 0.25-Inch O.D. Teflon-lined polyethylene tubing connected to implant to above grade. No. 2 silica sand placed around implant to 2 feet depth; bentonite-cement grout placed above sand filter to grade.
2-	32			1 to 4 ft: Brown coarse to fine SAND, trace medium to fine Gravel and Silt, trace Organic Material throughout, brick fragments; moist (FILL MATERIAL)			2-4 Ft.: ND		
4				4 to 5 ft: SIMILAR; moist; (FILL MATERIAL)					
6-				5 to 6 ft: Tan/Light Brown SILT and very fine SAND; saturated	5 ft.		4-6 Ft.: ND		
	46			6 to 7.2 ft: Tan/Light Brown medium to fine SAND; saturated	6 ft.		6-8 Ft.: ND		
				7.2 to 7.5 ft: Dark Grey SILT; saturated; mottled	7.2 ft.				
8-				7.5 to 8 ft: Dark Grey coarse to fine SAND, interbedded with Dark Grey SILT; saturated; well sorted	7.5 ft.		8-10 Ft.: ND		
10	44			8 to 11 ft: SIMILAR SOIL with PEAT throughout; saturated			10-12 Ft.: ND		
12-				11 to 12 ft: Dark Grey SILT with PEAT throughout; saturated	11 ft.				
14									
16-									
18									
20-									

Depths noted are approx.  
ND= None Detected  
Ppm= parts-per-million

PID screening performed by headspace analysis methods with MiniRae Model 2000.



2705 New York State Route 370  
Cato, New York 13033

PROJECT: **Proposed Compassion Coalition Development Site**  
PROJECT NO.: 17701  
LOCATION: 1000-1100 Lincoln Avenue, Utica, New York

DATE STARTED 3-10-2017  
DATE COMPLETED 3-10-2017  
LOGGED BY N. Bradford  
DRILLING COMPANY Lyon Drilling Co.  
NAME OF DRILLER Harry Lyon

DRILLING METHOD Direct-Push  
RIG TYPE CME 55 w/Auto Hammer  
TOTAL DEPTH 16.0 Ft.  
GW DEPTH Approx. 7 Ft.  
SAMPLING METHOD Macro-Core

**BORING LOG: SE-3**

Depth In (feet)	Blow Count	RECOVERY (inches)	USGS	DESCRIPTION	Depth of Change	DATE	MAX PID	Sample I.D.(ppm)	Comments
0				0 to 4 ft: Dark Brown SILT, some coarse to fine SAND and medium to fine GRAVEL, trace Organic Material throughout, concrete fragments, brick fragments, coal fragments; unsorted; moist (FILL MATERIAL)			0-2 Ft.: ND		Vapor sampling point installed in borehole advanced 4 feet from SE-3 to allow collection of soil vapor samples. Borehole advanced to 5.7 feet below grade and 8-inch stainless steel implant placed at 5 to 5.7 feet interval. 0.25-Inch O.D. Teflon-lined polyethylene tubing connected to implant to above grade. No. 2 silica sand placed around implant to 3.5 feet depth; bentonite-cement grout placed above sand filter to grade.
2-	28						2-4 Ft.: ND		
4				4 to 7.2 ft: SIMILAR SOIL; wet at approx. 7 feet; unsorted (FILL MATERIAL)			4-6 Ft.: ND		
6-	29			7.2 to 8 ft: ASH and CINDERS; wet (FILL MATERIAL)			6-8 Ft.: ND		
8				5.5 to 8 ft: Brown SILT, little coarse to fine Sand and fine sub-rounded Gravel, trace Clay; wet; unsorted; moderately stiff; very slightly plastic			8-10 Ft.: ND		
10-	35			8 to 12 ft: SIMILAR SOIL with Ash and Cinders at 10 to 10.5 feet and 11 to 12 feet, brick fragments at 11.7 to 12 feet; wet; (FILL MATERIAL)			10-12 Ft.: ND		
12				12 to 14 ft: Dark Brown to Dark Grey SILT and very fine SAND, trace fine Gravel, trace Organic Material; wet; moderately stiff	12 ft.		12-14 Ft.: ND		
14-	26			14 to 16 ft: Brown to Grey-Brown SILT, little coarse to fine Sand and fine sub-rounded Gravel, trace Clay; wet; unsorted; stiff; very slightly plastic	14 ft.		14-16 Ft.: ND		
16									
18-									
20									
22-									
24									

Depths noted are approx.  
ND= None Detected  
Ppm= parts-per-million

PID screening performed by headspace analysis methods with MiniRae Model 2000.



2705 New York State Route 370  
Cato, New York 13033

PROJECT: **Proposed Compassion Coalition Development Site**  
PROJECT NO.: 17701  
LOCATION: 1000-1100 Lincoln Avenue, Utica, New York

DATE STARTED 4-7-2017  
DATE COMPLETED 4-7-2017  
LOGGED BY N. Bradford  
DRILLING COMPANY Lyon Drilling Co.  
NAME OF DRILLER Harry Lyon

DRILLING METHOD Direct-Push  
RIG TYPE CME 55 w/Auto Hammer  
TOTAL DEPTH 16.0 Ft.  
GW DEPTH Approx. 9 Ft.  
SAMPLING METHOD Macro-Core

**BORING LOG: SE-5**

Depth In (feet)	Blow Count	RECOVERY (inches)	USGS	DESCRIPTION	Depth of Change	DATE	MAX PID	Sample I.D.(ppm)	Comments
0				0 to 4 ft: Dark Brown SILT intermixed with coarse to fine SAND, coarse to fine GRAVEL, brick fragments, ash and cinders; unsorted; moist (FILL MATERIAL)			0-2 Ft.: ND		1-Inch diameter Schedule 40 PVC temporary monitoring well installed in borehole to allow collection of groundwater samples. Screen interval set at 6 to 16 feet. Groundwater Sample collected at 1400.
2-	25						2-4 Ft.: ND		
4				4 to 6 ft: ASH and CINDERS; moist (FILL MATERIAL)			4-6 Ft.: ND		
6-	33			6 to 8 ft: Brown SILT and coarse to fine SAND, brick fragments, coal fragments, ash and cinders; moist; unsorted (FILL MATERIAL)			6-8 Ft.: 0.3		
8				8 to 9 ft: SIMILAR SOIL; moist			8-10 Ft.: 183		
10	44			9 to 10 ft: Grey-Brown SILT little coarse to fine Sand and fine Gravel, trace Clay; wet; unsorted	9 ft.		10-12 Ft.: 3.8		
12				10-12 ft: Grey-Tan SILT and CLAY; varved; saturated; moderately stiff; plastic	10 ft.		12-14 Ft.: ND		
14				12-16 ft: SIMILAR SOIL; saturated; moderately stiff			14-16 Ft.: ND		
16									
18									
20									
22									

Depths noted are approx.  
ND= None Detected  
Ppm= parts-per-million

PID screening performed by headspace analysis methods with MiniRae Model 2000.



2705 New York State Route 370  
Cato, New York 13033

PROJECT: **Proposed Compassion Coalition Development Site**  
PROJECT NO.: 17701  
LOCATION: 1000-1100 Lincoln Avenue, Utica, New York

DATE STARTED 4-7-2017  
DATE COMPLETED 4-7-2017  
LOGGED BY N. Bradford  
DRILLING COMPANY Lyon Drilling Co.  
NAME OF DRILLER Harry Lyon

DRILLING METHOD Direct-Push  
RIG TYPE CME 55 w/Auto Hammer  
TOTAL DEPTH 16.0 Ft.  
GW DEPTH Approx. 8 Ft.  
SAMPLING METHOD Macro-Core

**BORING LOG: SE-8**

Depth In (feet)	Blow Count	RECOVERY (inches)	USGS	DESCRIPTION	Depth of Change	DATE	MAX PID	Sample I.D.(ppm)	Comments
0				0 to 4 ft: Dark Brown SILT and coarse to fine Sand and coarse to fine angular Gravel, wood fragments, brick fragments, glass fragments, ash and cinders; moist, unsorted, plastic (FILL MATERIAL)			0-2 Ft.: ND		1-Inch diameter Schedule 40 PVC temporary monitoring well installed in borehole to allow collection of groundwater samples. Screen interval set at 6 to 16 feet. Groundwater Sample collected at 1555.
2-	28						2-4 Ft.: ND		
4				4 to 5.5 ft: Grey-Tan coarse to fine SAND, little Silt, brick fragments, coal fragments, ash and cinders; moist (FILL MATERIAL)			4-6 Ft.: 1.1		
6-	35			5.5 to 7.5 ft: Reddish-Brown coarse to fine SAND, trace Silt; moist (FILL MATERIAL)			6-8 Ft.: 0.8		
8				7.5 to 8 ft: Dark Brown SILT, ash and cinders, coal fragments; wet (FILL MATERIAL)			8-10 Ft.: 2.3		
10	32			8 to 12 ft: SIMILAR SOIL; saturated			10-12 Ft.: 4.6		
12							12-14 Ft.: 0.7		
14				12 to 13 ft: Dark Brown SILT, wood fragments; saturated	12 ft.		14-16 Ft.: 1.8		
16	18			13 to 16 ft: Grey SILT and CLAY, trace fine Sand; saturated	13 ft.				
18									
20									
22									

Depths noted are approx.  
ND= None Detected  
Ppm= parts-per-million

PID screening performed by headspace analysis methods with MiniRae Model 2000.



2705 New York State Route 370  
Cato, New York 13033

PROJECT: **Proposed Compassion Coalition Development Site**  
PROJECT NO.: 17701  
LOCATION: 1000-1100 Lincoln Avenue, Utica, New York

DATE STARTED 4-7-2017  
DATE COMPLETED 4-7-2017  
LOGGED BY N. Bradford  
DRILLING COMPANY Lyon Drilling Co.  
NAME OF DRILLER Harry Lyon

DRILLING METHOD Direct-Push  
RIG TYPE CME 55 w/Auto Hammer  
TOTAL DEPTH 16.0 Ft.  
GW DEPTH Approx. 9 Ft.  
SAMPLING METHOD Macro-Core

**BORING LOG: SE-6**

Depth In (feet)	Blow Count	RECOVERY (inches)	USGS	DESCRIPTION	Depth of Change	DATE	MAX PID	Sample I.D.(ppm)	Comments
0				0 to 4 ft: Dark Brown SILT, some coarse to fine SAND and medium to fine GRAVEL, trace Organic Material throughout, concrete fragments, brick fragments, coal fragments; unsorted; moist (FILL MATERIAL)			0-2 Ft.: ND		1-Inch diameter Schedule 40 PVC temporary monitoring well installed in borehole to allow collection of groundwater samples. Screen interval set at 6 to 16 feet. Groundwater Sample collected at 1445.
2-	32			4 to 7.2 ft: SIMILAR wet at approx. 7 feet; unsorted (FILL MATERIAL)			2-4 Ft.: 1.1		
4				7.2 to 8 ft: ASH and CINDERS; wet (FILL MATERIAL)			4-6 Ft.: 1.8		
6-	16			5.5 to 8 ft: Brown SILT, little coarse to fine Sand and fine sub-rounded Gravel, trace Clay; wet; unsorted; moderately stiff; very slightly plastic			6-8 Ft.: 1.8		
8				8 to 10.2 ft: Brown SILT, little coarse to fine Sand and fine Gravel, trace Clay, ash and cinders; wet; unsorted (FILL MATERIAL)	11 ft.		8-10 Ft.: 2.1		
10	43			10.2 to 11 ft: ASH and CINDERS; saturated (FILL MATERIAL)			10-12 Ft.: 112		
12				11-12 ft: Grey-Tan SILT and CLAY; varved; saturated; moderately stiff; plastic			12-14 Ft.: 12.9		
14	46			12-15 ft: SIMILAR SOIL; saturated; moderately stiff	15 ft.		14-16 Ft.: 16.4		
16				15-16 ft: SIMILAR SOIL with little coarse to fine Sand and medium to fine sub-rounded Gravel; saturated; unsorted					
18									
20									
22									

Depths noted are approx.  
ND= None Detected  
Ppm= parts-per-million

PID screening performed by headspace analysis methods with MiniRae Model 2000.



