



February 7, 2017

Morton Village Realty Co, Inc.
% Mr. John-Patrick Curran
Sive, Paget & Riesel, P.C.
460 Park Avenue
New York, New York 10022

Re: Remedial Investigation Summary Letter Report
Morton Village Shopping Center
1022 Old Country Road
Plainview, New York

Dear Mr. Curran:

Roux Associates, Inc. (Roux Associates) has prepared this Remedial Investigation Summary Letter Report (Letter Report) to document the results of the Remedial Investigation (RI) for the Morton Village Shopping Center located at 998-1064 Old Country Road, Plainview, Nassau County, New York, 11803 (Site). The Site location map is provided as Figure 1. The focus of the RI was the subsurface characterization of the former Morton Village Cleaners, a/k/a Classic French Cleaners, (former Cleaners) tenant space (1022 Old Country Road – currently occupied by a Subway restaurant) and on an area (asphalt parking lot) immediately north and south of the former Cleaners tenant space. The former Cleaners tenant space and parking lot area are collectively referred to as, Area of Concern 1 (AOC-1). The Site is currently listed in the Registry of Inactive Hazardous Waste Disposal Sites in New York State as Site Number 130201 with a Classification “2” pursuant to Environmental Conservation Law (ECL) 27-1305.

All RI activities were completed in accordance with New York State Department of Environmental Conservation (NYSDEC) DER-10 Technical Guidance for Site Investigation and Remediation (May 2010) and the NYSDEC approved Remedial Investigation Work Plan (RIWP) dated September 15, 2015.

Site Background and History

The Site is occupied by Morton Village Shopping Center, which consists of four buildings situated on four adjacent lots (Lots 10, 86, 88 and 89). The onsite buildings are currently occupied by various professional businesses, retail stores, restaurants and a grocery store. The property is bordered by Knowles Street to the north, Old Country Road to the south, Lester Place to the east and Rex Place to the west. Based on the Environmental Site Assessment Phase I report prepared by Leggette Brashears & Graham (LBG) dated February 2009, a Gas Station historically occupied the property (Section 12, Block 555, Lot 6) adjacent to the southeast corner of the Site.

Previous investigations (soil, groundwater, and vapor sampling) performed at the Site from 2006 to 2011 identified petroleum-related compounds and chlorinated volatile organic compounds (CVOCs) in the soil and soil vapor and CVOCs in groundwater in the vicinity of AOC-1. The petroleum-related compounds were identified to be associated with a former underground storage tank (UST) that was located and removed during site characterization work in 2007 conducted by LBG. According to previous investigators, operations at the former Cleaners have resulted in contamination of the soil around a sump located at the northern edge of the Site building within the basement of the former Cleaners, as well as the groundwater in the vicinity of the former Cleaners. Prior to the 1970s, there were cesspools and leaching fields installed throughout the Site. The Site's sanitary system was not connected to the Municipal sanitary sewer line until the 1970s.

In accordance with NYSDEC requirements, the objectives of the RI were to:

- Evaluate soil, groundwater and soil vapor quality associated with AOC-1;
- Evaluate the potential for impacts from the suspected historical septic system that was associated with the former Cleaners; and
- Delineate the nature and extent of previously-documented CVOC impacts to soil and groundwater.

RI Field Work

In accordance with the RIWP, RI activities were completed in a phased approach (i.e., Phase A and Phase B) in March through April 2016 and November 2016, respectively. Field activities completed during the RI included the following:

Phase A

- Installation and sampling of four sub-slab soil vapor sample points (SV-1 through SV-4) and collection of two indoor air samples (IA-1 and IA-2) within the former Cleaners;
- Completion of a geophysical survey;
- Installation of nine soil borings (RSB-1 through RSB-9) along with the collection and analysis of 10 discrete soil samples; and
- Collection of one groundwater grab sample.

Phase B

- Installation, gauging and sampling of one upgradient groundwater monitoring well (RMW-1), and gauging and sampling of two existing (MW-1 and MW-3) groundwater monitoring wells;
- Installation and sampling of five soil vapor monitoring points; and

- Surveying of all soil boring, groundwater monitoring well and soil vapor monitoring points locations, including top of well casing elevations of the newly installed/existing groundwater monitoring wells.

Phase A Field Work

Sub-Slab Soil Vapor/Indoor Air Sampling

On March 21, 2016, four sub-slab soil vapor points (i.e., soil vapor pins) were installed in the basement of the former Cleaners. The soil vapor pins were installed approximately one-inch below the basement concrete slab using a hammer drill. Following soil vapor point installations, a tracer gas test was performed at each location using helium gas and a MGD-2002 Helium Detector to ensure the pins were properly sealed. The approximate location of the sub-slab sample locations is provided on Figure 2.

On March, 22, 2016, four sub-slab soil vapor samples (sub-slab) and two indoor air samples (one from the basement and one from the first floor) were collected at the Site. All sub-slab soil vapor and indoor air samples were collected with a Summa canister over an eight-hour period, using a laboratory supplied regulator. All sub-slab and indoor air samples were sent to Alpha Analytical (Alpha) of Westborough, Massachusetts, a National Environmental Laboratory Approval Program (NELAP) accredited-laboratory and analyzed for VOCs via United States Environmental Protection Agency (USEPA) Method TO-15.

Geophysical Survey

On April 11, 2016, a geophysical survey was conducted at the Site to identify historical sanitary systems (i.e., cesspools) and underground utility lines (i.e., septic, sewer, water, electric, gas, etc.). The geophysical survey utilized electromagnetic resonance and ground penetrating radar (GPR) technology. The geophysical survey was performed in the back and front parking lot of the shopping plaza, behind and in front the building that includes the former Cleaners (AOC-1), currently a Subway restaurant.

Soil / Groundwater Grab Sampling

On April 12, 2016 through April 19, 2016, nine soil borings (RSB-1 through RSB-9) were installed at the Site. Each soil boring was hand cleared to five feet below land surface (ft bls) using hand tools and a vacuum excavator to identify any potential subsurface utilities. No subsurface utilities were encountered during hand clearing activities. All utility clearing/soil boring activities were conducted by Aquifer Drilling and Testing, Inc., (ADT) of Mineola, New York. Following utility clearance activities, the soil borings were advanced using a Geoprobe® drill rig. For all borings, soil lithology was recorded according to the Unified Soils Classification System (USCS).

Soil samples were collected continuously in five-foot intervals, and were visually inspected and screened for organic vapors with a photoionization detector (PID) to the assumed bottom depth of the historical sanitary system (approximately 30 ft bls) for soil borings RSB-1 through RSB-6 and RSB-9. As per NYSDEC request, soil samples were collected continuously at RSB-7 to two feet below the assumed former UST bottom excavation depth

of 7 ft bls. Soil samples were collected continuously to 40 ft bls at RSB-8. Since there was no evidence of impacts during field soil screening activities, soil samples were collected from the bottom two-foot interval at each soil boring location (i.e., 28-30 ft bls at RSB-1 through RSB-6 and RSB-9, 7-9 ft bls at RSB-7, and 38-40 ft bls at RSB-8).

All soil samples were collected in appropriate laboratory-provided containers, labeled, and transported under chain of custody procedures to Alpha, in ice-filled coolers and analyzed for VOCs using USEPA Method 8260. Laboratory analytical reports are provided in Attachment 1.

Based on the NYSDEC July 24, 2015 comment letter, the NYSDEC requested a groundwater grab sample be collected in the vicinity of previously installed soil boring B-1. However, existing monitoring well, MW-1, was located adjacent to B-1. The groundwater grab sample location was revised, in consultation with the NYSDEC, to the vicinity of previously installed soil boring SB-3/GW-3, to confirm current groundwater quality at this location. On April 19, 2016, a groundwater grab sample (Grab-1) was collected at a depth of approximately 80 ft bls (i.e., depth to water) adjacent to previously installed soil boring SB-3/GW-3.

The groundwater grab sample was collected in appropriate laboratory-provided containers, labeled, and transported under chain of custody procedures to Alpha, in ice-filled cooler and analyzed for VOCs using USEPA Method 8260. Laboratory analytical reports are provided in Attachment 1.

Phase B Field Work

The Phase B field work was completed on October 31, 2016 through November 11, 2016, following the evaluation of Phase A sample data. The locations of the soil vapor sample points and the upgradient monitoring well were discussed with and approved by the NYSDEC prior to installation.

Soil Vapor Point Installation/Sampling

On October 31, 2016, five outdoor soil vapor monitoring points (SV-5 through SV-9) were installed at the Site. Subsequently, SV-7 was reinstalled, in the same location, on November 3, 2016, due to a clog in the sample tubing. All soil vapor monitoring points were installed by hand to approximately eight ft bls using hand tools and vacuum excavator. No subsurface utilities were encountered during soil vapor monitoring point installations. Soil vapor sample locations are shown on Figure 2.

On November 3, 2016, soil vapor samples were collected from SV-5, SV-6, SV-8, and SV-9; SV-7 was sampled on November 4, 2016. All soil vapor samples were collected with a Summa canister over a two-hour period, using a laboratory supplied regulator. All soil vapor samples were sent to Alpha and analyzed for VOCs via USEPA Method TO-15.

Groundwater Monitoring Well Installation/Sampling

On November 2 and 3, 2016, upgradient groundwater monitoring well, RMW-1, was installed at the Site. All RMW-1 installation activities were conducted by ADT. Prior to well installation, RMW-1 location was hand cleared to five ft bls using hand tools and vacuum excavator to identify any potential subsurface utilities. No subsurface utilities were encountered during hand clearing activities. RMW-1 location is shown on Figure 2.

Following utility clearance activities, continuous soil samples were collected using a hollow stem auger (HSA) rig to approximately 85 ft bls. Soil was inspected for evidence of contamination (staining or odors) and screened for organic vapors using a PID. Soil lithology was recorded according to the USCS. Following soil screening activities, RMW-1 was installed and constructed of ten feet of two-inch diameter, 10-slot Schedule 40 polyvinyl chloride (PVC) screen installed at 85 ft bls. A filter pack consisting of #2 Morie Sand was placed around the screen and up to two feet above the top of the screened interval followed by a two-foot layer of bentonite pellets. The bentonite pellets were hydrate before filling the remainder of the well annulus with bentonite grout using the tremie method. RMW-1 was completed with a flush-mounted manhole protective curb box installed at grade.

Following installation, RMW-1 was developed with a submersible pump to ensure proper hydraulic connection with the aquifer and to reduce/eliminate turbidity.