2705 New York State Route 370  
Cato, New York 13033

PROJECT: **Proposed Compassion Coalition Development Site**  
PROJECT NO.: 17701  
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DATE STARTED 4-7-2017  
DATE COMPLETED 4-7-2017  
LOGGED BY N. Bradford  
DRILLING COMPANY Lyon Drilling Co.  
NAME OF DRILLER Harry Lyon

DRILLING METHOD Direct-Push  
RIG TYPE CME 55 w/Auto Hammer  
TOTAL DEPTH 16.0 Ft.  
GW DEPTH Approx. 9 Ft.  
SAMPLING METHOD Macro-Core

**BORING LOG: SE-7**

Depth In (feet)	Blow Count	RECOVERY (inches)	USGS	DESCRIPTION	Depth of Change	DATE	MAX PID	Sample I.D.(ppm)	Comments
0				0 to 4 ft: Brown SILT and CLAY, little coarse to fine Sand and medium angular Gravel; moist, unsorted, plastic (FILL MATERIAL)			0-2 Ft.: 0.3		1-Inch diameter Schedule 40 PVC temporary monitoring well installed in borehole to allow collection of groundwater samples. Screen interval set at 6 to 16 feet. Groundwater Sample collected at 1615.
2-	18						2-4 Ft.: ND		
4				4 to 8 ft: SIMILAR SOIL with brick fragments, ash and cinders, glass fragments; moist (FILL MATERIAL)			4-6 Ft.: 2.3		
6-	35			6 to 8 ft: Brown SILT and coarse to fine SAND, brick fragments, coal fragments, ash and cinders; moist; unsorted (FILL MATERIAL)			6-8 Ft.: 24.4		
8				8 to 8.3 ft: SIMILAR SOIL; moist	8.3 ft.		8-10 Ft.: 24.2		
10	37			8.3 to 10.8 ft: Reddish-Brown SILT and coarse to fine SAND, little medium to and fine sub-rounded Gravel; wet to saturated at approximately 8.5 feet; unsorted	10.8 ft.		10-12 Ft.: 252		
12				10.8-12 ft: Grey very fine SAND; saturated			12-14 Ft.: 95.1		
14	39			12-16 ft: Tan, grading to Grey SILT and CLAY; saturated; moderately soft; plastic	12 ft.		14-16 Ft.: 78.1		
16									
18									
20									
22									

Depths noted are approx.  
ND= None Detected  
Ppm= parts-per-million

PID screening performed by headspace analysis methods with MiniRae Model 2000.

## Appendix B

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Laboratory Analysis Reports-Soil and Groundwater Samples



**SMSA Architectural Services**  
*Phase II Environmental Site Assessment Report*  
*Vacant Property/Proposed Compassion Coalition, Inc. Development Site*  
*1000-1100 Lincoln Avenue, City of Utica, Oneida County, New York*

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION,  
VERIFICATION, TESTING AND CERTIFICATION COMPANY.



*e-Hardcopy 2.0*  
*Automated Report*

### Technical Report for

#### Strategic Environmental, LLC

1000-1100 Lincoln Avenue, Utica, NY

17701

SGS Accutest Job Number: JC38905

Sampling Date: 03/10/17

#### Report to:

Strategic Environmental, LLC  
2705 New York State Route 370 PO Box 400  
Cato, NY 13033  
NBradford@StrategicEnv.com

ATTN: Nevin Bradford

Total number of pages in report: 14



Test results contained within this data package meet the requirements  
of the National Environmental Laboratory Accreditation Program  
and/or state specific certification programs as applicable.

Nancy Cole  
Laboratory Director

Client Service contact: Jeremy Vienneau 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC,  
OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (L-A-B L2248)

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Test results relate only to samples analyzed.

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### Sample Summary

Strategic Environmental, LLC

Job No: JC38905

1000-1100 Lincoln Avenue, Utica, NY  
Project No: 17701

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JC38905-1	03/10/17	13:30 NB	03/13/17	AQ	Ground Water	SE-2
JC38905-2	03/10/17	14:00 NB	03/13/17	AQ	Ground Water	S-4

# Summary of Hits

Job Number: JC38905  
Account: Strategic Environmental, LLC  
Project: 1000-1100 Lincoln Avenue, Utica, NY  
Collected: 03/10/17

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC38905-1	SE-2					
Acetone		25.3	10	5.0	ug/l	SW846 8260C
Chloroethane		6.1	1.0	0.44	ug/l	SW846 8260C
Chloromethane		9.4	1.0	0.96	ug/l	SW846 8260C
JC38905-2	S-4					
Acetone		16.5	10	5.0	ug/l	SW846 8260C
Chloroethane		1.4	1.0	0.44	ug/l	SW846 8260C
Chloromethane		2.4	1.0	0.96	ug/l	SW846 8260C

**Sample Results**

---

**Report of Analysis**

---

## Report of Analysis

Client Sample ID: SE-2	Date Sampled: 03/10/17
Lab Sample ID: JC38905-1	Date Received: 03/13/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260C	
Project: 1000-1100 Lincoln Avenue, Utica, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A177067.D	1	03/17/17	JC	n/a	n/a	V2A7497
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	25.3	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	6.1	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	9.4	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	SE-2	Date Sampled:	03/10/17
Lab Sample ID:	JC38905-1	Date Received:	03/13/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	1000-1100 Lincoln Avenue, Utica, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.58	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		76-120%
17060-07-0	1,2-Dichloroethane-D4	105%		73-122%
2037-26-5	Toluene-D8	100%		84-119%
460-00-4	4-Bromofluorobenzene	100%		78-117%

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID: S-4	Date Sampled: 03/10/17
Lab Sample ID: JC38905-2	Date Received: 03/13/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260C	
Project: 1000-1100 Lincoln Avenue, Utica, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A177068.D	1	03/17/17	JC	n/a	n/a	V2A7497
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	16.5	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	1.4	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	2.4	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	S-4	Date Sampled:	03/10/17
Lab Sample ID:	JC38905-2	Date Received:	03/13/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	1000-1100 Lincoln Avenue, Utica, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.58	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		76-120%
17060-07-0	1,2-Dichloroethane-D4	104%		73-122%
2037-26-5	Toluene-D8	99%		84-119%
460-00-4	4-Bromofluorobenzene	99%		78-117%

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Misc. Forms**

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**Custody Documents and Other Forms**

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**Includes the following where applicable:**

- Chain of Custody



## SGS Accutest Sample Receipt Summary

Job Number: JC38905

Client: \_\_\_\_\_

Project: \_\_\_\_\_

Date / Time Received: 3/13/2017 9:20:00 PM

Delivery Method: \_\_\_\_\_

Airbill #'s: \_\_\_\_\_

Cooler Temps (Raw Measured) °C: Cooler 1: (2.4);

Cooler Temps (Corrected) °C: Cooler 1: (3.8);

<u>Cooler Security</u>	<u>Y or N</u>		<u>Y or N</u>	<u>Y or N</u>	
1. Custody Seals Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. Smpl Dates/Time OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<u>Cooler Temperature</u>	<u>Y or N</u>	
1. Temp criteria achieved:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Cooler temp verification:	IR Gun	
3. Cooler media:	Ice (Bag)	
4. No. Coolers:	1	

<u>Quality Control Preservation</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

<u>Sample Integrity - Documentation</u>	<u>Y or N</u>	
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<u>Sample Integrity - Condition</u>	<u>Y or N</u>	
1. Sample recvd within HT:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Condition of sample:	Intact	

<u>Sample Integrity - Instructions</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments

SM089-02  
Rev. Date 12/1/16

JC38905: Chain of Custody

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## SGS Accutest Sample Receipt Summary

Job Number: JC38905

Client: Strategic Environmental

Project: 17701

Date / Time Received: 3/13/2017 9:20:00 PM

Delivery Method: Accutest Courier

Airbill #'s:

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

**Cooler Security**

- |  |   |
|--|---|
| 1. Custody Seals Present: <input checked="" type="checkbox"/> <input type="checkbox"/> | 3. COC Present: <input checked="" type="checkbox"/> <input type="checkbox"/>        |
| 2. Custody Seals Intact: <input checked="" type="checkbox"/> <input type="checkbox"/>  | 4. Smpl Dates/Time OK: <input checked="" type="checkbox"/> <input type="checkbox"/> |

**Cooler Temperature**

- |   |               |
|---|---------------|
| 1. Temp criteria achieved: <input checked="" type="checkbox"/> <input type="checkbox"/> | <u>Y or N</u> |
| 2. Cooler temp verification: _____  |               |
| 3. Cooler media: _____  |               |
| 4. No. Coolers: _____   | 1             |

**Quality Control Preservation**

- |                                 |                                     |           |                                     |                          |
|---------------------------------|-------------------------------------|-----------|-------------------------------------|--------------------------|
|                                 | <u>Y</u>                            | <u>or</u> | <u>N</u>                            | <u>N/A</u>               |
| 1. Trip Blank present / cooler: | <input type="checkbox"/>            |           | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC:    | <input type="checkbox"/>            |           | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Samples preserved properly:  | <input checked="" type="checkbox"/> |           | <input type="checkbox"/>            | <input type="checkbox"/> |
| 4. VOCs headspace free:         | <input checked="" type="checkbox"/> |           | <input type="checkbox"/>            | <input type="checkbox"/> |

**Sample Integrity - Documentation**

- |  |                                     |                          |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete:        | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Sample Integrity - Condition**

- |                                  |                                     |                          |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample:          | Intact                              |                          |

**Sample Integrity - Instructions**

- |  |                                     |           |                                     |                                     |
|--|-------------------------------------|-----------|-------------------------------------|-------------------------------------|
|  | <u>Y</u>                            | <u>or</u> | <u>N</u>                            | <u>N/A</u>                          |
| 1. Analysis requested is clear:            | <input checked="" type="checkbox"/> |           | <input type="checkbox"/>            |                                     |
| 2. Bottles received for unspecified tests: | <input type="checkbox"/>            |           | <input checked="" type="checkbox"/> |                                     |
| 3. Sufficient volume recvd for analysis:   | <input checked="" type="checkbox"/> |           | <input type="checkbox"/>            |                                     |
| 4. Compositing instructions clear:         | <input type="checkbox"/>            |           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear:           | <input type="checkbox"/>            |           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

Comments

1) -1,-2: Rec'd only 1 x 40ml vial, limited volume.