On November 11, 2016, water-level measurements and groundwater samples were collected from newly installed well, RMW-1, and existing wells, MW-1 and MW-3. Water-level data was used to interpret the groundwater flow direction across the Site. Groundwater samples were collected in accordance with USEPA Low Flow Groundwater Sampling Procedures. Groundwater samples were sent to Alpha and analyzed for VOCs via USEPA Method 8260.

During groundwater sampling activities, all soil boring, monitoring well and soil vapor point locations were surveyed by Mega Engineering and Land Surveying of Queens Village, New York for latitudinal and longitudinal coordinates and ground surface elevations; top of well casing elevations were surveyed on existing monitoring wells, MW-1 and MW-3 and newly installed monitoring well, RMW-1. Elevations were recorded in feet relative to the North American Vertical Datum of 1988 (NAVD88).

Phase A Sub-Slab/Indoor Air and Phase B Soil Vapor Sample Results

A summary of the sub-slab/indoor air and soil vapor sample results are provided in Table 1. A total of nine VOCs were detected in sub-slab samples including: acetone, chloroform, cis-1,2-dichloroethylene, cyclohexane, ethanol, isopropanol, m,p-xylene, tetrachloroethylene (PCE), toluene, and trichloroethylene (TCE). A total of 14 VOCs were detected in indoor air including: acetone, carbon tetrachloride, chloromethane, cis-1,2-dichloroethylene, dichlorodifluoromethane, ethanol, ethyl acetate, isopropanol, methyl ethyl ketone (2-Butanone), methylene chloride, PCE, TCE, toluene and trichlorofluoromethane. Multiple petroleum-related VOCs including: benzene, toluene,

ethylbenzene and xylene and seven CVOCs including: PCE, TCE, cis-1,2-dichloroethylene, 1,4-dichlorobenzene, chloroform, dichlorodifluoromethane, and trichlorofluoromethane were detected in soil vapor.

During indoor air sampling activities, Subway restaurant (former Cleaners) workers were observed using Super San sanitizer in the vicinity of sample A1_First Floor. Based on the Super San Safety Data Sheet, ethanol, which was detected in sub-slab and indoor air samples, is one of the main ingredients in Super San sanitizer at a concentration of up to 5%.

The indoor air detections of carbon tetrachloride, chloromethane, dichlorodifluoromethane, trichlorofluoromethane, and methylene chloride do not appear to be from sub-slab or soil vapor since these compounds were not detected in any of the sub-slab samples and half of these compounds were not detected in the soil vapor samples (see Table 1 below).

Below is a summary of CVOC only concentrations detected in sub-slab soil vapor, indoor air and soil vapor samples:

Table 1. CVOC Concentrations

Compound	Sub-Slab Concentrations ($\mu\text{g}/\text{m}^3$)	Indoor Air Concentrations ($\mu\text{g}/\text{m}^3$)	Soil Vapor Concentrations ($\mu\text{g}/\text{m}^3$)
PCE	1,170 (SV-4) to 18,800 (SV-1)	0.719 (IA-2_Main Floor) to 24.8 (IA-1_Basement)	4.32 (SV-5) to 30,700 (SV-7)
TCE	59.1 (SV-3) to 1,280 (SV-1)	0.79 (IA-1_Basement)	5.75 (SV-8) to 2,600 (SV-7)
Cis-1,2-dichloroethylene	11.4 (SV-3) to 603 (SV-1)	0.329 (IA-1_Basement)	2.94 (SV-5) to 1,130 (SV-7)
Chloroform	2.68 (SV-3) to 3.57 (SV-4)	ND	0.982 (SV-9) to 3.59 (SV-5)
Carbon Tetrachloride	ND	0.434 (IA-2_Main Floor) to 0.459 (IA-1_Basement)	ND
Chloromethane	ND	1.22 (IA-1_Basement) to 1.29 (IA-2_Main Floor)	ND
Dichlorodifluoromethane	ND	2.40 (IA-2_Main Floor) to 2.56 (IA-1_Basement)	1.62 (SV-5) to 2.03 (SV-9)
Trichlorofluoromethane	ND	1.25 (IA-2_Main Floor) to 1.29 (IA-1_Basement)	ND (SV-7/SV-8) to 1.47 (SV-9)
Methylene Chloride	ND	3.82 (IA-2_Main Floor) to 14 (IA-1_Basement DUP)	ND
1,4-dichlorobenzene	ND	ND	ND (SV-7) to 3.31 (SV-8 DUP)

$\mu\text{g}/\text{m}^3$ – Micrograms per cubic meter

ND – Not Detected

DUP – Duplicate sample

The highest concentration of PCE (30,700 $\mu\text{g}/\text{m}^3$) in soil vapor was detected in the soil vapor sample collected from SV-7. SV-7 was located in the parking lot, behind the former Cleaners, adjacent to the retail space currently occupied by a Dance Studio (see Figure 2). The concentration of PCE detected at SV-7 suggests that prior remedial efforts may have missed a pocket of CVOC contamination in the vicinity of this location.

Based on New York State Department of Health (NYSDOH) Sub-Slab/Indoor Air Matrices provided in the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York dated October 2006, the PCE and TCE concentrations detected in sub-slab and indoor air samples, summarized above, will require mitigation.

Geophysical Survey Results

On April 11, 2016, a geophysical survey was conducted at the Site to identify historical sanitary systems and underground utility lines. The geophysical survey report is provided in Attachment 2. Based on the results of the geophysical survey, sewer, water, electric, gas utilities were detected in the subsurface at the Site, which corresponded to public utility mark outs (one call) observed prior to conducting the geophysical survey. Also, three connected circular anomalies, believed to be related to the historical septic system, were detected approximately two ft bls in the parking lot behind the former Cleaners. Four soil borings (RSB-1, RSB-2, RSB-3 and RSB-9) were completed in the vicinity of these circular anomalies to evaluate soil quality conditions at these locations. Existing monitoring well, MW-3, was located during the geophysical survey however, MW-2 could not be located.

Soil Sample Results

No staining or other overt evidence of impact were visually observed during the collection of the soil samples. Additionally, relatively low VOCs readings, potentially background readings, were detected with the PID during headspace screening; PID VOC readings ranged from 0.0 parts per million (ppm) to 7.0 ppm.

The soil analytical results are summarized on Table 2 (attached). Soil sample data were compared to NYSDEC Part 375 Unrestricted Use soil cleanup objectives (UUSCO), Protection of Groundwater SCOs (PGWSCOs) and Commercial Use SCOs (CUSCOs). Based on the analytical data, three VOCs (acetone, PCE, methyl ethyl ketone) were detected in soil however, these compounds were not detected above UUSCO, PGWSCOs or CUSCOs in any of the soil samples collected during this RI. Although not exceeding UUSCOs, PGWSCOs and CUSCOs, PCE was detected in the soil samples collected from RSB-4, RSB-5, RSB-6 and RSB-8 at depths of approximately 30 ft bls or greater.

Groundwater Results

Based on water-level elevation data collected from newly installed monitoring well, RMW-1 and existing wells, MW-1 and MW-3 on November 11, 2016, groundwater appears to be flowing in a southerly direction across the Site. The inferred groundwater flow direction is illustrated on Figure 3.

Groundwater samples were collected from, RMW-1, existing wells MW-1 and MW-3, and grab sample, Grab-1 (adjacent to previously installed SB-3/GW-3). Groundwater analytical data is provided in Table 3. The groundwater results were compared to the NYSDEC Ambient Water-Quality Standards and Guidance Values (AWQSGVs).

Based on the analytical results, PCE, TCE, and cis-1,2-dichloroethylene were detected at concentrations exceeding NYSDEC AWQSGVs of 5 micrograms per liter ($\mu\text{g/L}$), respectively, as described below.

- PCE was detected at a concentration of 15 $\mu\text{g/L}$ (MW-3), 34 $\mu\text{g/L}$ (MW-1) and 83 $\mu\text{g/L}$ (Grab-1).
- TCE was detected at a concentration of 8.6 $\mu\text{g/L}$ (MW-1) and 19 $\mu\text{g/L}$ (Grab -1).
- Cis-1,2-dichloroethylene was detected at a concentration of 21 $\mu\text{g/L}$ (MW-1) and 70 $\mu\text{g/L}$ (Grab-1).

Based on a comparison of the existing monitoring wells (MW-1 and MW-3) historical (2007) and current (2016) PCE, TCE and Cis-1,2-dichloroethylene groundwater sample results, PCE, TCE and Cis-1,2-dichloroethylene concentrations are trending downward, indicative of natural attenuation (see Table 2 below).

Table 2. CVOC Results Comparison

Compound	MW-1 2007 / 2016 Results ($\mu\text{g/L}$)	MW-3 2007 / 2016 Results ($\mu\text{g/L}$)
PCE	120 / 34	93 / 15
TCE	16 / 8.6	9.4 / 1.6
Cis-1,2-dichloroethylene	23 / 21	7.4 / 1.4

PCE was the only VOC detected in the groundwater sample collected from newly installed monitoring well, RMW-1, at a concentration of 0.53 $\mu\text{g/L}$, which is below the NYSDEC AWQSGVs of 5 $\mu\text{g/L}$. Based on the groundwater flow direction (southerly) across the Site, the PCE detection in RMW-1 appears to be from an off-Site source.

Conclusions/Recommendations

In summary, the data generated during the RI suggest the following:

- Multiple CVOCs including: PCE, TCE and cis-1,2-dichloroethylene were detected in sub-slab, indoor air and soil vapor samples. CVOC concentrations in sub-slab samples suggest that the source of the CVOCs in the area of the Site building may be beneath the former Cleaner's basement concrete slab. Based on the NYSDOH Soil Vapor/Indoor Air Matrices, the PCE and TCE concentrations detected in sub-slab samples will require mitigation.