SM089-02  
Rev. Date 12/1/16

JC38905: Chain of Custody

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Responded to by: CSR: N/A

Response Date: Response Date: 3/14/2017

Response:

Response: Proceed with analysis

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**JC38905: Chain of Custody**  
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### Technical Report for

#### Strategic Environmental, LLC

1000-1100 Lincoln Avenue, Utica, NY

17701

SGS Accutest Job Number: JC40727

Sampling Date: 04/07/17

#### Report to:

Strategic Environmental, LLC  
2705 New York State Route 370 PO Box 400  
Cato, NY 13033  
NBradford@StrategicEnv.com

ATTN: Nevin Bradford

Total number of pages in report: 26



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole  
Laboratory Director

Client Service contact: Jeremy Vienneau 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (L-A-B L2248)

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Test results relate only to samples analyzed.

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## Sample Summary

**Strategic Environmental, LLC**

**Job No: JC40727**

**1000-1100 Lincoln Avenue, Utica, NY**

**Project No: 17701**

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JC40727-1	04/07/17	12:40 NB/JC	04/08/17	SO	Soil	SE-5, 9-10 FT.
JC40727-2	04/07/17	13:15 NB/JC	04/08/17	SO	Soil	SE-6, 11-12 FT.
JC40727-3	04/07/17	14:00 NB/JC	04/08/17	AQ	Water	SE-5
JC40727-4	04/07/17	14:45 NB/JC	04/08/17	AQ	Water	SE-6
JC40727-5	04/07/17	14:55 NB/JC	04/08/17	SO	Soil	SE-7, 11-12 FT.
JC40727-6	04/07/17	15:30 NB/JC	04/08/17	SO	Soil	SE-8, 9-10 FT.
JC40727-7	04/07/17	16:15 NB/JC	04/08/17	AQ	Water	SE-7
JC40727-8	04/07/17	15:55 NB/JC	04/08/17	AQ	Water	SE-8

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Soil samples reported on a dry weight basis unless otherwise indicated on result page.

## Summary of Hits

Job Number: JC40727  
 Account: Strategic Environmental, LLC  
 Project: 1000-1100 Lincoln Avenue, Utica, NY  
 Collected: 04/07/17

2

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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JC40727-1 SE-5, 9-10 FT.

Acetone	35.8	12	5.9	ug/kg	SW846 8260C
2-Butanone (MEK)	4.9 J	12	2.1	ug/kg	SW846 8260C
cis-1,2-Dichloroethene	5.5	1.2	0.52	ug/kg	SW846 8260C
Isopropylbenzene	9.0	2.4	0.18	ug/kg	SW846 8260C
Methylcyclohexane	41.0	2.4	0.60	ug/kg	SW846 8260C
Tetrachloroethene	1.1 J	2.4	0.33	ug/kg	SW846 8260C
Trichloroethene	1.1 J	1.2	0.22	ug/kg	SW846 8260C
Vinyl chloride	2.0 J	2.4	0.24	ug/kg	SW846 8260C

JC40727-2 SE-6, 11-12 FT.

1,2-Dichlorobenzene	3.7	1.3	0.22	ug/kg	SW846 8260C
1,4-Dichlorobenzene	0.82 J	1.3	0.19	ug/kg	SW846 8260C
1,1-Dichloroethene	1.5	1.3	0.19	ug/kg	SW846 8260C
cis-1,2-Dichloroethene	197	1.3	0.55	ug/kg	SW846 8260C
trans-1,2-Dichloroethene	4.5	1.3	0.20	ug/kg	SW846 8260C
Tetrachloroethene	38600	1500	220	ug/kg	SW846 8260C
Trichloroethene	1700	77	15	ug/kg	SW846 8260C
Vinyl chloride	10.8	2.5	0.25	ug/kg	SW846 8260C

JC40727-3 SE-5

cis-1,2-Dichloroethene	6.4	1.0	0.31	ug/l	SW846 8260C
trans-1,2-Dichloroethene	0.96 J	1.0	0.36	ug/l	SW846 8260C
Tetrachloroethene	16.1	1.0	0.23	ug/l	SW846 8260C
Trichloroethene	8.9	1.0	0.26	ug/l	SW846 8260C
Vinyl chloride	2.5	1.0	0.33	ug/l	SW846 8260C

JC40727-4 SE-6

Chlorobenzene	0.39 J	1.0	0.17	ug/l	SW846 8260C
Chloroform	0.42 J	1.0	0.23	ug/l	SW846 8260C
1,2-Dichlorobenzene	2.0	1.0	0.23	ug/l	SW846 8260C
1,4-Dichlorobenzene	0.26 J	1.0	0.21	ug/l	SW846 8260C
1,1-Dichloroethene	4.6	1.0	0.20	ug/l	SW846 8260C
cis-1,2-Dichloroethene	392	20	6.2	ug/l	SW846 8260C
trans-1,2-Dichloroethene	8.1	1.0	0.36	ug/l	SW846 8260C
1,2-Dichloropropane	1.3	1.0	0.33	ug/l	SW846 8260C
Tetrachloroethene	7320	200	47	ug/l	SW846 8260C
Trichloroethene	364	20	5.1	ug/l	SW846 8260C
Vinyl chloride	19.5	1.0	0.33	ug/l	SW846 8260C

## Summary of Hits

Job Number: JC40727  
 Account: Strategic Environmental, LLC  
 Project: 1000-1100 Lincoln Avenue, Utica, NY  
 Collected: 04/07/17

2

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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JC40727-5 SE-7, 11-12 FT.

Acetone	26.7	11	5.5	ug/kg	SW846 8260C
Carbon disulfide	0.43 J	2.2	0.19	ug/kg	SW846 8260C
Chlorobenzene	0.84 J	2.2	0.18	ug/kg	SW846 8260C
1,2-Dichlorobenzene	2.3	1.1	0.19	ug/kg	SW846 8260C
1,4-Dichlorobenzene	0.32 J	1.1	0.17	ug/kg	SW846 8260C
1,1-Dichloroethene	3.4	1.1	0.17	ug/kg	SW846 8260C
cis-1,2-Dichloroethene	2620	64	28	ug/kg	SW846 8260C
trans-1,2-Dichloroethene	26.2	1.1	0.17	ug/kg	SW846 8260C
Tetrachloroethene	11800	130	18	ug/kg	SW846 8260C
Toluene	0.19 J	1.1	0.14	ug/kg	SW846 8260C
Trichloroethene	5220	64	12	ug/kg	SW846 8260C
Vinyl chloride	31.4	2.2	0.22	ug/kg	SW846 8260C
m,p-Xylene	0.27 J	1.1	0.24	ug/kg	SW846 8260C
o-Xylene	0.28 J	1.1	0.22	ug/kg	SW846 8260C
Xylene (total)	0.55 J	1.1	0.22	ug/kg	SW846 8260C

JC40727-6 SE-8, 9-10 FT.

Acetone	8.3 J	14	6.8	ug/kg	SW846 8260C
Carbon disulfide	0.48 J	2.7	0.23	ug/kg	SW846 8260C
cis-1,2-Dichloroethene	80.9	1.4	0.60	ug/kg	SW846 8260C
trans-1,2-Dichloroethene	0.85 J	1.4	0.22	ug/kg	SW846 8260C
Tetrachloroethene	11300	170	24	ug/kg	SW846 8260C
Trichloroethene	91.7	1.4	0.26	ug/kg	SW846 8260C
Vinyl chloride	3.1	2.7	0.28	ug/kg	SW846 8260C

JC40727-7 SE-7

Chlorobenzene	6.9	1.0	0.17	ug/l	SW846 8260C
Chloroethane	0.58 J	1.0	0.44	ug/l	SW846 8260C
1,2-Dichlorobenzene	10.8	1.0	0.23	ug/l	SW846 8260C
1,4-Dichlorobenzene	2.0	1.0	0.21	ug/l	SW846 8260C
1,1-Dichloroethane	1.1	1.0	0.21	ug/l	SW846 8260C
1,1-Dichloroethene	119	1.0	0.20	ug/l	SW846 8260C
cis-1,2-Dichloroethene	13500	2500	770	ug/l	SW846 8260C
trans-1,2-Dichloroethene <sup>a</sup>	388	50	18	ug/l	SW846 8260C
1,2-Dichloropropane	54.7	1.0	0.33	ug/l	SW846 8260C
Ethylbenzene	0.55 J	1.0	0.20	ug/l	SW846 8260C
Isopropylbenzene	2.0	1.0	0.16	ug/l	SW846 8260C
Tetrachloroethene	132000	2500	580	ug/l	SW846 8260C
Toluene	1.5	1.0	0.23	ug/l	SW846 8260C
Trichloroethene	10500	2500	640	ug/l	SW846 8260C
Vinyl chloride <sup>a</sup>	1850	50	16	ug/l	SW846 8260C

## Summary of Hits

Job Number: JC40727  
Account: Strategic Environmental, LLC  
Project: 1000-1100 Lincoln Avenue, Utica, NY  
Collected: 04/07/17

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
m,p-Xylene		2.5	1.0	0.42	ug/l	SW846 8260C
o-Xylene		3.0	1.0	0.21	ug/l	SW846 8260C
Xylene (total)		5.4	1.0	0.21	ug/l	SW846 8260C
JC40727-8		SE-8				
1,1-Dichloroethene		0.93 J	1.0	0.20	ug/l	SW846 8260C
cis-1,2-Dichloroethene		245	10	3.1	ug/l	SW846 8260C
trans-1,2-Dichloroethene		2.5	1.0	0.36	ug/l	SW846 8260C
Tetrachloroethene		225	10	2.3	ug/l	SW846 8260C
Trichloroethene		268	10	2.6	ug/l	SW846 8260C
Vinyl chloride		8.7	1.0	0.33	ug/l	SW846 8260C

(a) (pH= 7)Sample pH did not satisfy field preservation criteria.

**Sample Results**

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**Report of Analysis**

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## Report of Analysis

Client Sample ID:	SE-5, 9-10 FT.	Date Sampled:	04/07/17
Lab Sample ID:	JC40727-1	Date Received:	04/08/17
Matrix:	SO - Soil	Percent Solids:	80.0
Method:	SW846 8260C SW846 5035		
Project:	1000-1100 Lincoln Avenue, Utica, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X171438.D	1	04/08/17	TP	n/a	n/a	VX7280
Run #2 <sup>a</sup>	D248653.D	1	04/10/17	TP	04/08/17 15:00	n/a	VD10048

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.3 g		
Run #2	10.0 g	10.0 ml	100 ul

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	35.8	12	5.9	ug/kg	
71-43-2	Benzene	ND	0.59	0.14	ug/kg	
74-97-5	Bromochloromethane	ND	5.9	0.38	ug/kg	
75-27-4	Bromodichloromethane	ND	2.4	0.18	ug/kg	
75-25-2	Bromoform	ND	5.9	0.31	ug/kg	
74-83-9	Bromomethane	ND	5.9	0.57	ug/kg	
78-93-3	2-Butanone (MEK)	4.9	12	2.1	ug/kg	J
75-15-0	Carbon disulfide	ND	2.4	0.20	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.4	0.20	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	0.19	ug/kg	
75-00-3	Chloroethane	ND	5.9	0.51	ug/kg	
67-66-3	Chloroform	ND	2.4	0.28	ug/kg	
74-87-3	Chloromethane	ND	5.9	0.25	ug/kg	
110-82-7	Cyclohexane	ND	2.4	0.64	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.4	0.57	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	0.18	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.29	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.20	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.16	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.18	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.9	0.64	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.22	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.20	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.18	ug/kg	
156-59-2	cis-1,2-Dichloroethene	5.5	1.2	0.52	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.19	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	0.36	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	0.23	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.26	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.18	ug/kg	
76-13-1	Freon 113	ND	5.9	0.57	ug/kg	
591-78-6	2-Hexanone	ND	5.9	1.6	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	SE-5, 9-10 FT.	Date Sampled:	04/07/17
Lab Sample ID:	JC40727-1	Date Received:	04/08/17
Matrix:	SO - Soil	Percent Solids:	80.0
Method:	SW846 8260C SW846 5035		
Project:	1000-1100 Lincoln Avenue, Utica, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	9.0	2.4	0.18	ug/kg	
79-20-9	Methyl Acetate	ND	5.9	2.4	ug/kg	
108-87-2	Methylcyclohexane	41.0	2.4	0.60	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.31	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.9	1.0	ug/kg	
75-09-2	Methylene chloride	ND	5.9	1.2	ug/kg	
100-42-5	Styrene	ND	2.4	0.17	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	0.28	ug/kg	
127-18-4	Tetrachloroethene	1.1	2.4	0.33	ug/kg	J
108-88-3	Toluene	ND	1.2	0.15	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	0.59	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	0.59	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.4	0.20	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.38	ug/kg	
79-01-6	Trichloroethene	1.1	1.2	0.22	ug/kg	J
75-69-4	Trichlorofluoromethane	ND	5.9	0.74	ug/kg	
75-01-4	Vinyl chloride	2.0	2.4	0.24	ug/kg	J
	m,p-Xylene	ND	1.2	0.26	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.24	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	105%	70-122%
17060-07-0	1,2-Dichloroethane-D4	94%	111%	68-124%
2037-26-5	Toluene-D8	164% <sup>b</sup>	97%	77-125%
460-00-4	4-Bromofluorobenzene	634% <sup>b</sup>	98%	72-130%

(a) Confirmation run.

(b) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	SE-6, 11-12 FT.	Date Sampled:	04/07/17
Lab Sample ID:	JC40727-2	Date Received:	04/08/17
Matrix:	SO - Soil	Percent Solids:	79.4
Method:	SW846 8260C SW846 5035		
Project:	1000-1100 Lincoln Avenue, Utica, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X171435.D	1	04/08/17	TP	n/a	n/a	VX7280
Run #2	D248652.D	1	04/10/17	TP	04/08/17 15:00	n/a	VD10048
Run #3	D248659.D	1	04/10/17	TP	04/08/17 15:00	n/a	VD10048

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g		
Run #2	9.9 g	10.0 ml	100 ul
Run #3	9.9 g	10.0 ml	10.0 ul

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	6.3	ug/kg	
71-43-2	Benzene	ND	0.63	0.15	ug/kg	
74-97-5	Bromochloromethane	ND	6.3	0.40	ug/kg	
75-27-4	Bromodichloromethane	ND	2.5	0.19	ug/kg	
75-25-2	Bromoform	ND	6.3	0.34	ug/kg	
74-83-9	Bromomethane	ND	6.3	0.61	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.2	ug/kg	
75-15-0	Carbon disulfide	ND	2.5	0.21	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.5	0.21	ug/kg	
108-90-7	Chlorobenzene	ND	2.5	0.20	ug/kg	
75-00-3	Chloroethane	ND	6.3	0.54	ug/kg	
67-66-3	Chloroform	ND	2.5	0.30	ug/kg	
74-87-3	Chloromethane	ND	6.3	0.27	ug/kg	
110-82-7	Cyclohexane	ND	2.5	0.69	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.61	ug/kg	
124-48-1	Dibromochloromethane	ND	2.5	0.19	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.30	ug/kg	
95-50-1	1,2-Dichlorobenzene	3.7	1.3	0.22	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.3	0.17	ug/kg	
106-46-7	1,4-Dichlorobenzene	0.82	1.3	0.19	ug/kg	J
75-71-8	Dichlorodifluoromethane	ND	6.3	0.69	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.3	0.24	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.22	ug/kg	
75-35-4	1,1-Dichloroethene	1.5	1.3	0.19	ug/kg	
156-59-2	cis-1,2-Dichloroethene	197	1.3	0.55	ug/kg	
156-60-5	trans-1,2-Dichloroethene	4.5	1.3	0.20	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.5	0.39	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.25	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.28	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.19	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	SE-6, 11-12 FT.	Date Sampled:	04/07/17
Lab Sample ID:	JC40727-2	Date Received:	04/08/17
Matrix:	SO - Soil	Percent Solids:	79.4
Method:	SW846 8260C SW846 5035		
Project:	1000-1100 Lincoln Avenue, Utica, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113	ND	6.3	0.61	ug/kg	
591-78-6	2-Hexanone	ND	6.3	1.8	ug/kg	
98-82-8	Isopropylbenzene	ND	2.5	0.19	ug/kg	
79-20-9	Methyl Acetate	ND	6.3	2.6	ug/kg	
108-87-2	Methylcyclohexane	ND	2.5	0.64	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.33	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.3	1.1	ug/kg	
75-09-2	Methylene chloride	ND	6.3	1.3	ug/kg	
100-42-5	Styrene	ND	2.5	0.18	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.30	ug/kg	
127-18-4	Tetrachloroethene	38600 <sup>a</sup>	1500	220	ug/kg	
108-88-3	Toluene	ND	1.3	0.16	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.3	0.63	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	0.63	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.21	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.5	0.41	ug/kg	
79-01-6	Trichloroethene	1700 <sup>b</sup>	77	15	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.3	0.79	ug/kg	
75-01-4	Vinyl chloride	10.8	2.5	0.25	ug/kg	
	m,p-Xylene	ND	1.3	0.28	ug/kg	
95-47-6	o-Xylene	ND	1.3	0.25	ug/kg	
1330-20-7	Xylene (total)	ND	1.3	0.25	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	102%	106%	101%	70-122%
17060-07-0	1,2-Dichloroethane-D4	95%	111%	104%	68-124%
2037-26-5	Toluene-D8	103%	100%	100%	77-125%
460-00-4	4-Bromofluorobenzene	105%	99%	103%	72-130%

(a) Result is from Run# 3

(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID: SE-5	Date Sampled: 04/07/17
Lab Sample ID: JC40727-3	Date Received: 04/08/17
Matrix: AQ - Water	Percent Solids: n/a
Method: SW846 8260C	
Project: 1000-1100 Lincoln Avenue, Utica, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B136173.D	1	04/12/17	VC	n/a	n/a	V3B6043
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	6.4	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethene	0.96	1.0	0.36	ug/l	J
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	SE-5	Date Sampled:	04/07/17
Lab Sample ID:	JC40727-3	Date Received:	04/08/17
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	1000-1100 Lincoln Avenue, Utica, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	16.1	1.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	8.9	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.58	ug/l	
75-01-4	Vinyl chloride	2.5	1.0	0.33	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		76-120%
17060-07-0	1,2-Dichloroethane-D4	105%		73-122%
2037-26-5	Toluene-D8	99%		84-119%
460-00-4	4-Bromofluorobenzene	97%		78-117%

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	SE-6	Date Sampled:	04/07/17
Lab Sample ID:	JC40727-4	Date Received:	04/08/17
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	1000-1100 Lincoln Avenue, Utica, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D78102.D	1	04/12/17	XC	n/a	n/a	V4D3377
Run #2	3B136178.D	20	04/13/17	VC	n/a	n/a	V3B6043
Run #3	3B136181.D	200	04/13/17	VC	n/a	n/a	V3B6043

Run #	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml
Run #3	5.0 ml

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	0.39	1.0	0.17	ug/l	J
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	0.42	1.0	0.23	ug/l	J
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	2.0	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	0.26	1.0	0.21	ug/l	J
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	4.6	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	392 <sup>a</sup>	20	6.2	ug/l	
156-60-5	trans-1,2-Dichloroethene	8.1	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	1.3	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound



## Report of Analysis

Client Sample ID:	SE-7, 11-12 FT.	Date Sampled:	04/07/17
Lab Sample ID:	JC40727-5	Date Received:	04/08/17
Matrix:	SO - Soil	Percent Solids:	86.4
Method:	SW846 8260C SW846 5035		
Project:	1000-1100 Lincoln Avenue, Utica, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X171436.D	1	04/08/17	TP	n/a	n/a	VX7280
Run #2	D248651.D	1	04/10/17	TP	04/08/17 15:00	n/a	VD10048

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.3 g		
Run #2	10.3 g	10.0 ml	100 ul

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	26.7	11	5.5	ug/kg	
71-43-2	Benzene	ND	0.55	0.13	ug/kg	
74-97-5	Bromochloromethane	ND	5.5	0.35	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	0.17	ug/kg	
75-25-2	Bromoform	ND	5.5	0.29	ug/kg	
74-83-9	Bromomethane	ND	5.5	0.53	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	1.9	ug/kg	
75-15-0	Carbon disulfide	0.43	2.2	0.19	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.2	0.18	ug/kg	
108-90-7	Chlorobenzene	0.84	2.2	0.18	ug/kg	J
75-00-3	Chloroethane	ND	5.5	0.47	ug/kg	
67-66-3	Chloroform	ND	2.2	0.26	ug/kg	
74-87-3	Chloromethane	ND	5.5	0.23	ug/kg	
110-82-7	Cyclohexane	ND	2.2	0.60	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.2	0.53	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	0.16	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.26	ug/kg	
95-50-1	1,2-Dichlorobenzene	2.3	1.1	0.19	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.15	ug/kg	
106-46-7	1,4-Dichlorobenzene	0.32	1.1	0.17	ug/kg	J
75-71-8	Dichlorodifluoromethane	ND	5.5	0.60	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.20	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.19	ug/kg	
75-35-4	1,1-Dichloroethene	3.4	1.1	0.17	ug/kg	
156-59-2	cis-1,2-Dichloroethene	2620 <sup>a</sup>	64	28	ug/kg	
156-60-5	trans-1,2-Dichloroethene	26.2	1.1	0.17	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	0.34	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	0.21	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	0.24	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.16	ug/kg	
76-13-1	Freon 113	ND	5.5	0.53	ug/kg	
591-78-6	2-Hexanone	ND	5.5	1.5	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	SE-7, 11-12 FT.	Date Sampled:	04/07/17
Lab Sample ID:	JC40727-5	Date Received:	04/08/17
Matrix:	SO - Soil	Percent Solids:	86.4
Method:	SW846 8260C SW846 5035		
Project:	1000-1100 Lincoln Avenue, Utica, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.2	0.17	ug/kg	
79-20-9	Methyl Acetate	ND	5.5	2.2	ug/kg	
108-87-2	Methylcyclohexane	ND	2.2	0.55	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.29	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.5	0.93	ug/kg	
75-09-2	Methylene chloride	ND	5.5	1.1	ug/kg	
100-42-5	Styrene	ND	2.2	0.16	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	0.26	ug/kg	
127-18-4	Tetrachloroethene	11800 <sup>a</sup>	130	18	ug/kg	
108-88-3	Toluene	0.19	1.1	0.14	ug/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	5.5	0.55	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.5	0.55	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	0.18	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	0.35	ug/kg	
79-01-6	Trichloroethene	5220 <sup>a</sup>	64	12	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.5	0.69	ug/kg	
75-01-4	Vinyl chloride	31.4	2.2	0.22	ug/kg	
	m,p-Xylene	0.27	1.1	0.24	ug/kg	J
95-47-6	o-Xylene	0.28	1.1	0.22	ug/kg	J
1330-20-7	Xylene (total)	0.55	1.1	0.22	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	107%	70-122%
17060-07-0	1,2-Dichloroethane-D4	96%	111%	68-124%
2037-26-5	Toluene-D8	101%	101%	77-125%
460-00-4	4-Bromofluorobenzene	106%	98%	72-130%