- The geophysical survey identified three subsurface circular anomalies that may be related to the historical septic system. However, VOCs were not detected above UUSCOs, PGWSCOs, or CUSCOs in any of the soil samples, including soil samples collected in the vicinity of the subsurface circular anomalies. No source area for CVOC impacts to sub-slab/indoor air, soil vapor and groundwater was identified during the RI.
- Based on the soil analytical results, there were no VOCs detected above laboratory reporting limits from the soil sample (RSB-7 [7-9]) collected adjacent to the former UST excavation.
- PCE was detected in soil samples, RSB-4 (28-30), RSB-5 (28-20), RSB-6 (28-30) and RSB-8 (38-40) however, there were no detections above UUSCOs, PGSCOs, or CUSCOs. PCE was not detected in the soil samples collected from soil boring (RSB-1 through RSB-3 and RSB-9) completed in the vicinity if the subsurface circular anomalies.
- Based on the groundwater elevation data collected from RMW-1, MW-1, and MW-3, groundwater appears to be flowing in a southerly direction across the Site.
- PCE, TCE, and cis-1,2-dichloroethylene were detected at concentrations exceeding NYSDEC AWQSGVs in groundwater samples collected from existing wells MW-1 and MW-3 and from the groundwater grab sample (Grab-1) collected adjacent to previously installed soil boring SB-3/GW-3. Based on a comparison of 2007 and 2016 groundwater sample results, PCE, TCE, and cis-1,2-dichloroethylene are trending downward, indicative of natural attenuation. PCE was not detected above NYSDEC AWQSGV from the sample collected at newly installed monitoring well, RMW-1.

Based on the PCE detections in sub-slab/indoor air, soil vapor and groundwater samples, Roux Associates recommends conducting an additional focused soil investigation beneath the basement concrete slab of the former Cleaners, including in the vicinity of the former sump, and in the vicinity of SV-7 to identify the source of sub-slab, soil vapor and groundwater CVOC impacts.

Also, based on preliminary discussions with NYSDEC regarding the CVOC concentrations detected in sub-slab/indoor air samples within the former Cleaners, the collection of additional sub-slab and indoor air samples will be required in the adjacent retail stores, during the heating season (i.e., November through March), to evaluate the potential for CVOC vapor impacts to these offsite receptors.

Following review and discussion of the results documented in this letter report, we will prepare an additional RI investigation scope of work for your review and approval.

John-Patrick Curran

February 7, 2017

Page 10

Following the completion of additional RI work described above, a full RI Report and Feasibility Study will be prepared and submitted to the NYSDEC under separate cover.

Sincerely,

ROUX ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read "Jeff Wills".

Jeff Wills

Senior Hydrogeologist

A handwritten signature in black ink, appearing to read "Joseph Duminuco".

Joseph Duminuco

Principal Hydrogeologist/

Vice President

Attachments

Remedial Investigation Summary Report
Morton Village Shopping Center, Plainview, New York

TABLES

1. Summary of Volatile Organic Compounds in Soil
2. Summary of Volatile Organic Compounds in Groundwater
3. Summary of Volatile Organic Compounds in Soil Vapor,
Indoor Air and Sub-Slab Soil Vapor

Table 1. Summary of Volatile Organic Compounds in Soil, Morton Village Shopping Center, 1022 Old Country Road, Plainview, New York

					Sample Designation:	RSB-1	RSB-1	RSB-2	RSB-3
					Sample Date:	4/14/2016	4/14/2016	4/14/2016	4/14/2016
					Sample Depth (ft bls):	28 - 30	28 - 30	28 - 30	28 - 30
					Normal Sample or Field Duplicate:	N	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Protection of Groundwater SCO	NYSDEC Part 375 Commercial SCO	Units					
1,1,1,2-Tetrachloroethane	--	--	--	µG/KG	0.99 U	0.93 U	1.3 U	1.2 U	
1,1,1-Trichloroethane	680	680	500000	µG/KG	0.99 U	0.93 U	1.3 U	1.2 U	
1,1,2,2-Tetrachloroethane	--	--	--	µG/KG	0.99 U	0.93 U	1.3 U	1.2 U	
1,1,2-Trichloroethane	--	--	--	µG/KG	1.5 U	1.4 U	1.9 U	1.8 U	
1,1-Dichloroethane	270	270	240000	µG/KG	1.5 U	1.4 U	1.9 U	1.8 U	
1,1-Dichloroethene	330	330	500000	µG/KG	0.99 U	0.93 U	1.3 U	1.2 U	
1,1-Dichloropropene	--	--	--	µG/KG	5 U	4.6 U	6.3 U	6 U	
1,2,3-Trichlorobenzene	--	--	--	µG/KG	5 U	4.6 U	6.3 U	6 U	
1,2,3-Trichloropropane	--	--	--	µG/KG	9.9 U	9.3 U	13 U	12 U	
1,2,4,5-Tetramethylbenzene	--	--	--	µG/KG	4 U	3.7 U	5.1 U	4.8 U	
1,2,4-Trichlorobenzene	--	--	--	µG/KG	5 U	4.6 U	6.3 U	6 U	
1,2,4-Trimethylbenzene	3600	3600	190000	µG/KG	5 U	4.6 U	6.3 U	6 U	
1,2-Dibromo-3-Chloropropane	--	--	--	µG/KG	5 U	4.6 U	6.3 U	6 U	
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	µG/KG	4 U	3.7 U	5.1 U	4.8 U	
1,2-Dichlorobenzene	1100	1100	500000	µG/KG	5 U	4.6 U	6.3 U	6 U	
1,2-Dichloroethane	20	20	30000	µG/KG	0.99 U	0.93 U	1.3 U	1.2 U	
1,2-Dichloropropane	--	--	--	µG/KG	3.5 U	3.2 U	4.4 U	4.2 U	
1,3,5-Trimethylbenzene (Mesitylene)	8400	8400	190000	µG/KG	5 U	4.6 U	6.3 U	6 U	
1,3-Dichlorobenzene	2400	2400	280000	µG/KG	5 U	4.6 U	6.3 U	6 U	
1,3-Dichloropropane	--	--	--	µG/KG	5 U	4.6 U	6.3 U	6 U	
1,4-Dichlorobenzene	1800	1800	130000	µG/KG	5 U	4.6 U	6.3 U	6 U	
1,4-Diethyl Benzene	--	--	--	µG/KG	4 U	3.7 U	5.1 U	4.8 U	
1,4-Dioxane (P-Dioxane)	100	100	130000	µG/KG	99 U	93 U	130 U	120 U	
2,2-Dichloropropane	--	--	--	µG/KG	5 U	4.6 U	6.3 U	6 U	

Table 1. Summary of Volatile Organic Compounds in Soil, Morton Village Shopping Center, 1022 Old Country Road, Plainview, New York

					Sample Designation:	RSB-1	RSB-1	RSB-2	RSB-3
					Sample Date:	4/14/2016	4/14/2016	4/14/2016	4/14/2016
					Sample Depth (ft bls):	28 - 30	28 - 30	28 - 30	28 - 30
					Normal Sample or Field Duplicate:	N	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Protection of Groundwater SCO	NYSDEC Part 375 Commercial SCO	Units					
2-Chlorotoluene	--	--	--	µG/KG	5 U	4.6 U	6.3 U	6 U	
2-Hexanone	--	--	--	µG/KG	9.9 U	9.3 U	13 U	12 U	
4-Chlorotoluene	--	--	--	µG/KG	5 U	4.6 U	6.3 U	6 U	
4-Ethyltoluene	--	--	--	µG/KG	4 U	3.7 U	5.1 U	4.8 U	
Acetone	50	50	500000	µG/KG	9.9 UV	9.3 UV	13 UV	12 UV	
Acrylonitrile	--	--	--	µG/KG	9.9 U	9.3 U	13 U	12 U	
Benzene	60	60	44000	µG/KG	0.99 U	0.93 U	1.3 U	1.2 U	
Bromobenzene	--	--	--	µG/KG	5 U	4.6 U	6.3 U	6 U	
Bromochloromethane	--	--	--	µG/KG	5 U	4.6 U	6.3 U	6 U	
Bromodichloromethane	--	--	--	µG/KG	0.99 U	0.93 U	1.3 U	1.2 U	
Bromoform	--	--	--	µG/KG	4 U	3.7 U	5.1 U	4.8 U	
Bromomethane	--	--	--	µG/KG	2 U	1.9 U	2.5 U	2.4 U	
Carbon Disulfide	--	--	--	µG/KG	9.9 U	9.3 U	13 U	12 U	
Carbon Tetrachloride	760	760	22000	µG/KG	0.99 U	0.93 U	1.3 U	1.2 U	
Chlorobenzene	1100	1100	500000	µG/KG	0.99 U	0.93 U	1.3 U	1.2 U	
Chloroethane	--	--	--	µG/KG	2 U	1.9 U	2.5 U	2.4 U	
Chloroform	370	370	350000	µG/KG	1.5 U	1.4 U	1.9 U	1.8 U	
Chloromethane	--	--	--	µG/KG	5 U	4.6 U	6.3 U	6 U	
Cis-1,2-Dichloroethylene	250	250	500000	µG/KG	0.99 U	0.93 U	1.3 U	1.2 U	
Cis-1,3-Dichloropropene	--	--	--	µG/KG	0.99 U	0.93 U	1.3 U	1.2 U	
Cymene	--	--	--	µG/KG	0.99 U	0.93 U	1.3 U	1.2 U	
Dibromochloromethane	--	--	--	µG/KG	0.99 U	0.93 U	1.3 U	1.2 U	
Dibromomethane	--	--	--	µG/KG	9.9 U	9.3 U	13 U	12 U	
Dichlorodifluoromethane	--	--	--	µG/KG	9.9 U	9.3 U	13 U	12 U	

Table 1. Summary of Volatile Organic Compounds in Soil, Morton Village Shopping Center, 1022 Old Country Road, Plainview, New York