(a) Result is from Run# 2

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	SE-8, 9-10 FT.	Date Sampled:	04/07/17
Lab Sample ID:	JC40727-6	Date Received:	04/08/17
Matrix:	SO - Soil	Percent Solids:	73.0
Method:	SW846 8260C SW846 5035		
Project:	1000-1100 Lincoln Avenue, Utica, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X171437.D	1	04/08/17	TP	n/a	n/a	VX7280
Run #2	D248650.D	1	04/10/17	TP	04/08/17 15:00	n/a	VD10048

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g		
Run #2	10.0 g	10.0 ml	100 ul

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.3	14	6.8	ug/kg	J
71-43-2	Benzene	ND	0.68	0.16	ug/kg	
74-97-5	Bromochloromethane	ND	6.8	0.44	ug/kg	
75-27-4	Bromodichloromethane	ND	2.7	0.21	ug/kg	
75-25-2	Bromoform	ND	6.8	0.36	ug/kg	
74-83-9	Bromomethane	ND	6.8	0.66	ug/kg	
78-93-3	2-Butanone (MEK)	ND	14	2.4	ug/kg	
75-15-0	Carbon disulfide	0.48	2.7	0.23	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.7	0.23	ug/kg	
108-90-7	Chlorobenzene	ND	2.7	0.22	ug/kg	
75-00-3	Chloroethane	ND	6.8	0.59	ug/kg	
67-66-3	Chloroform	ND	2.7	0.33	ug/kg	
74-87-3	Chloromethane	ND	6.8	0.29	ug/kg	
110-82-7	Cyclohexane	ND	2.7	0.75	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.7	0.66	ug/kg	
124-48-1	Dibromochloromethane	ND	2.7	0.21	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.4	0.33	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.4	0.23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.4	0.19	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.4	0.21	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.8	0.75	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.4	0.26	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.23	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.4	0.21	ug/kg	
156-59-2	cis-1,2-Dichloroethene	80.9	1.4	0.60	ug/kg	
156-60-5	trans-1,2-Dichloroethene	0.85	1.4	0.22	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	2.7	0.42	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.7	0.27	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.7	0.30	ug/kg	
100-41-4	Ethylbenzene	ND	1.4	0.20	ug/kg	
76-13-1	Freon 113	ND	6.8	0.66	ug/kg	
591-78-6	2-Hexanone	ND	6.8	1.9	ug/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	SE-8, 9-10 FT.	Date Sampled:	04/07/17
Lab Sample ID:	JC40727-6	Date Received:	04/08/17
Matrix:	SO - Soil	Percent Solids:	73.0
Method:	SW846 8260C SW846 5035		
Project:	1000-1100 Lincoln Avenue, Utica, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.7	0.21	ug/kg	
79-20-9	Methyl Acetate	ND	6.8	2.8	ug/kg	
108-87-2	Methylcyclohexane	ND	2.7	0.69	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.4	0.36	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.8	1.2	ug/kg	
75-09-2	Methylene chloride	ND	6.8	1.4	ug/kg	
100-42-5	Styrene	ND	2.7	0.20	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.7	0.33	ug/kg	
127-18-4	Tetrachloroethene	11300 <sup>a</sup>	170	24	ug/kg	
108-88-3	Toluene	ND	1.4	0.17	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.8	0.68	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.8	0.68	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.7	0.23	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.7	0.44	ug/kg	
79-01-6	Trichloroethene	91.7	1.4	0.26	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.8	0.86	ug/kg	
75-01-4	Vinyl chloride	3.1	2.7	0.28	ug/kg	
	m,p-Xylene	ND	1.4	0.30	ug/kg	
95-47-6	o-Xylene	ND	1.4	0.28	ug/kg	
1330-20-7	Xylene (total)	ND	1.4	0.28	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%	105%	70-122%
17060-07-0	1,2-Dichloroethane-D4	94%	109%	68-124%
2037-26-5	Toluene-D8	103%	100%	77-125%
460-00-4	4-Bromofluorobenzene	104%	100%	72-130%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	SE-7	Date Sampled:	04/07/17
Lab Sample ID:	JC40727-7	Date Received:	04/08/17
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	1000-1100 Lincoln Avenue, Utica, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D78105.D	1	04/12/17	XC	n/a	n/a	V4D3377
Run #2 <sup>a</sup>	3B136176.D	50	04/13/17	VC	n/a	n/a	V3B6043
Run #3	3B136195.D	2500	04/13/17	VC	n/a	n/a	V3B6044

Run #	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml
Run #3	5.0 ml

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	6.9	1.0	0.17	ug/l	
75-00-3	Chloroethane	0.58	1.0	0.44	ug/l	J
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	10.8	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	2.0	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	1.1	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	119	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	13500 <sup>b</sup>	2500	770	ug/l	
156-60-5	trans-1,2-Dichloroethene	388 <sup>c</sup>	50	18	ug/l	
78-87-5	1,2-Dichloropropane	54.7	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	0.55	1.0	0.20	ug/l	J

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	SE-7	Date Sampled:	04/07/17
Lab Sample ID:	JC40727-7	Date Received:	04/08/17
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	1000-1100 Lincoln Avenue, Utica, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
76-13-1	Freon 113 <sup>d</sup>	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	
98-82-8	Isopropylbenzene	2.0	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	132000 <sup>b</sup>	2500	580	ug/l	
108-88-3	Toluene	1.5	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	10500 <sup>b</sup>	2500	640	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.58	ug/l	
75-01-4	Vinyl chloride	1850 <sup>c</sup>	50	16	ug/l	
	m,p-Xylene	2.5	1.0	0.42	ug/l	
95-47-6	o-Xylene	3.0	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	5.4	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	104%	104%	105%	76-120%
17060-07-0	1,2-Dichloroethane-D4	107%	105%	109%	73-122%
2037-26-5	Toluene-D8	94%	102%	98%	84-119%
460-00-4	4-Bromofluorobenzene	102%	96%	97%	78-117%

(a) (pH= 7)Sample pH did not satisfy field preservation criteria.

(b) Result is from Run# 3

(c) Result is from Run# 2

(d) This compound in BS is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	SE-8	Date Sampled:	04/07/17
Lab Sample ID:	JC40727-8	Date Received:	04/08/17
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	1000-1100 Lincoln Avenue, Utica, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B136174.D	1	04/12/17	VC	n/a	n/a	V3B6043
Run #2	3B136175.D	10	04/13/17	VC	n/a	n/a	V3B6043

Run #	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	0.93	1.0	0.20	ug/l	J
156-59-2	cis-1,2-Dichloroethene	245 <sup>a</sup>	10	3.1	ug/l	
156-60-5	trans-1,2-Dichloroethene	2.5	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	SE-8	Date Sampled:	04/07/17
Lab Sample ID:	JC40727-8	Date Received:	04/08/17
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	1000-1100 Lincoln Avenue, Utica, NY		

## VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	225 <sup>a</sup>	10	2.3	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	268 <sup>a</sup>	10	2.6	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.58	ug/l	
75-01-4	Vinyl chloride	8.7	1.0	0.33	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	106%	76-120%
17060-07-0	1,2-Dichloroethane-D4	106%	104%	73-122%
2037-26-5	Toluene-D8	99%	98%	84-119%
460-00-4	4-Bromofluorobenzene	95%	95%	78-117%

(a) Result is from Run# 2

ND = Not detected      MDL = Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Misc. Forms**

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**Custody Documents and Other Forms**

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**Includes the following where applicable:**

- Chain of Custody

SO WW

6780 9741 7269

JC40727

Sample Custody Record

	Project Location: <u>1600-1100 LINCOLN AVENUE, U7CA, NEW YORK</u>	2705 New York State Route 370
	SE Project Number: <u>17701</u>	P.O. Box 400
	SE Contact Person: <u>NEVIN BRADFORD</u>	Cato, New York 13033
		Telephone: (315) 635-8936

Laboratory: SES/ACCUTEST      Email Reports to: hbradford@strategicenv.com  
 Project: \_\_\_\_\_      Invoice to: same

Page 1 of 1

Laboratory Identification	Date	Collection Time	Sample Location	Number of Containers	Comp or Grab	Preservatives	Sample Matrix	ETA BELO TEL	Analyses				Notes/Comments
1	4/7/17	1240	SE-5, 9-10 FT.	1	GRAB	4°C	SOIL	X					
2		1315	SE-6, 11-12 FT.	1	GRAB	4°C	SOIL	X					
3		1400	SE-5	2	GRAB	4°C/1HCl	WATER	X					
4		1445	SE-6	2	GRAB	4°C/1HCl	WATER	X					
5		1455	SE-7 11-12 FT.	1	GRAB SOIL	4°C	SOIL	X					
6		1530	SE-8, 9-10 FT.	1	GRAB SOIL	4°C	SOIL	X					
7		1615	SE-7	2	GRAB	4°C/1:1HCl	WATER	X					
8		1555	SE-8	2	GRAB	4°C/1:1HCl	WATER	X					

414  
14M2  
492

Sample Custody <b>SAMPLE COLLECTION</b> Name: <u>H. NEVIN BRADFORD</u> Signature: <u>[Signature]</u> Sample TAT: <u>24 hours</u>	Sample Custody <b>RELINQUISH SAMPLE CUSTODY</b> Name: <u>H. NEVIN BRADFORD</u> Signature: <u>[Signature]</u> Name: _____ Signature: _____	Sample Custody <b>ACCEPT AND RECEIVE SAMPLE CUSTODY</b> Name: <u>Jacob Church</u> Signature: <u>[Signature]</u> Laboratory: _____ Signature: _____
	Time: <u>1758</u> Date: <u>4/7/17</u> Time: _____ Date: _____	Time: <u>17:58</u> Date: <u>4/7/17</u> Time: _____ Date: _____

Rel: Jacob Church      Rec: [Signature]      Rel: FX      Rec: [Signature]      INITIAL ASSESSMENT 2/23/08  
 LABEL VERIFICATION [Signature]      on ice

JC40727: Chain of Custody

Page 1 of 2

## SGS Accutest Sample Receipt Summary

Job Number: JC40727

Client: \_\_\_\_\_

Project: \_\_\_\_\_

Date / Time Received: 4/8/2017 2:06:00 AM

Delivery Method: \_\_\_\_\_

Airbill #'s: \_\_\_\_\_

Cooler Temps (Raw Measured) °C: Cooler 1: (2.6);

Cooler Temps (Corrected) °C: Cooler 1: (4.0);

<u>Cooler Security</u>	<u>Y or N</u>		<u>Y or N</u>	
1. Custody Seals Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/> <input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. Smpl Dates/Time OK	<input checked="" type="checkbox"/> <input type="checkbox"/>

<u>Cooler Temperature</u>	<u>Y or N</u>	
1. Temp criteria achieved:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Cooler temp verification:	<u>IR Gun</u>	
3. Cooler media:	<u>Ice (Bag)</u>	
4. No. Coolers:	<u>1</u>	

<u>Quality Control Preservation</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

<u>Sample Integrity - Documentation</u>	<u>Y or N</u>	
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<u>Sample Integrity - Condition</u>	<u>Y or N</u>	
1. Sample recvd within HT:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Condition of sample:	<u>Intact</u>	

<u>Sample Integrity - Instructions</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments

SM089-02  
Rev. Date 12/1/16

JC40727: Chain of Custody

Page 2 of 2

4.1  
4

## Appendix C

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Laboratory Analysis Reports-Soil Vapor Samples



**SMSA Architectural Services**  
*Phase II Environmental Site Assessment Report*  
*Vacant Property/Proposed Compassion Coalition, Inc. Development Site*  
*1000-1100 Lincoln Avenue, City of Utica, Oneida County, New York*



# CEN TEK LABORATORIES, LLC

143 Midler Park Drive \* Syracuse, NY 13206  
Phone (315) 431-9730 \* Emergency 24/7 (315) 416-2752  
NYSDOH ELAP Certificate No. 11830

## **Analytical Report**

Nevin Bradford  
Strategic Environmental, LLC  
2705 NYS Route 370  
Cato

Thursday, March 16, 2017  
Order No.: C1703040

TEL: (315) 635-8936  
FAX (315) 635 - 2380  
RE: 1000-1100 Lincoln Ave, Utica NY

Dear Nevin Bradford:

Centek Laboratories, LLC received 2 sample(s) on 3/13/2017 for the analyses presented in the following report.

I certify that this data package is in compliance with the terms and conditions of the Contract, both technically and for completeness. Release of the data contained in this hardcopy data package and/or in the computer readable data submitted has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Centek Laboratories performs all analyses according to EPA, NIOSH or OSHA-approved analytical methods. Centek Laboratories is dedicated to providing quality analyses and exceptional customer service. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objective except as indicated in the case narrative. All samples were received and analyzed within the EPA recommended holding times. Test results are not Method Blank (MB) corrected for contamination.

We do our best to make our reporting format clear and understandable and hope you are thoroughly satisfied with our services. Please contact your client service representative at (315) 431-9730 or myself, if you would like any additional information regarding this report.

Thank you for using Centek Laboratories. This report can not be reproduced except in its entirety, without prior written authorization.

Sincerely,

William Dobbins  
Lead Technical Director

Disclaimer: The test results and procedures utilized, and laboratory interpretations of the data obtained by Centek as contained in this report are believed by Centek to be accurate and reliable

for sample(s) tested. In accepting this report, the customer agrees that the full extent of any and all liability for actual and consequential damages of Centek for the services performed shall be equal to the fee charged to the customer for the services as liquidated damages. ELAP does not offer certification for the following parameters by this method at present time, they are: 4-ethyltoluene, ethyl acetate, propylene, tetrahydrofuran, 4-PCH, sulfur derived and silicon series compounds.

## Centek Laboratories, LLC Terms and Conditions

### Sample Submission

All samples sent to Centek Laboratories should be accompanied by our Request for Analysis Form or Chain of Custody Form. A Chain of Custody will be provided with each order shipped for all sampling events, or if needed, one is available at our website [www.CentekLabs.com](http://www.CentekLabs.com). Samples received after 3:00pm are considered to be a part of the next day's business.

### Sample Media

Samples can be collected in an canister or a Tedlar bag. Depending on your analytical needs, Centek Laboratories may receive a bulk, liquid, soil or other matrix sample for headspace analysis.

### Blanks

Every sample is run with a surrogate or tracer compound at a pre-established concentration. The surrogate compound run with each sample is used as a standard to measure the performance of each run of the instrument. If required, a Minican can be provided containing nitrogen to be run as a trip blank with your samples.

### Sampling Equipment

Centek Laboratories will be happy to provide the canisters to carry-out your sampling event at no charge. The necessary accessories, such as regulators, tubing or personal sampling belts, are also provided to meet your sampling needs. The customer is responsible for all shipping charges to the client's destination and return shipping to the laboratory. Client assumes all responsibility for lost, stolen and any damages of equipment.

### Turn Around time (TAT)

Centek Laboratories will provide results to its clients in one business-week by 6:00pm EST after receipt of samples. For example, if samples are received on a Monday they are due on the following Monday by 6:00pm EST. Results are faxed or emailed to the requested location indicated on the Chain of Custody. Non-routine analysis may require more than the one business-week turnaround time. Please confirm non-routine sample turnaround times.

### Reporting

Results are emailed or faxed at no additional charge. A hard copy of the result report is mailed within 24 hours of the faxing or emailing of your results. Cat "B" like packages are within 3-4 weeks from time of analysis. Standard Electronic Disk Deliverables (EDD) is also available at no additional charge.

### Payment Terms

Payment for all purchases shall be due within 30 days from date of invoice. The client agrees to pay a finance charge of 1.5% per month on the overdue balance and cost of collection, including attorney fees, if collection proceedings are necessary. You must have a completed credit

application on file to extend credit. Purchase orders or checks information must be submitted for us to release results

#### Rush Turnaround Samples

Expedited turn around times is available. Please confirm rush turnaround times with Client Services before submitting samples.

Applicable Surcharges for Rush Turnaround Samples:

Same day TAT = 200%

Next business day TAT by Noon = 150%

Next business day TAT by 6:00pm = 100%

Second business day TAT by 6:00pm = 75%

Third business day TAT by 6:00pm = 50%

Fourth business day TAT by 6:00pm = 35%

Fifth business day = Standard

#### Statement of Confidentiality

Centek Laboratories, LLC is aware of the importance of the confidentiality of results to many of our clients. Your name and data will be held in the strictest of confidence. We will not accept business that may constitute a conflict of interest. We commonly sign Confidential Nondisclosure Agreements with clients prior to beginning work. All research, results and reports will be kept strictly confidential. Secrecy Agreements and Disclosure Statements will be signed for the client if so specified. Results will be provided only to the addressee specified on the Chain of Custody Form submitted with the samples unless law requires release. Written permission is required from the addressee to release results to any other party.

#### Limitation on Liability

Centek Laboratories, LLC warrants the test results to be accurate to the methodology and sample type for each sample submitted to Centek Laboratories, LLC. In no event shall Centek Laboratories, LLC be liable for direct, indirect, special, punitive, incidental, exemplary or consequential damages, or any damages whatsoever, even if Centek Laboratories, LLC has been previously advised of the possibility of such damages whether in an action under contract, negligence, or any other theory, arising out of or in connection with the use, inability to use or performance of the information, services, products and materials available from the laboratory or this site. These limitations shall apply notwithstanding any failure of essential purpose of any limited remedy. Because some jurisdictions do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of liability for consequential or incidental damages, the above limitations may not apply to you. This is a comprehensive limitation of liability that applies to all damages of any kind, including (without limitation) compensatory, direct, indirect or consequential damages, loss of data, income or profit and or loss of or damage to property and claims of third parties.



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**CLIENT:** Strategic Environmental, LLC  
**Project:** 1000-1100 Lincoln Ave, Utica NY  
**Lab Order:** C1703040

**CASE NARRATIVE**

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Samples were analyzed using the methods outlined in the following references:

Centek Laboratories, LLC SOP TS-80  
Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objective except as indicated in the corrective action report(s). All samples were received and analyzed within the EPA recommended holding times. Test results are not Method Blank (MB) corrected for contamination.

**NYSDEC ASP samples:**

Canisters should be evacuated to a reading of less than or equal to 50 millitorr prior to shipment to sampling personnel. The vacuum in the canister will be field checked prior to sampling, and must read 28" of Hg ( $\pm 2$ ", vacuum, absolute) before a sample can be collected. After the sample has been collected, the pressure of the canister will be read and recorded again, and must be 5" of Hg ( $\pm 1$ ", vacuum, absolute) for the sample to be valid. Once received at the laboratory, the canister vacuum should be confirmed to be 5" of Hg,  $\pm 1$ ". Please record and report the pressure/vacuum of received canisters on the sample receipt paperwork. A pressure/vacuum reading should also be taken just prior to the withdrawal of sample from the canister, and recorded on the sample preparation log sheet. All regulators are calibrated to meet these requirements before they leave the laboratory. However, due to environmental conditions and use of the equipment Centek can not guarantee that this criteria can always be achieved.





CENTEK LABORATORIES, LLC

Sample Receipt Checklist

Client Name: STRATEGIC ENVIRO

Date and Time Received

3/13/2017

Work Order Number C1703040

Received by: RJP

Checklist completed by [Signature] 3/13/17 Date

Reviewed by [Signature] 3/13/17 Date

Matrix: Carrier name: Drop Off

- Shipping container/cooler in good condition? Yes [checked] No [ ] Not Present [ ]
Custody seals intact on shipping container/cooler? Yes [ ] No [ ] Not Present [checked]
Custody seals intact on sample bottles? Yes [ ] No [ ] Not Present [checked]
Chain of custody present? Yes [checked] No [ ]
Chain of custody signed when relinquished and received? Yes [checked] No [ ]
Chain of custody agrees with sample labels? Yes [checked] No [ ]
Samples in proper container/bottle? Yes [checked] No [ ]
Sample containers intact? Yes [checked] No [ ]
Sufficient sample volume for indicated test? Yes [checked] No [ ]
All samples received within holding time? Yes [checked] No [ ]
Container/Temp Blank temperature in compliance? Yes [checked] No [ ]
Water - VOA vials have zero headspace? Yes [checked] No VOA vials submitted [checked] Yes [ ] No [ ]
Water - pH acceptable upon receipt? Yes [checked] No [ ]

Adjusted? \_\_\_\_\_ Checked by \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section be

Client contacted: \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding: \_\_\_\_\_

Comments: \_\_\_\_\_

Corrective Action \_\_\_\_\_



Date: 21-Mar-17

CLIENT: Strategic Environmental, LLC  
Project: 1000-1100 Lincoln Ave, Utica NY  
Lab Order: C1703040

### Work Order Sample Summary

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Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
C1703040-001A	SE-3	285	3/13/2017	3/13/2017
C1703040-002A	SE-4	106	3/13/2017	3/13/2017



**Centek Laboratories, LLC**

Date: 16-Mar-17

**CLIENT:** Strategic Environmental, LLC  
**Lab Order:** C1703040  
**Project:** 1000-1100 Lincoln Ave, Utica NY  
**Lab ID:** C1703040-001A

**Client Sample ID:** SE-3  
**Tag Number:** 285  
**Collection Date:** 3/13/2017  
**Matrix:** AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
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**FIELD PARAMETERS**