					Sample Designation:	RSB-1	RSB-1	RSB-2	RSB-3
					Sample Date:	4/14/2016	4/14/2016	4/14/2016	4/14/2016
					Sample Depth (ft bls):	28 - 30	28 - 30	28 - 30	28 - 30
					Normal Sample or Field Duplicate:	N	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Protection of Groundwater SCO	NYSDEC Part 375 Commercial SCO	Units					
Dichloroethylenes	--	--	--	µG/KG	0.99 U	0.93 U	1.3 U	1.2 U	
Diethyl Ether (Ethyl Ether)	--	--	--	µG/KG	5 U	4.6 U	6.3 U	6 U	
Ethylbenzene	1000	1000	390000	µG/KG	0.99 U	0.93 U	1.3 U	1.2 U	
Hexachlorobutadiene	--	--	--	µG/KG	5 U	4.6 U	6.3 U	6 U	
Isopropylbenzene (Cumene)	--	--	--	µG/KG	0.99 U	0.93 U	1.3 U	1.2 U	
m,p-Xylene	--	--	--	µG/KG	2 U	1.9 U	2.5 U	2.4 U	
Methyl Ethyl Ketone (2-Butanone)	120	120	500000	µG/KG	1.2 J	1.1 J	13 UV	12 UV	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	µG/KG	9.9 U	9.3 U	13 U	12 U	
Methylene Chloride	50	50	500000	µG/KG	9.9 U	9.3 U	13 U	12 U	
Naphthalene	12000	12000	500000	µG/KG	5 U	4.6 U	6.3 U	6 U	
N-Butylbenzene	12000	12000	500000	µG/KG	0.99 U	0.93 U	1.3 U	1.2 U	
N-Propylbenzene	3900	3900	500000	µG/KG	0.99 U	0.93 U	1.3 U	1.2 U	
O-Xylene (1,2-Dimethylbenzene)	--	--	--	µG/KG	2 U	1.9 U	2.5 U	2.4 U	
Sec-Butylbenzene	11000	11000	500000	µG/KG	0.99 U	0.93 U	1.3 U	1.2 U	
Styrene	--	--	--	µG/KG	2 U	1.9 U	2.5 U	2.4 U	
T-Butylbenzene	5900	5900	500000	µG/KG	5 U	4.6 U	6.3 U	6 U	
Tert-Butyl Methyl Ether	930	930	500000	µG/KG	2 U	1.9 U	2.5 U	2.4 U	
Tetrachloroethylene (PCE)	1300	1300	150000	µG/KG	0.99 U	0.93 U	1.3 U	1.2 U	
Toluene	700	700	500000	µG/KG	1.5 U	1.4 U	1.9 U	1.8 U	
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	µG/KG	0.99 U	0.93 U	1.3 U	1.2 U	
Trans-1,2-Dichloroethene	190	190	500000	µG/KG	1.5 U	1.4 U	1.9 U	1.8 U	
Trans-1,3-Dichloropropene	--	--	--	µG/KG	0.99 U	0.93 U	1.3 U	1.2 U	
Trans-1,4-Dichloro-2-Butene	--	--	--	µG/KG	5 U	4.6 U	6.3 U	6 U	
Trichloroethylene (TCE)	470	470	200000	µG/KG	0.99 U	0.93 U	1.3 U	1.2 U	

Table 1. Summary of Volatile Organic Compounds in Soil, Morton Village Shopping Center, 1022 Old Country Road, Plainview, New York

					Sample Designation:	RSB-1	RSB-1	RSB-2	RSB-3
					Sample Date:	4/14/2016	4/14/2016	4/14/2016	4/14/2016
					Sample Depth (ft bls):	28 - 30	28 - 30	28 - 30	28 - 30
					Normal Sample or Field Duplicate:	N	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Protection of Groundwater SCO	NYSDEC Part 375 Commercial SCO	Units					
Trichlorofluoromethane	--	--	--	µG/KG	5 U	4.6 U	6.3 U	6 U	
Vinyl Acetate	--	--	--	µG/KG	9.9 U	9.3 U	13 U	12 U	
Vinyl Chloride	20	20	13000	µG/KG	2 U	1.9 U	2.5 U	2.4 U	
Xylenes	260	1600	500000	µG/KG	2 U	1.9 U	2.5 U	2.4 U	

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

FD - Duplicate sample

V - Value altered or qualifier added during data validation

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

SCO - Soil Cleanup Objectives

-- No SCO available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Red data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO

Table 1. Summary of Volatile Organic Compounds in Soil, Morton Village Shopping Center, 1022 Old Country Road, Plainview, New York

					Sample Designation:	RSB-4	RSB-5	RSB-6	RSB-7
					Sample Date:	4/14/2016	4/14/2016	4/13/2016	4/13/2016
					Sample Depth (ft bls):	28 - 30	28 - 30	28 - 30	7 - 9
					Normal Sample or Field Duplicate:	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Protection of Groundwater SCO	NYSDEC Part 375 Commercial SCO	Units					
1,1,1,2-Tetrachloroethane	--	--	--	µG/KG	1.1 U	1 U	1.4 U	1.1 U	
1,1,1-Trichloroethane	680	680	500000	µG/KG	1.1 U	1 U	1.4 U	1.1 U	
1,1,2,2-Tetrachloroethane	--	--	--	µG/KG	1.1 U	1 U	1.4 U	1.1 U	
1,1,2-Trichloroethane	--	--	--	µG/KG	1.7 U	1.5 U	2.2 U	1.7 U	
1,1-Dichloroethane	270	270	240000	µG/KG	1.7 U	1.5 U	2.2 U	1.7 U	
1,1-Dichloroethene	330	330	500000	µG/KG	1.1 U	1 U	1.4 U	1.1 U	
1,1-Dichloropropene	--	--	--	µG/KG	5.7 U	5.1 U	7.2 U	5.6 U	
1,2,3-Trichlorobenzene	--	--	--	µG/KG	5.7 U	5.1 U	7.2 U	5.6 U	
1,2,3-Trichloropropane	--	--	--	µG/KG	11 U	10 U	14 U	11 U	
1,2,4,5-Tetramethylbenzene	--	--	--	µG/KG	4.5 U	4.1 U	5.8 U	4.5 U	
1,2,4-Trichlorobenzene	--	--	--	µG/KG	5.7 U	5.1 U	7.2 U	5.6 U	
1,2,4-Trimethylbenzene	3600	3600	190000	µG/KG	5.7 U	5.1 U	7.2 U	5.6 U	
1,2-Dibromo-3-Chloropropane	--	--	--	µG/KG	5.7 U	5.1 U	7.2 U	5.6 U	
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	µG/KG	4.5 U	4.1 U	5.8 U	4.5 U	
1,2-Dichlorobenzene	1100	1100	500000	µG/KG	5.7 U	5.1 U	7.2 U	5.6 U	
1,2-Dichloroethane	20	20	30000	µG/KG	1.1 U	1 U	1.4 U	1.1 U	
1,2-Dichloropropane	--	--	--	µG/KG	4 U	3.6 U	5.1 U	3.9 U	
1,3,5-Trimethylbenzene (Mesitylene)	8400	8400	190000	µG/KG	5.7 U	5.1 U	7.2 U	5.6 U	
1,3-Dichlorobenzene	2400	2400	280000	µG/KG	5.7 U	5.1 U	7.2 U	5.6 U	
1,3-Dichloropropane	--	--	--	µG/KG	5.7 U	5.1 U	7.2 U	5.6 U	
1,4-Dichlorobenzene	1800	1800	130000	µG/KG	5.7 U	5.1 U	7.2 U	5.6 U	
1,4-Diethyl Benzene	--	--	--	µG/KG	4.5 U	4.1 U	5.8 U	4.5 U	
1,4-Dioxane (P-Dioxane)	100	100	130000	µG/KG	110 U	100 U	140 U	110 U	
2,2-Dichloropropane	--	--	--	µG/KG	5.7 U	5.1 U	7.2 U	5.6 U	

Table 1. Summary of Volatile Organic Compounds in Soil, Morton Village Shopping Center, 1022 Old Country Road, Plainview, New York

					Sample Designation:	RSB-4	RSB-5	RSB-6	RSB-7
					Sample Date:	4/14/2016	4/14/2016	4/13/2016	4/13/2016
					Sample Depth (ft bls):	28 - 30	28 - 30	28 - 30	7 - 9
					Normal Sample or Field Duplicate:	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Protection of Groundwater SCO	NYSDEC Part 375 Commercial SCO	Units					
2-Chlorotoluene	--	--	--	µG/KG	5.7 U	5.1 U	7.2 U	5.6 U	
2-Hexanone	--	--	--	µG/KG	11 U	10 U	14 U	11 U	
4-Chlorotoluene	--	--	--	µG/KG	5.7 U	5.1 U	7.2 U	5.6 U	
4-Ethyltoluene	--	--	--	µG/KG	4.5 U	4.1 U	5.8 U	4.5 U	
Acetone	50	50	500000	µG/KG	11 UV	10 UV	14 UV	11 UV	
Acrylonitrile	--	--	--	µG/KG	11 U	10 U	14 U	11 U	
Benzene	60	60	44000	µG/KG	1.1 U	1 U	1.4 U	1.1 U	
Bromobenzene	--	--	--	µG/KG	5.7 U	5.1 U	7.2 U	5.6 U	
Bromochloromethane	--	--	--	µG/KG	5.7 U	5.1 U	7.2 U	5.6 U	
Bromodichloromethane	--	--	--	µG/KG	1.1 U	1 U	1.4 U	1.1 U	
Bromoform	--	--	--	µG/KG	4.5 U	4.1 U	5.8 U	4.5 U	
Bromomethane	--	--	--	µG/KG	2.3 U	2 U	2.9 U	2.2 U	
Carbon Disulfide	--	--	--	µG/KG	11 U	10 U	14 U	11 U	
Carbon Tetrachloride	760	760	22000	µG/KG	1.1 U	1 U	1.4 U	1.1 U	
Chlorobenzene	1100	1100	500000	µG/KG	1.1 U	1 U	1.4 U	1.1 U	
Chloroethane	--	--	--	µG/KG	2.3 U	2 U	2.9 U	2.2 U	
Chloroform	370	370	350000	µG/KG	1.7 U	1.5 U	2.2 U	1.7 U	
Chloromethane	--	--	--	µG/KG	5.7 U	5.1 U	7.2 U	5.6 U	
Cis-1,2-Dichloroethylene	250	250	500000	µG/KG	1.1 U	1 U	1.4 U	1.1 U	
Cis-1,3-Dichloropropene	--	--	--	µG/KG	1.1 U	1 U	1.4 U	1.1 U	
Cymene	--	--	--	µG/KG	1.1 U	1 U	1.4 U	1.1 U	
Dibromochloromethane	--	--	--	µG/KG	1.1 U	1 U	1.4 U	1.1 U	
Dibromomethane	--	--	--	µG/KG	11 U	10 U	14 U	11 U	
Dichlorodifluoromethane	--	--	--	µG/KG	11 U	10 U	14 U	11 U	

Table 1. Summary of Volatile Organic Compounds in Soil, Morton Village Shopping Center, 1022 Old Country Road, Plainview, New York

					Sample Designation:	RSB-4	RSB-5	RSB-6	RSB-7
					Sample Date:	4/14/2016	4/14/2016	4/13/2016	4/13/2016
					Sample Depth (ft bls):	28 - 30	28 - 30	28 - 30	7 - 9
					Normal Sample or Field Duplicate:	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Protection of Groundwater SCO	NYSDEC Part 375 Commercial SCO	Units					
Dichloroethylenes	--	--	--	µG/KG	1.1 U	1 U	1.4 U	1.1 U	
Diethyl Ether (Ethyl Ether)	--	--	--	µG/KG	5.7 U	5.1 U	7.2 U	5.6 U	
Ethylbenzene	1000	1000	390000	µG/KG	1.1 U	1 U	1.4 U	1.1 U	
Hexachlorobutadiene	--	--	--	µG/KG	5.7 U	5.1 U	7.2 U	5.6 U	
Isopropylbenzene (Cumene)	--	--	--	µG/KG	1.1 U	1 U	1.4 U	1.1 U	
m,p-Xylene	--	--	--	µG/KG	2.3 U	2 U	2.9 U	2.2 U	
Methyl Ethyl Ketone (2-Butanone)	120	120	500000	µG/KG	11 UV	10 UV	14 U	11 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	µG/KG	11 U	10 U	14 U	11 U	
Methylene Chloride	50	50	500000	µG/KG	11 U	10 U	14 U	11 U	
Naphthalene	12000	12000	500000	µG/KG	5.7 U	5.1 U	7.2 U	5.6 U	
N-Butylbenzene	12000	12000	500000	µG/KG	1.1 U	1 U	1.4 U	1.1 U	
N-Propylbenzene	3900	3900	500000	µG/KG	1.1 U	1 U	1.4 U	1.1 U	
O-Xylene (1,2-Dimethylbenzene)	--	--	--	µG/KG	2.3 U	2 U	2.9 U	2.2 U	
Sec-Butylbenzene	11000	11000	500000	µG/KG	1.1 U	1 U	1.4 U	1.1 U	
Styrene	--	--	--	µG/KG	2.3 U	2 U	2.9 U	2.2 U	
T-Butylbenzene	5900	5900	500000	µG/KG	5.7 U	5.1 U	7.2 U	5.6 U	
Tert-Butyl Methyl Ether	930	930	500000	µG/KG	2.3 U	2 U	2.9 U	2.2 U	
Tetrachloroethylene (PCE)	1300	1300	150000	µG/KG	3.2	2	4.6	1.1 U	
Toluene	700	700	500000	µG/KG	1.7 U	1.5 U	2.2 U	1.7 U	
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	µG/KG	1.1 U	1 U	1.4 U	1.1 U	
Trans-1,2-Dichloroethene	190	190	500000	µG/KG	1.7 U	1.5 U	2.2 U	1.7 U	
Trans-1,3-Dichloropropene	--	--	--	µG/KG	1.1 U	1 U	1.4 U	1.1 U	
Trans-1,4-Dichloro-2-Butene	--	--	--	µG/KG	5.7 U	5.1 U	7.2 U	5.6 U	
Trichloroethylene (TCE)	470	470	200000	µG/KG	1.1 U	1 U	1.4 U	1.1 U	

Table 1. Summary of Volatile Organic Compounds in Soil, Morton Village Shopping Center, 1022 Old Country Road, Plainview, New York

					Sample Designation:	RSB-4	RSB-5	RSB-6	RSB-7
					Sample Date:	4/14/2016	4/14/2016	4/13/2016	4/13/2016
					Sample Depth (ft bls):	28 - 30	28 - 30	28 - 30	7 - 9
					Normal Sample or Field Duplicate:	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Protection of Groundwater SCO	NYSDEC Part 375 Commercial SCO	Units					
Trichlorofluoromethane	--	--	--	µG/KG	5.7 U	5.1 U	7.2 U	5.6 U	
Vinyl Acetate	--	--	--	µG/KG	11 U	10 U	14 U	11 U	
Vinyl Chloride	20	20	13000	µG/KG	2.3 U	2 U	2.9 U	2.2 U	
Xylenes	260	1600	500000	µG/KG	2.3 U	2 U	2.9 U	2.2 U	

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

FD - Duplicate sample

V - Value altered or qualifier added during data validation

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

SCO - Soil Cleanup Objectives

-- No SCO available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Red data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO

Table 1. Summary of Volatile Organic Compounds in Soil, Morton Village Shopping Center, 1022 Old Country Road, Plainview, New York

					Sample Designation:	RSB-8	RSB-9
					Sample Date:	4/19/2016	4/19/2016
					Sample Depth (ft bls):	38 - 40	28 - 30
					Normal Sample or Field Duplicate:	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Protection of Groundwater SCO	NYSDEC Part 375 Commercial SCO	Units			
1,1,1,2-Tetrachloroethane	--	--	--	µG/KG	1.2 U	1 U	
1,1,1-Trichloroethane	680	680	500000	µG/KG	1.2 U	1 U	
1,1,2,2-Tetrachloroethane	--	--	--	µG/KG	1.2 U	1 U	
1,1,2-Trichloroethane	--	--	--	µG/KG	1.8 U	1.6 U	
1,1-Dichloroethane	270	270	240000	µG/KG	1.8 U	1.6 U	
1,1-Dichloroethene	330	330	500000	µG/KG	1.2 U	1 U	
1,1-Dichloropropene	--	--	--	µG/KG	6.2 U	5.2 U	
1,2,3-Trichlorobenzene	--	--	--	µG/KG	6.2 U	5.2 U	
1,2,3-Trichloropropane	--	--	--	µG/KG	12 U	10 U	
1,2,4,5-Tetramethylbenzene	--	--	--	µG/KG	4.9 U	4.2 U	
1,2,4-Trichlorobenzene	--	--	--	µG/KG	6.2 U	5.2 U	
1,2,4-Trimethylbenzene	3600	3600	190000	µG/KG	6.2 U	5.2 U	
1,2-Dibromo-3-Chloropropane	--	--	--	µG/KG	6.2 U	5.2 U	
1,2-Dibromoethane (Ethylene Dibromide)	--	--	--	µG/KG	4.9 U	4.2 U	
1,2-Dichlorobenzene	1100	1100	500000	µG/KG	6.2 U	5.2 U	
1,2-Dichloroethane	20	20	30000	µG/KG	1.2 U	1 U	
1,2-Dichloropropane	--	--	--	µG/KG	4.3 U	3.6 U	
1,3,5-Trimethylbenzene (Mesitylene)	8400	8400	190000	µG/KG	6.2 U	5.2 U	
1,3-Dichlorobenzene	2400	2400	280000	µG/KG	6.2 U	5.2 U	
1,3-Dichloropropane	--	--	--	µG/KG	6.2 U	5.2 U	
1,4-Dichlorobenzene	1800	1800	130000	µG/KG	6.2 U	5.2 U	
1,4-Diethyl Benzene	--	--	--	µG/KG	4.9 U	4.2 U	
1,4-Dioxane (P-Dioxane)	100	100	130000	µG/KG	120 U	100 U	
2,2-Dichloropropane	--	--	--	µG/KG	6.2 U	5.2 U	

Table 1. Summary of Volatile Organic Compounds in Soil, Morton Village Shopping Center, 1022 Old Country Road, Plainview, New York

					Sample Designation:	RSB-8	RSB-9
					Sample Date:	4/19/2016	4/19/2016
					Sample Depth (ft bls):	38 - 40	28 - 30
					Normal Sample or Field Duplicate:	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Protection of Groundwater SCO	NYSDEC Part 375 Commercial SCO	Units			
2-Chlorotoluene	--	--	--	µG/KG	6.2 U	5.2 U	
2-Hexanone	--	--	--	µG/KG	12 U	10 U	
4-Chlorotoluene	--	--	--	µG/KG	6.2 U	5.2 U	
4-Ethyltoluene	--	--	--	µG/KG	4.9 U	4.2 U	
Acetone	50	50	500000	µG/KG	2 J	1.4 J	
Acrylonitrile	--	--	--	µG/KG	12 U	10 U	
Benzene	60	60	44000	µG/KG	1.2 U	1 U	
Bromobenzene	--	--	--	µG/KG	6.2 U	5.2 U	
Bromochloromethane	--	--	--	µG/KG	6.2 U	5.2 U	
Bromodichloromethane	--	--	--	µG/KG	1.2 U	1 U	
Bromoform	--	--	--	µG/KG	4.9 U	4.2 U	
Bromomethane	--	--	--	µG/KG	2.5 U	2.1 U	
Carbon Disulfide	--	--	--	µG/KG	12 U	10 U	
Carbon Tetrachloride	760	760	22000	µG/KG	1.2 U	1 U	
Chlorobenzene	1100	1100	500000	µG/KG	1.2 U	1 U	
Chloroethane	--	--	--	µG/KG	2.5 U	2.1 U	
Chloroform	370	370	350000	µG/KG	1.8 U	1.6 U	
Chloromethane	--	--	--	µG/KG	6.2 U	5.2 U	
Cis-1,2-Dichloroethylene	250	250	500000	µG/KG	1.2 U	1 U	
Cis-1,3-Dichloropropene	--	--	--	µG/KG	1.2 U	1 U	
Cymene	--	--	--	µG/KG	1.2 U	1 U	
Dibromochloromethane	--	--	--	µG/KG	1.2 U	1 U	
Dibromomethane	--	--	--	µG/KG	12 U	10 U	
Dichlorodifluoromethane	--	--	--	µG/KG	12 U	10 U	

Table 1. Summary of Volatile Organic Compounds in Soil, Morton Village Shopping Center, 1022 Old Country Road, Plainview, New York

					Sample Designation:	RSB-8	RSB-9
					Sample Date:	4/19/2016	4/19/2016
					Sample Depth (ft bls):	38 - 40	28 - 30
					Normal Sample or Field Duplicate:	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Protection of Groundwater SCO	NYSDEC Part 375 Commercial SCO	Units			
Dichloroethylenes	--	--	--	µG/KG	1.2 U	1 U	
Diethyl Ether (Ethyl Ether)	--	--	--	µG/KG	6.2 U	5.2 U	
Ethylbenzene	1000	1000	390000	µG/KG	1.2 U	1 U	
Hexachlorobutadiene	--	--	--	µG/KG	6.2 U	5.2 U	
Isopropylbenzene (Cumene)	--	--	--	µG/KG	1.2 U	1 U	
m,p-Xylene	--	--	--	µG/KG	2.5 U	2.1 U	
Methyl Ethyl Ketone (2-Butanone)	120	120	500000	µG/KG	12 U	10 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	--	µG/KG	12 U	10 U	
Methylene Chloride	50	50	500000	µG/KG	12 U	10 U	
Naphthalene	12000	12000	500000	µG/KG	6.2 U	5.2 U	
N-Butylbenzene	12000	12000	500000	µG/KG	1.2 U	1 U	
N-Propylbenzene	3900	3900	500000	µG/KG	1.2 U	1 U	
O-Xylene (1,2-Dimethylbenzene)	--	--	--	µG/KG	2.5 U	2.1 U	
Sec-Butylbenzene	11000	11000	500000	µG/KG	1.2 U	1 U	
Styrene	--	--	--	µG/KG	2.5 U	2.1 U	
T-Butylbenzene	5900	5900	500000	µG/KG	6.2 U	5.2 U	
Tert-Butyl Methyl Ether	930	930	500000	µG/KG	2.5 U	2.1 U	
Tetrachloroethylene (PCE)	1300	1300	150000	µG/KG	2.9	1 U	
Toluene	700	700	500000	µG/KG	1.8 U	1.6 U	
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	--	µG/KG	1.2 U	1 U	
Trans-1,2-Dichloroethene	190	190	500000	µG/KG	1.8 U	1.6 U	
Trans-1,3-Dichloropropene	--	--	--	µG/KG	1.2 U	1 U	
Trans-1,4-Dichloro-2-Butene	--	--	--	µG/KG	6.2 U	5.2 U	
Trichloroethylene (TCE)	470	470	200000	µG/KG	1.2 U	1 U	