**FLD**

Analyst:

Lab Vacuum In	-3			"Hg		3/13/2017
Lab Vacuum Out	-30			"Hg		3/13/2017

**1UG/M3 BY METHOD TO15**

**TO-15**

Analyst: RJP

1,1,1-Trichloroethane	0.30	0.15		ppbV	1	3/15/2017 2:00:00 AM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
1,1-Dichloroethene	4.8	1.5		ppbV	10	3/15/2017 6:22:00 AM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
1,2,4-Trimethylbenzene	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
1,3-butadiene	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
1,4-Dioxane	< 0.30	0.30		ppbV	1	3/15/2017 2:00:00 AM
2,2,4-trimethylpentane	1.4	0.15		ppbV	1	3/15/2017 2:00:00 AM
4-ethyltoluene	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
Acetone	390	73		ppbV	243	3/15/2017 3:14:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
Benzene	3.5	1.5		ppbV	10	3/15/2017 6:22:00 AM
Benzyl chloride	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
Bromodichloromethane	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
Bromoform	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
Bromomethane	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
Carbon disulfide	0.17	0.15		ppbV	1	3/15/2017 2:00:00 AM
Carbon tetrachloride	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
Chlorobenzene	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
Chloroethane	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
Chloroform	1.1	0.15		ppbV	1	3/15/2017 2:00:00 AM
Chloromethane	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
cis-1,2-Dichloroethene	33	6.0		ppbV	40	3/15/2017 6:59:00 AM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
Cyclohexane	1.9	1.5		ppbV	10	3/15/2017 6:22:00 AM
Dibromochloromethane	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
Ethyl acetate	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM

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

# Centek Laboratories, LLC

Date: 16-Mar-17

**CLIENT:** Strategic Environmental, LLC  
**Lab Order:** C1703040  
**Project:** 1000-1100 Lincoln Ave, Utica NY  
**Lab ID:** C1703040-001A

**Client Sample ID:** SE-3  
**Tag Number:** 285  
**Collection Date:** 3/13/2017  
**Matrix:** AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
<b>1UG/M3 BY METHOD TO15</b>		<b>TO-15</b>		Analyst: <b>RJP</b>		
Ethylbenzene	1.5	1.5		ppbV	10	3/15/2017 6:22:00 AM
Freon 11	8.2	1.5		ppbV	10	3/15/2017 6:22:00 AM
Freon 113	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
Freon 114	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
Freon 12	0.66	0.15		ppbV	1	3/15/2017 2:00:00 AM
Heptane	2.8	1.5		ppbV	10	3/15/2017 6:22:00 AM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
Hexane	3.9	1.5		ppbV	10	3/15/2017 6:22:00 AM
Isopropyl alcohol	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
m&p-Xylene	3.4	3.0		ppbV	10	3/15/2017 6:22:00 AM
Methyl Butyl Ketone	13	3.0		ppbV	10	3/15/2017 6:22:00 AM
Methyl Ethyl Ketone	14	12		ppbV	40	3/15/2017 6:59:00 AM
Methyl Isobutyl Ketone	4.5	3.0		ppbV	10	3/15/2017 6:22:00 AM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
Methylene chloride	0.12	0.15	J	ppbV	1	3/15/2017 2:00:00 AM
o-Xylene	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
Propylene	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
Styrene	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
Tetrachloroethylene	4300	360		ppbV	2430	3/15/2017 3:51:00 PM
Tetrahydrofuran	2.0	0.15		ppbV	1	3/15/2017 2:00:00 AM
Toluene	15	1.5		ppbV	10	3/15/2017 6:22:00 AM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
Trichloroethene	59	6.0		ppbV	40	3/15/2017 6:59:00 AM
Vinyl acetate	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
Vinyl Bromide	< 0.15	0.15		ppbV	1	3/15/2017 2:00:00 AM
Vinyl chloride	0.13	0.15	J	ppbV	1	3/15/2017 2:00:00 AM
Surr: Bromofluorobenzene	1100	70-130	S	%REC	1	3/15/2017 2:00:00 AM

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

**Centek Laboratories, LLC**

Date: 16-Mar-17

**CLIENT:** Strategic Environmental, LLC  
**Lab Order:** C1703040  
**Project:** 1000-1100 Lincoln Ave, Utica NY  
**Lab ID:** C1703040-002A

**Client Sample ID:** SE-4  
**Tag Number:** 106  
**Collection Date:** 3/13/2017  
**Matrix:** AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
<b>FIELD PARAMETERS</b>			<b>FLD</b>		Analyst:	
Lab Vacuum In	-2			"Hg		3/13/2017
Lab Vacuum Out	-30			"Hg		3/13/2017
<b>1UG/M3 BY METHOD TO15</b>			<b>TO-15</b>		Analyst: RJP	
1,1,1-Trichloroethane	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
1,1,2,2-Tetrachloroethane	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
1,1,2-Trichloroethane	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
1,1-Dichloroethane	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
1,1-Dichloroethene	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
1,2,4-Trichlorobenzene	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
1,2,4-Trimethylbenzene	0.30	0.15		ppbV	1	3/15/2017 2:40:00 AM
1,2-Dibromoethane	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
1,2-Dichlorobenzene	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
1,2-Dichloroethane	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
1,2-Dichloropropane	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
1,3,5-Trimethylbenzene	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
1,3-butadiene	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
1,3-Dichlorobenzene	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
1,4-Dichlorobenzene	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
1,4-Dioxane	< 0.30	0.30		ppbV	1	3/15/2017 2:40:00 AM
2,2,4-trimethylpentane	1.3	0.15		ppbV	1	3/15/2017 2:40:00 AM
4-ethyltoluene	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
Acetone	490	81		ppbV	270	3/15/2017 4:28:00 PM
Allyl chloride	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
Benzene	0.96	0.15		ppbV	1	3/15/2017 2:40:00 AM
Benzyl chloride	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
Bromodichloromethane	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
Bromoform	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
Bromomethane	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
Carbon disulfide	0.55	0.15		ppbV	1	3/15/2017 2:40:00 AM
Carbon tetrachloride	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
Chlorobenzene	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
Chloroethane	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
Chloroform	0.12	0.15	J	ppbV	1	3/15/2017 2:40:00 AM
Chloromethane	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
cis-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
cis-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
Cyclohexane	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
Dibromochloromethane	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
Ethyl acetate	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM

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

**Centek Laboratories, LLC**

Date: 16-Mar-17

**CLIENT:** Strategic Environmental, LLC  
**Lab Order:** C1703040  
**Project:** 1000-1100 Lincoln Ave, Utica NY  
**Lab ID:** C1703040-002A

**Client Sample ID:** SE-4  
**Tag Number:** 106  
**Collection Date:** 3/13/2017  
**Matrix:** AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
<b>1UG/M3 BY METHOD TO15</b>		<b>TO-15</b>		Analyst: RJP		
Ethylbenzene	0.76	0.15		ppbV	1	3/15/2017 2:40:00 AM
Freon 11	0.44	0.15		ppbV	1	3/15/2017 2:40:00 AM
Freon 113	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
Freon 114	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
Freon 12	0.39	0.15		ppbV	1	3/15/2017 2:40:00 AM
Heptane	1.5	0.15		ppbV	1	3/15/2017 2:40:00 AM
Hexachloro-1,3-butadiene	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
Hexane	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
Isopropyl alcohol	3.3	1.5		ppbV	10	3/15/2017 7:36:00 AM
m&p-Xylene	2.4	0.30		ppbV	1	3/15/2017 2:40:00 AM
Methyl Butyl Ketone	15	3.0		ppbV	10	3/15/2017 7:36:00 AM
Methyl Ethyl Ketone	32	12		ppbV	40	3/15/2017 8:14:00 AM
Methyl Isobutyl Ketone	6.3	3.0		ppbV	10	3/15/2017 7:36:00 AM
Methyl tert-butyl ether	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
Methylene chloride	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
o-Xylene	0.84	0.15		ppbV	1	3/15/2017 2:40:00 AM
Propylene	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
Styrene	0.18	0.15		ppbV	1	3/15/2017 2:40:00 AM
Tetrachloroethylene	15	1.5		ppbV	10	3/15/2017 7:36:00 AM
Tetrahydrofuran	2.0	1.5		ppbV	10	3/15/2017 7:36:00 AM
Toluene	7.1	1.5		ppbV	10	3/15/2017 7:36:00 AM
trans-1,2-Dichloroethene	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
trans-1,3-Dichloropropene	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
Trichloroethene	0.24	0.15		ppbV	1	3/15/2017 2:40:00 AM
Vinyl acetate	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
Vinyl Bromide	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
Vinyl chloride	< 0.15	0.15		ppbV	1	3/15/2017 2:40:00 AM
Surr: Bromofluorobenzene	108	70-130		%REC	1	3/15/2017 2:40:00 AM

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

**Centek Laboratories, LLC**

Date: 16-Mar-17

**CLIENT:** Strategic Environmental, LLC  
**Lab Order:** C1703040  
**Project:** 1000-1100 Lincoln Ave, Utica NY  
**Lab ID:** C1703040-001A

**Client Sample ID:** SE-3  
**Tag Number:** 285  
**Collection Date:** 3/13/2017  
**Matrix:** AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
<b>1UG/M3 BY METHOD TO15</b>		<b>TO-15</b>		Analyst: <b>RJP</b>		
1,1,1-Trichloroethane	1.6	0.82		ug/m3	1	3/15/2017 2:00:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/15/2017 2:00:00 AM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	3/15/2017 2:00:00 AM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	3/15/2017 2:00:00 AM
1,1-Dichloroethene	19	5.9		ug/m3	10	3/15/2017 6:22:00 AM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	3/15/2017 2:00:00 AM
1,2,4-Trimethylbenzene	< 0.74	0.74		ug/m3	1	3/15/2017 2:00:00 AM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	3/15/2017 2:00:00 AM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	3/15/2017 2:00:00 AM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	3/15/2017 2:00:00 AM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	3/15/2017 2:00:00 AM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	3/15/2017 2:00:00 AM
1,3-butadiene	< 0.33	0.33		ug/m3	1	3/15/2017 2:00:00 AM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	3/15/2017 2:00:00 AM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	3/15/2017 2:00:00 AM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	3/15/2017 2:00:00 AM
2,2,4-trimethylpentane	6.6	0.70		ug/m3	1	3/15/2017 2:00:00 AM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	3/15/2017 2:00:00 AM
Acetone	930	170		ug/m3	243	3/15/2017 3:14:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	3/15/2017 2:00:00 AM
Benzene	11	4.8		ug/m3	10	3/15/2017 6:22:00 AM
Benzyl chloride	< 0.86	0.86		ug/m3	1	3/15/2017 2:00:00 AM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	3/15/2017 2:00:00 AM
Bromoform	< 1.6	1.6		ug/m3	1	3/15/2017 2:00:00 AM
Bromomethane	< 0.58	0.58		ug/m3	1	3/15/2017 2:00:00 AM
Carbon disulfide	0.53	0.47		ug/m3	1	3/15/2017 2:00:00 AM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	3/15/2017 2:00:00 AM
Chlorobenzene	< 0.69	0.69		ug/m3	1	3/15/2017 2:00:00 AM
Chloroethane	< 0.40	0.40		ug/m3	1	3/15/2017 2:00:00 AM
Chloroform	5.5	0.73		ug/m3	1	3/15/2017 2:00:00 AM
Chloromethane	< 0.31	0.31		ug/m3	1	3/15/2017 2:00:00 AM
cis-1,2-Dichloroethene	130	24		ug/m3	40	3/15/2017 6:59:00 AM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	3/15/2017 2:00:00 AM
Cyclohexane	6.5	5.2		ug/m3	10	3/15/2017 6:22:00 AM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	3/15/2017 2:00:00 AM
Ethyl acetate	< 0.54	0.54		ug/m3	1	3/15/2017 2:00:00 AM
Ethylbenzene	6.5	6.5		ug/m3	10	3/15/2017 6:22:00 AM
Freon 11	46	8.4		ug/m3	10	3/15/2017 6:22:00 AM
Freon 113	< 1.1	1.1		ug/m3	1	3/15/2017 2:00:00 AM
Freon 114	< 1.0	1.0		ug/m3	1	3/15/2017 2:00:00 AM