Table 1. Summary of Volatile Organic Compounds in Soil, Morton Village Shopping Center, 1022 Old Country Road, Plainview, New York

					Sample Designation:	RSB-8	RSB-9
					Sample Date:	4/19/2016	4/19/2016
					Sample Depth (ft bls):	38 - 40	28 - 30
					Normal Sample or Field Duplicate:	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Protection of Groundwater SCO	NYSDEC Part 375 Commercial SCO	Units			
Trichlorofluoromethane	--	--	--	µG/KG	6.2 U	5.2 U	
Vinyl Acetate	--	--	--	µG/KG	12 U	10 U	
Vinyl Chloride	20	20	13000	µG/KG	2.5 U	2.1 U	
Xylenes	260	1600	500000	µG/KG	2.5 U	2.1 U	

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

FD - Duplicate sample

V - Value altered or qualifier added during data validation

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

SCO - Soil Cleanup Objectives

-- No SCO available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO

Red data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO

Table 2. Summary of Volatile Organic Compounds in Groundwater, Morton Village Shopping Center, 1022 Old Country Road, Plainview, New York

				Sample Designation:	GRAB 1	MW-1	MW-3	MW-3	RMW-1
				Sample Date:	4/19/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016
				Sample Depth (ft bls):	80				
				Normal Sample or Field Duplicate:	N	N	N	FD	N
Parameter	NYSDEC Ambient Water Quality Standards	NYSDEC Ambient Water Quality Guidance Values	Units						
1,1,1,2-Tetrachloroethane	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	--	µG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	--	µG/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	--	µG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	--	µG/L	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	µG/L	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	--	µG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	--	µG/L	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	--	µG/L	2 U	2 U	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	--	--	µG/L	250 U	250 U	250 U	250 U	250 U	250 U

Table 2. Summary of Volatile Organic Compounds in Groundwater, Morton Village Shopping Center, 1022 Old Country Road, Plainview, New York

				Sample Designation:	GRAB 1	MW-1	MW-3	MW-3	RMW-1
				Sample Date:	4/19/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016
				Sample Depth (ft bls):	80				
				Normal Sample or Field Duplicate:	N	N	N	FD	N
Parameter	NYSDEC Ambient Water Quality Standards	NYSDEC Ambient Water Quality Guidance Values	Units						
2,2-Dichloropropane	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	--	50	µG/L	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	--	µG/L	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	--	50	µG/L	17	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	5	--	µG/L	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	--	µG/L	0.22 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	--	50	µG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	--	50	µG/L	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Carbon Disulfide	--	60	µG/L	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	--	µG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	--	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	--	µG/L	70	21	1.4 J	1.3 J	2.5 U	2.5 U
Cis-1,3-Dichloropropene	--	5	µG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	--	50	µG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 2. Summary of Volatile Organic Compounds in Groundwater, Morton Village Shopping Center, 1022 Old Country Road, Plainview, New York

				Sample Designation:	GRAB 1	MW-1	MW-3	MW-3	RMW-1
				Sample Date:	4/19/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016
				Sample Depth (ft bls):	80				
				Normal Sample or Field Duplicate:	N	N	N	FD	N
Parameter	NYSDEC Ambient Water Quality Standards	NYSDEC Ambient Water Quality Guidance Values	Units						
Dibromomethane	5	--	µG/L	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	--	µG/L	5 U	5 U	5 U	5 U	5 U	5 U
Dichloroethylenes	5	--	µG/L	72 J	22 J	1.4 J	1.3 J	2.5 U	
Diethyl Ether (Ethyl Ether)	--	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	--	50	µG/L	3.8 J	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	µG/L	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	--	10	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Butylbenzene	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	--	10	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	--	µG/L	83	34	15	15	0.53	
Toluene	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	--	µG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	--	µG/L	2 J	0.91 J	2.5 U	2.5 U	2.5 U	2.5 U

Table 2. Summary of Volatile Organic Compounds in Groundwater, Morton Village Shopping Center, 1022 Old Country Road, Plainview, New York

				Sample Designation:	GRAB 1	MW-1	MW-3	MW-3	RMW-1
				Sample Date:	4/19/2016	11/11/2016	11/11/2016	11/11/2016	11/11/2016
				Sample Depth (ft bls):	80				
				Normal Sample or Field Duplicate:	N	N	N	FD	N
Parameter	NYSDEC Ambient Water Quality Standards	NYSDEC Ambient Water Quality Guidance Values	Units						
Trans-1,3-Dichloropropene	--	--	µG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	--	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethylene (TCE)	5	--	µG/L	19	8.6	1.6	1.5	0.5 U	0.5 U
Trichlorofluoromethane	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	--	µG/L	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	2	--	µG/L	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes	5	--	µG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L - Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

FD - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 3. Summary of Volatile Organic Compounds in Soil Vapor, Indoor Air and Sub-Slab Soil Vapor, Morton Village Shopping Center, 1022 Old Country Road, Plainview, New York

Sample Designation:		IA-1_BASEMENT	IA-1_BASEMENT	IA-2_MAIN FLOOR	SV-1	SV-2	SV-3
Sample Date:		3/22/2016	3/22/2016	3/22/2016	3/22/2016	3/22/2016	3/22/2016
Normal Sample or Field Duplicate:		N	FD	N	N	N	N
Parameter	Unit						
1,1,1-Trichloroethane	µG/M3	0.109 U	0.109 U	0.109 U	48.1 U	33.4 U	2.73 U
1,1,2,2-Tetrachloroethane	µG/M3	1.37 U	1.37 U	1.37 U	60.5 U	42 U	3.43 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	µG/M3	1.53 U	1.53 U	1.53 U	67.5 U	46.9 U	3.83 U
1,1,2-Trichloroethane	µG/M3	1.09 U	1.09 U	1.09 U	48.1 U	33.4 U	2.73 U
1,1-Dichloroethane	µG/M3	0.809 U	0.809 U	0.809 U	35.7 U	24.8 U	2.02 U
1,1-Dichloroethene	µG/M3	0.079 U	0.079 U	0.079 U	34.9 U	24.3 U	1.98 U
1,2,4-Trichlorobenzene	µG/M3	1.48 U	1.48 U	1.48 U	65.4 U	45.4 U	3.71 U
1,2,4-Trimethylbenzene	µG/M3	0.983 U	0.983 U	0.983 U	43.3 U	30.1 U	2.46 U
1,2-Dibromoethane (Ethylene Dibromide)	µG/M3	1.54 U	1.54 U	1.54 U	67.7 U	47 U	3.84 U
1,2-Dichlorobenzene	µG/M3	1.2 U	1.2 U	1.2 U	53 U	36.8 U	3.01 U
1,2-Dichloroethane	µG/M3	0.809 U	0.809 U	0.809 U	35.7 U	24.8 U	2.02 U
1,2-Dichloropropane	µG/M3	0.924 U	0.924 U	0.924 U	40.7 U	28.3 U	2.31 U
1,2-Dichlorotetrafluoroethane	µG/M3	1.4 U	1.4 U	1.4 U	61.6 U	42.8 U	3.49 U
1,3,5-Trimethylbenzene (Mesitylene)	µG/M3	0.983 U	0.983 U	0.983 U	43.3 U	30.1 U	2.46 U
1,3-Butadiene	µG/M3	0.442 U	0.442 U	0.442 U	19.5 U	13.5 U	1.11 U
1,3-Dichlorobenzene	µG/M3	1.2 U	1.2 U	1.2 U	53 U	36.8 U	3.01 U
1,4-Dichlorobenzene	µG/M3	1.2 U	1.2 U	1.2 U	53 U	36.8 U	3.01 U
1,4-Dioxane (P-Dioxane)	µG/M3	0.721 U	0.721 U	0.721 U	31.7 U	22.1 U	1.8 U
2,2,4-Trimethylpentane	µG/M3	0.934 U	0.934 U	0.934 U	41.1 U	28.6 U	2.34 U
2-Hexanone	µG/M3	0.82 U	0.82 U	0.82 U	36.1 U	25.1 U	2.05 U
4-Ethyltoluene	µG/M3	0.983 U	0.983 U	0.983 U	43.3 U	30.1 U	2.46 U
Acetone	µG/M3	28	29.7	21.3	105 U	72.7 U	22.8
Allyl Chloride (3-Chloropropene)	µG/M3	0.626 U	0.626 U	0.626 U	27.6 U	19.2 U	1.57 U
Benzene	µG/M3	0.639 U	0.639 U	0.639 U	28.1 U	19.6 U	1.6 U
Benzyl Chloride	µG/M3	1.04 U	1.04 U	1.04 U	45.6 U	31.7 U	2.59 U
Bromodichloromethane	µG/M3	1.34 U	1.34 U	1.34 U	59 U	41 U	3.35 U
Bromoform	µG/M3	2.07 U	2.07 U	2.07 U	91.1 U	63.3 U	5.17 U
Bromomethane	µG/M3	0.777 U	0.777 U	0.777 U	34.2 U	23.8 U	1.94 U
Carbon Disulfide	µG/M3	0.623 U	0.623 U	0.623 U	27.4 U	19.1 U	1.56 U

Table 3. Summary of Volatile Organic Compounds in Soil Vapor, Indoor Air and Sub-Slab Soil Vapor, Morton Village Shopping Center, 1022 Old Country Road, Plainview, New York

Sample Designation:		IA-1_BASEMENT	IA-1_BASEMENT	IA-2_MAIN FLOOR	SV-1	SV-2	SV-3
Sample Date:		3/22/2016	3/22/2016	3/22/2016	3/22/2016	3/22/2016	3/22/2016
Normal Sample or Field Duplicate:		N	FD	N	N	N	N
Parameter	Unit						
Carbon Tetrachloride	µG/M3	0.459	0.459	0.434	55.4 U	38.5 U	3.15 U
Chlorobenzene	µG/M3	0.921 U	0.921 U	0.921 U	40.6 U	28.2 U	2.3 U
Chloroethane	µG/M3	0.528 U	0.528 U	0.528 U	23.2 U	16.1 U	1.32 U
Chloroform	µG/M3	0.977 U	0.977 U	0.977 U	43 U	29.9 U	2.68 JV
Chloromethane	µG/M3	1.22	1.18	1.29	18.2 U	12.6 U	1.03 U
Cis-1,2-Dichloroethylene	µG/M3	0.329	0.317	0.079 U	603	338	11.4
Cis-1,3-Dichloropropene	µG/M3	0.908 U	0.908 U	0.908 U	40 U	27.8 U	2.27 U
Cyclohexane	µG/M3	0.688 U	0.688 U	0.688 U	30.3 U	21.1 U	1.72 UJV
Dibromochloromethane	µG/M3	1.7 U	1.7 U	1.7 U	75.1 U	52.1 U	4.26 U
Dichlorodifluoromethane	µG/M3	2.56	1.97	2.4	43.6 U	30.3 U	2.47 U
Ethanol	µG/M3	5600	5350	17800	577	288 U	153
Ethyl Acetate	µG/M3	6.56	6.63	14.5	79.3 U	55.1 U	4.5 U
Ethylbenzene	µG/M3	0.869 U	0.869 U	0.869 U	38.3 U	26.6 U	2.17 U
Hexachlorobutadiene	µG/M3	2.13 U	2.13 U	2.13 U	94 U	65.3 U	5.33 U
Isopropanol	µG/M3	7.99	7.57	5.53	54.1 U	37.6 U	5.75 JV
m,p-Xylene	µG/M3	1.74 U	1.74 U	1.74 U	76.4 U	53 U	4.95 JV
Methyl Ethyl Ketone (2-Butanone)	µG/M3	1.47 U	1.47 U	2.42	64.9 U	45.1 U	3.69 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	µG/M3	2.05 U	2.05 U	2.05 U	90.2 U	62.7 U	5.12 U
Methylene Chloride	µG/M3	1.9	14	3.82	76.4 U	53.2 U	4.34 U
N-Heptane	µG/M3	0.82 U	0.82 U	0.82 U	36.1 U	25.1 U	2.05 U
N-Hexane	µG/M3	0.705 U	0.705 U	0.705 U	31 U	21.6 U	1.76 U
O-Xylene (1,2-Dimethylbenzene)	µG/M3	0.869 U	0.869 U	0.869 U	38.3 U	26.6 U	2.17 U
Styrene	µG/M3	0.852 U	0.852 U	0.852 U	37.5 U	26.1 U	2.13 U
Tert-Butyl Alcohol	µG/M3	1.52 U	1.52 U	1.52 U	66.7 U	46.4 U	3.79 U
Tert-Butyl Methyl Ether	µG/M3	0.721 U	0.721 U	0.721 U	31.8 U	22.1 U	1.8 U
Tetrachloroethylene (PCE)	µG/M3	24.8	23.3	0.719	18800	14200	1080
Tetrahydrofuran	µG/M3	1.47 U	1.47 U	1.47 U	64.9 U	45.1 U	3.69 U
Toluene	µG/M3	2.14	3.1	1.61	33.2 U	23.1 U	3.25 JV
Trans-1,2-Dichloroethene	µG/M3	0.793 U	0.793 U	0.793 U	34.9 U	24.3 U	1.98 U

Table 3. Summary of Volatile Organic Compounds in Soil Vapor, Indoor Air and Sub-Slab Soil Vapor, Morton Village Shopping Center, 1022 Old Country Road, Plainview, New York

Sample Designation:		IA-1_BASEMENT	IA-1_BASEMENT	IA-2_MAIN FLOOR	SV-1	SV-2	SV-3
Sample Date:		3/22/2016	3/22/2016	3/22/2016	3/22/2016	3/22/2016	3/22/2016
Normal Sample or Field Duplicate:		N	FD	N	N	N	N
Parameter	Unit						
Trans-1,3-Dichloropropene	µG/M3	0.908 U	0.908 U	0.908 U	40 U	27.8 U	2.27 U
Trichloroethylene (TCE)	µG/M3	0.79	0.763	0.107 U	1280	763	59.1
Trichlorofluoromethane	µG/M3	1.29	1.39	1.25	49.5 U	34.4 U	2.81 U
Vinyl Bromide	µG/M3	0.874 U	0.874 U	0.874 U	38.5 U	26.8 U	2.19 U
Vinyl Chloride	µG/M3	0.051 U	0.051 U	0.051 U	22.5 U	15.6 U	1.28 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

FD - Duplicate sample

µg/m³ - Micrograms per cubic meter

Bold data indicates that parameter was detected

V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Table 3. Summary of Volatile Organic Compounds in Soil Vapor, Indoor Air and Sub-Slab Soil Vapor, Morton Village Shopping Center, 1022 Old Country Road, Plainview, New York

Sample Designation:		SV-3	SV-4	SV-5	SV-6	SV-7	SV-8	SV-8	SV-9
Sample Date:		3/22/2016	3/22/2016	11/2/2016	11/2/2016	11/4/2016	11/2/2016	11/2/2016	11/2/2016
Normal Sample or Field Duplicate:		FD	N	N	N	N	N	FD	N
Parameter	Unit								
1,1,1-Trichloroethane	µG/M3	3.64 U	2.73 U	1.09 U	1.09 U	96 U	2.18 U	2.73 U	1.09 U
1,1,2,2-Tetrachloroethane	µG/M3	4.58 U	3.43 U	1.37 U	1.37 U	121 U	2.75 U	3.43 U	1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	µG/M3	5.11 U	3.83 U	1.53 U	1.53 U	135 U	3.07 U	3.83 U	1.53 U
1,1,2-Trichloroethane	µG/M3	3.64 U	2.73 U	1.09 U	1.09 U	96 U	2.18 U	2.73 U	1.09 U
1,1-Dichloroethane	µG/M3	2.7 U	2.02 U	0.809 U	0.809 U	71.2 U	1.62 U	2.02 U	0.809 U
1,1-Dichloroethene	µG/M3	2.64 U	1.98 U	0.793 U	0.793 U	69.8 U	1.59 U	1.98 U	0.793 U
1,2,4-Trichlorobenzene	µG/M3	4.95 U	3.71 U	1.48 U	1.48 U	131 U	2.97 U	3.71 U	1.48 U
1,2,4-Trimethylbenzene	µG/M3	3.28 U	2.46 U	36.8	20.2	86.5 U	42.8	42.9	82.6
1,2-Dibromoethane (Ethylene Dibromide)	µG/M3	5.13 U	3.84 U	1.54 U	1.54 U	135 U	3.07 U	3.84 U	1.54 U
1,2-Dichlorobenzene	µG/M3	4.01 U	3.01 U	1.2 U	1.2 U	106 U	2.4 U	3.01 U	1.2 U
1,2-Dichloroethane	µG/M3	2.7 U	2.02 U	0.809 U	0.809 U	71.2 U	1.62 U	2.02 U	0.809 U
1,2-Dichloropropane	µG/M3	3.08 U	2.31 U	0.924 U	0.924 U	81.3 U	1.85 U	2.31 U	0.924 U
1,2-Dichlorotetrafluoroethane	µG/M3	4.66 U	3.49 U	1.4 U	1.4 U	123 U	2.8 U	3.49 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	µG/M3	3.28 U	2.46 U	9.09	4.87	86.5 U	11.1	10.7	22.7
1,3-Butadiene	µG/M3	1.48 U	1.11 U	0.442 U	0.442 U	38.9 U	0.885 U	1.11 U	0.442 U
1,3-Dichlorobenzene	µG/M3	4.01 U	3.01 U	1.2 U	1.2 U	106 U	2.4 U	3.01 U	1.2 U
1,4-Dichlorobenzene	µG/M3	4.01 U	3.01 U	2.04	1.39	106 U	2.86	3.31	3.1
1,4-Dioxane (P-Dioxane)	µG/M3	2.4 U	1.8 U	0.721 U	0.721 U	63.4 U	1.44 U	1.8 U	0.721 U
2,2,4-Trimethylpentane	µG/M3	3.12 U	2.34 U	3.36	1.49	82.2 U	4.14 JV	2.34 UJV	20.6
2-Hexanone	µG/M3	2.73 U	2.05 U	0.82 U	0.82 U	72.1 U	1.64 U	2.05 U	0.82 U
4-Ethyltoluene	µG/M3	3.28 U	2.46 U	6.54	3.46	86.5 U	7.67	6.78	12.5
Acetone	µG/M3	16	7.89	53.9	30.4	209 U	32.3	22	33.3
Allyl Chloride (3-Chloropropene)	µG/M3	2.09 U	1.57 U	0.626 U	0.626 U	55.1 U	1.25 U	1.57 U	0.626 U
Benzene	µG/M3	2.13 U	1.6 U	1.91	1.48	56.2 U	1.8	1.6 U	1.9
Benzyl Chloride	µG/M3	3.45 U	2.59 U	1.04 U	1.04 U	91.1 U	2.07 U	2.59 U	1.04 U
Bromodichloromethane	µG/M3	4.47 U	3.35 U	1.34 U	1.34 U	118 U	2.68 U	3.35 U	1.34 U
Bromoform	µG/M3	6.9 U	5.17 U	2.07 U	2.07 U	182 U	4.14 U	5.17 U	2.07 U
Bromomethane	µG/M3	2.59 U	1.94 U	0.777 U	0.777 U	68.3 U	1.55 U	1.94 U	0.777 U
Carbon Disulfide	µG/M3	2.08 U	1.56 U	8.1	0.623 U	54.8 U	4.76	4.48	3.61

Table 3. Summary of Volatile Organic Compounds in Soil Vapor, Indoor Air and Sub-Slab Soil Vapor, Morton Village Shopping Center, 1022 Old Country Road, Plainview, New York