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

**Centek Laboratories, LLC**

Date: 16-Mar-17

**CLIENT:** Strategic Environmental, LLC  
**Lab Order:** C1703040  
**Project:** 1000-1100 Lincoln Ave, Utica NY  
**Lab ID:** C1703040-001A

**Client Sample ID:** SE-3  
**Tag Number:** 285  
**Collection Date:** 3/13/2017  
**Matrix:** AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
<b>1UG/M3 BY METHOD TO15</b>		<b>TO-15</b>		Analyst: <b>RJP</b>		
Freon 12	3.3	0.74		ug/m3	1	3/15/2017 2:00:00 AM
Heptane	11	6.1		ug/m3	10	3/15/2017 6:22:00 AM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	3/15/2017 2:00:00 AM
Hexane	14	5.3		ug/m3	10	3/15/2017 6:22:00 AM
Isopropyl alcohol	< 0.37	0.37		ug/m3	1	3/15/2017 2:00:00 AM
m&p-Xylene	15	13		ug/m3	10	3/15/2017 6:22:00 AM
Methyl Butyl Ketone	52	12		ug/m3	10	3/15/2017 6:22:00 AM
Methyl Ethyl Ketone	40	35		ug/m3	40	3/15/2017 6:59:00 AM
Methyl Isobutyl Ketone	18	12		ug/m3	10	3/15/2017 6:22:00 AM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	3/15/2017 2:00:00 AM
Methylene chloride	0.42	0.52	J	ug/m3	1	3/15/2017 2:00:00 AM
o-Xylene	< 0.65	0.65		ug/m3	1	3/15/2017 2:00:00 AM
Propylene	< 0.26	0.26		ug/m3	1	3/15/2017 2:00:00 AM
Styrene	< 0.64	0.64		ug/m3	1	3/15/2017 2:00:00 AM
Tetrachloroethylene	29000	2400		ug/m3	2430	3/15/2017 3:51:00 PM
Tetrahydrofuran	5.8	0.44		ug/m3	1	3/15/2017 2:00:00 AM
Toluene	57	5.7		ug/m3	10	3/15/2017 6:22:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/15/2017 2:00:00 AM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	3/15/2017 2:00:00 AM
Trichloroethene	320	32		ug/m3	40	3/15/2017 6:59:00 AM
Vinyl acetate	< 0.53	0.53		ug/m3	1	3/15/2017 2:00:00 AM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	3/15/2017 2:00:00 AM
Vinyl chloride	0.33	0.38	J	ug/m3	1	3/15/2017 2:00:00 AM

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

# Centek Laboratories, LLC

Date: 16-Mar-17

**CLIENT:** Strategic Environmental, LLC  
**Lab Order:** C1703040  
**Project:** 1000-1100 Lincoln Ave, Utica NY  
**Lab ID:** C1703040-002A

**Client Sample ID:** SE-4  
**Tag Number:** 106  
**Collection Date:** 3/13/2017  
**Matrix:** AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
<b>1UG/M3 BY METHOD TO15</b>		<b>TO-15</b>		Analyst: <b>RJP</b>		
1,1,1-Trichloroethane	< 0.82	0.82		ug/m3	1	3/15/2017 2:40:00 AM
1,1,2,2-Tetrachloroethane	< 1.0	1.0		ug/m3	1	3/15/2017 2:40:00 AM
1,1,2-Trichloroethane	< 0.82	0.82		ug/m3	1	3/15/2017 2:40:00 AM
1,1-Dichloroethane	< 0.61	0.61		ug/m3	1	3/15/2017 2:40:00 AM
1,1-Dichloroethene	< 0.59	0.59		ug/m3	1	3/15/2017 2:40:00 AM
1,2,4-Trichlorobenzene	< 1.1	1.1		ug/m3	1	3/15/2017 2:40:00 AM
1,2,4-Trimethylbenzene	1.5	0.74		ug/m3	1	3/15/2017 2:40:00 AM
1,2-Dibromoethane	< 1.2	1.2		ug/m3	1	3/15/2017 2:40:00 AM
1,2-Dichlorobenzene	< 0.90	0.90		ug/m3	1	3/15/2017 2:40:00 AM
1,2-Dichloroethane	< 0.61	0.61		ug/m3	1	3/15/2017 2:40:00 AM
1,2-Dichloropropane	< 0.69	0.69		ug/m3	1	3/15/2017 2:40:00 AM
1,3,5-Trimethylbenzene	< 0.74	0.74		ug/m3	1	3/15/2017 2:40:00 AM
1,3-butadiene	< 0.33	0.33		ug/m3	1	3/15/2017 2:40:00 AM
1,3-Dichlorobenzene	< 0.90	0.90		ug/m3	1	3/15/2017 2:40:00 AM
1,4-Dichlorobenzene	< 0.90	0.90		ug/m3	1	3/15/2017 2:40:00 AM
1,4-Dioxane	< 1.1	1.1		ug/m3	1	3/15/2017 2:40:00 AM
2,2,4-trimethylpentane	5.9	0.70		ug/m3	1	3/15/2017 2:40:00 AM
4-ethyltoluene	< 0.74	0.74		ug/m3	1	3/15/2017 2:40:00 AM
Acetone	1200	190		ug/m3	270	3/15/2017 4:28:00 PM
Allyl chloride	< 0.47	0.47		ug/m3	1	3/15/2017 2:40:00 AM
Benzene	3.1	0.48		ug/m3	1	3/15/2017 2:40:00 AM
Benzyl chloride	< 0.86	0.86		ug/m3	1	3/15/2017 2:40:00 AM
Bromodichloromethane	< 1.0	1.0		ug/m3	1	3/15/2017 2:40:00 AM
Bromoform	< 1.6	1.6		ug/m3	1	3/15/2017 2:40:00 AM
Bromomethane	< 0.58	0.58		ug/m3	1	3/15/2017 2:40:00 AM
Carbon disulfide	1.7	0.47		ug/m3	1	3/15/2017 2:40:00 AM
Carbon tetrachloride	< 0.94	0.94		ug/m3	1	3/15/2017 2:40:00 AM
Chlorobenzene	< 0.69	0.69		ug/m3	1	3/15/2017 2:40:00 AM
Chloroethane	< 0.40	0.40		ug/m3	1	3/15/2017 2:40:00 AM
Chloroform	0.59	0.73	J	ug/m3	1	3/15/2017 2:40:00 AM
Chloromethane	< 0.31	0.31		ug/m3	1	3/15/2017 2:40:00 AM
cis-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/15/2017 2:40:00 AM
cis-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	3/15/2017 2:40:00 AM
Cyclohexane	< 0.52	0.52		ug/m3	1	3/15/2017 2:40:00 AM
Dibromochloromethane	< 1.3	1.3		ug/m3	1	3/15/2017 2:40:00 AM
Ethyl acetate	< 0.54	0.54		ug/m3	1	3/15/2017 2:40:00 AM
Ethylbenzene	3.3	0.65		ug/m3	1	3/15/2017 2:40:00 AM
Freon 11	2.5	0.84		ug/m3	1	3/15/2017 2:40:00 AM
Freon 113	< 1.1	1.1		ug/m3	1	3/15/2017 2:40:00 AM
Freon 114	< 1.0	1.0		ug/m3	1	3/15/2017 2:40:00 AM

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

# Centek Laboratories, LLC

Date: 16-Mar-17

**CLIENT:** Strategic Environmental, LLC  
**Lab Order:** C1703040  
**Project:** 1000-1100 Lincoln Ave, Utica NY  
**Lab ID:** C1703040-002A

**Client Sample ID:** SE-4  
**Tag Number:** 106  
**Collection Date:** 3/13/2017  
**Matrix:** AIR

Analyses	Result	**Limit	Qual	Units	DF	Date Analyzed
<b>1UG/M3 BY METHOD TO15</b>		<b>TO-15</b>		Analyst: RJP		
Freon 12	1.9	0.74		ug/m3	1	3/15/2017 2:40:00 AM
Heptane	6.0	0.61		ug/m3	1	3/15/2017 2:40:00 AM
Hexachloro-1,3-butadiene	< 1.6	1.6		ug/m3	1	3/15/2017 2:40:00 AM
Hexane	< 0.53	0.53		ug/m3	1	3/15/2017 2:40:00 AM
Isopropyl alcohol	8.1	3.7		ug/m3	10	3/15/2017 7:36:00 AM
m&p-Xylene	10	1.3		ug/m3	1	3/15/2017 2:40:00 AM
Methyl Butyl Ketone	61	12		ug/m3	10	3/15/2017 7:36:00 AM
Methyl Ethyl Ketone	96	35		ug/m3	40	3/15/2017 8:14:00 AM
Methyl Isobutyl Ketone	26	12		ug/m3	10	3/15/2017 7:36:00 AM
Methyl tert-butyl ether	< 0.54	0.54		ug/m3	1	3/15/2017 2:40:00 AM
Methylene chloride	< 0.52	0.52		ug/m3	1	3/15/2017 2:40:00 AM
o-Xylene	3.6	0.65		ug/m3	1	3/15/2017 2:40:00 AM
Propylene	< 0.26	0.26		ug/m3	1	3/15/2017 2:40:00 AM
Styrene	0.77	0.64		ug/m3	1	3/15/2017 2:40:00 AM
Tetrachloroethylene	100	10		ug/m3	10	3/15/2017 7:36:00 AM
Tetrahydrofuran	5.9	4.4		ug/m3	10	3/15/2017 7:36:00 AM
Toluene	27	5.7		ug/m3	10	3/15/2017 7:36:00 AM
trans-1,2-Dichloroethene	< 0.59	0.59		ug/m3	1	3/15/2017 2:40:00 AM
trans-1,3-Dichloropropene	< 0.68	0.68		ug/m3	1	3/15/2017 2:40:00 AM
Trichloroethene	1.3	0.81		ug/m3	1	3/15/2017 2:40:00 AM
Vinyl acetate	< 0.53	0.53		ug/m3	1	3/15/2017 2:40:00 AM
Vinyl Bromide	< 0.66	0.66		ug/m3	1	3/15/2017 2:40:00 AM
Vinyl chloride	< 0.38	0.38		ug/m3	1	3/15/2017 2:40:00 AM

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