Sample Designation:		SV-3	SV-4	SV-5	SV-6	SV-7	SV-8	SV-8	SV-9
Sample Date:		3/22/2016	3/22/2016	11/2/2016	11/2/2016	11/4/2016	11/2/2016	11/2/2016	11/2/2016
Normal Sample or Field Duplicate:		FD	N	N	N	N	N	FD	N
Parameter	Unit								
Carbon Tetrachloride	µG/M3	4.2 U	3.15 U	1.26 U	1.26 U	111 U	2.52 U	3.15 U	1.26 U
Chlorobenzene	µG/M3	3.07 U	2.3 U	0.921 U	0.921 U	81.1 U	1.84 U	2.3 U	0.921 U
Chloroethane	µG/M3	1.76 U	1.32 U	0.528 U	0.528 U	46.4 U	1.06 U	1.32 U	0.528 U
Chloroform	µG/M3	3.26 UJV	3.57	3.59	1.41	85.9 U	1.95 U	2.44 U	0.982
Chloromethane	µG/M3	1.38 U	1.03 U	0.413 U	0.413 U	36.3 U	0.826 U	1.03 U	0.413 U
Cis-1,2-Dichloroethylene	µG/M3	11.9	16.2	2.94	78.5	1130	1.59 U	1.98 U	0.793 U
Cis-1,3-Dichloropropene	µG/M3	3.03 U	2.27 U	0.908 U	0.908 U	79.9 U	1.82 U	2.27 U	0.908 U
Cyclohexane	µG/M3	4.44 JV	1.72 U	0.73	0.688 U	60.9	1.38 U	1.72 U	1.81
Dibromochloromethane	µG/M3	5.68 U	4.26 U	1.7 U	1.7 U	150 U	3.41 U	4.26 U	1.7 U
Dichlorodifluoromethane	µG/M3	3.3 U	2.47 U	1.62	1.77	87 U	2.23	2.47 U	2.03
Ethanol	µG/M3	125	74.1	12.7	9.42 U	829 U	18.8 U	23.6 U	13.4
Ethyl Acetate	µG/M3	6.02 U	4.5 U	1.99	1.8 U	159 U	3.6 U	4.5 U	2.11
Ethylbenzene	µG/M3	2.9 U	2.17 U	6.21	3.61	76.4 U	8.12	5.52	13.1
Hexachlorobutadiene	µG/M3	7.11 U	5.33 U	2.13 U	2.13 U	188 U	4.27 U	5.33 U	2.13 U
Isopropanol	µG/M3	4.1 UJV	3.07 U	4.92	4.99	108 U	7.55 JV	3.07 JV	9
m,p-Xylene	µG/M3	5.78 UJV	5.78	29.3	16.4	153 U	35.6	26.1	58.6
Methyl Ethyl Ketone (2-Butanone)	µG/M3	4.93 U	3.69 U	4.39	2.63	130 U	4.01 JV	3.69 UJV	4.1
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	µG/M3	6.84 U	5.12 U	2.05 U	2.05 U	180 U	4.1 U	5.12 U	2.05 U
Methylene Chloride	µG/M3	5.8 U	4.34 U	1.74 U	1.74 U	153 U	3.47 U	4.34 U	1.74 U
N-Heptane	µG/M3	2.73 U	2.05 U	2.66	1.33	72.1 U	5.12 JV	2.05 UJV	4.26
N-Hexane	µG/M3	2.35 U	1.76 U	4.86	0.705 U	62 U	1.41 U	1.76 U	2.01
O-Xylene (1,2-Dimethylbenzene)	µG/M3	2.9 U	2.17 U	16.9	9.51	76.4 U	21.6	15.2	42.8
Styrene	µG/M3	2.84 U	2.13 U	0.852 U	0.852 U	74.9 U	1.7 U	2.13 U	0.903
Tert-Butyl Alcohol	µG/M3	5.06 U	3.79 U	13.6	8.79	133 U	10.8	6.94	9.19
Tert-Butyl Methyl Ether	µG/M3	2.4 U	1.8 U	0.721 U	0.721 U	63.5 U	1.44 U	1.8 U	0.721 U
Tetrachloroethylene (PCE)	µG/M3	1500	1170	4.23	314	30700	649 JV	1150 JV	342
Tetrahydrofuran	µG/M3	4.93 U	3.69 U	1.47 U	1.47 U	130 U	2.95 U	3.69 U	1.47 U
Toluene	µG/M3	2.51 UJV	3.84	10.4	6.48	66.3 U	13.9	10.4	17.8
Trans-1,2-Dichloroethene	µG/M3	2.64 U	1.98 U	0.793 U	0.987	69.8 U	1.59 U	1.98 U	0.793 U

Table 3. Summary of Volatile Organic Compounds in Soil Vapor, Indoor Air and Sub-Slab Soil Vapor, Morton Village Shopping Center, 1022 Old Country Road, Plainview, New York

Sample Designation:		SV-3	SV-4	SV-5	SV-6	SV-7	SV-8	SV-8	SV-9
Sample Date:		3/22/2016	3/22/2016	11/2/2016	11/2/2016	11/4/2016	11/2/2016	11/2/2016	11/2/2016
Normal Sample or Field Duplicate:		FD	N	N	N	N	N	FD	N
Parameter	Unit								
Trans-1,3-Dichloropropene	µG/M3	3.03 U	2.27 U	0.908 U	0.908 U	79.9 U	1.82 U	2.27 U	0.908 U
Trichloroethylene (TCE)	µG/M3	66.6	67.7	12.5	114	2600	5.75	6.99	11.2
Trichlorofluoromethane	µG/M3	3.75 U	2.81 U	1.47	1.28	98.9 U	2.25 U	2.81 U	1.47
Vinyl Bromide	µG/M3	2.92 U	2.19 U	0.874 U	0.874 U	77 U	1.75 U	2.19 U	0.874 U
Vinyl Chloride	µG/M3	1.71 U	1.28 U	0.511 U	0.511 U	45 U	1.02 U	1.28 U	0.511 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

FD - Duplicate sample

µg/m³ - Micrograms per cubic meter

Bold data indicates that parameter was detected

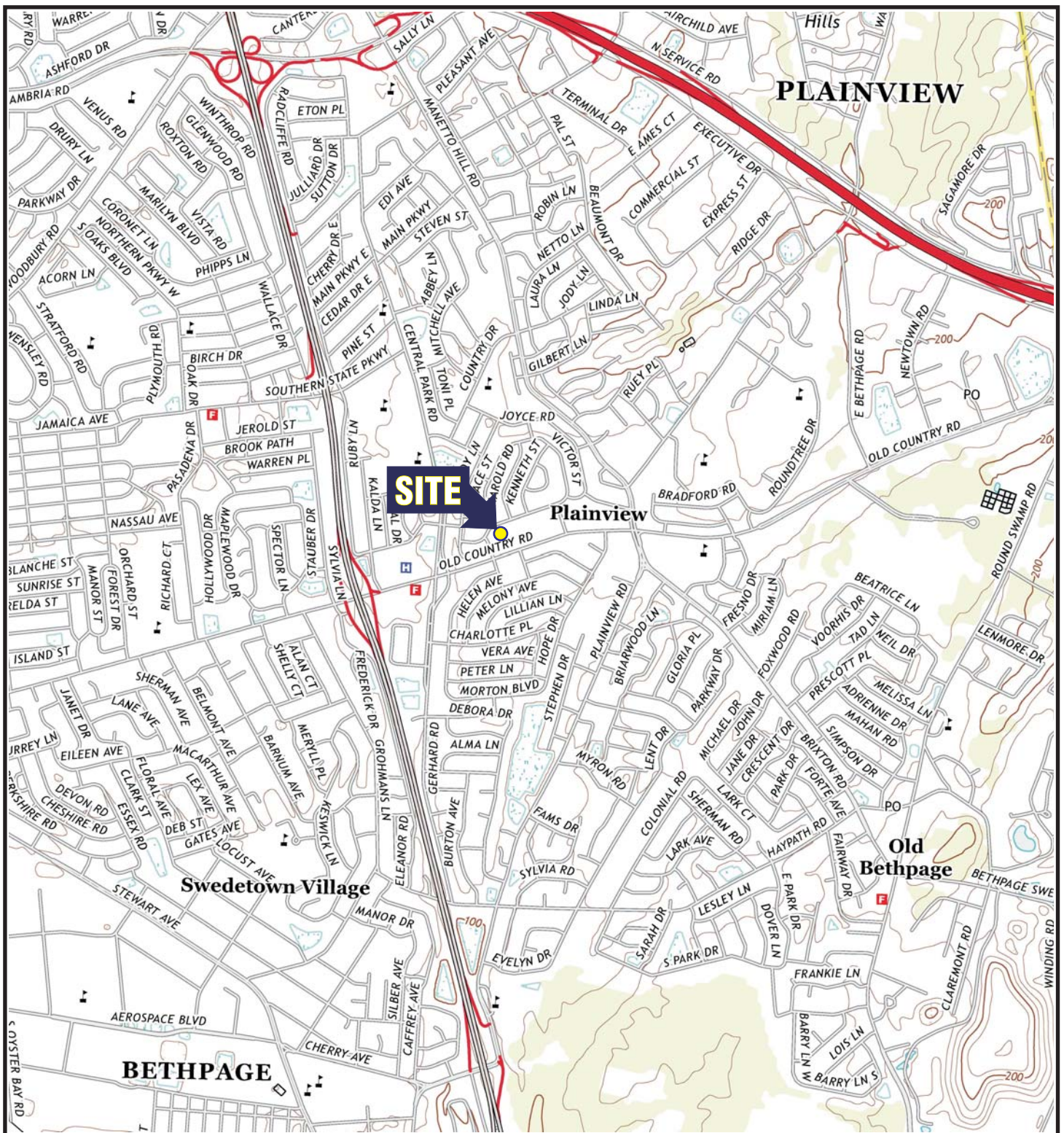
V - Value altered or qualifier added during data validation

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

Remedial Investigation Summary Report
Morton Village Shopping Center, Plainview, New York

FIGURES

1. Site Location Map
2. Sample Locations
3. Groundwater Elevations



QUADRANGLE LOCATION



SOURCE:
USGS; 2013, HUNTINGTON, NY
7.5 Minute Topographic Quadrangle



0 2000'

Title:

SITE LOCATION MAP

1022 OLD COUNTRY ROAD
PLAINVIEW, NEW YORK

Prepared for:

MORTON VILLAGE REALTY CO., INC

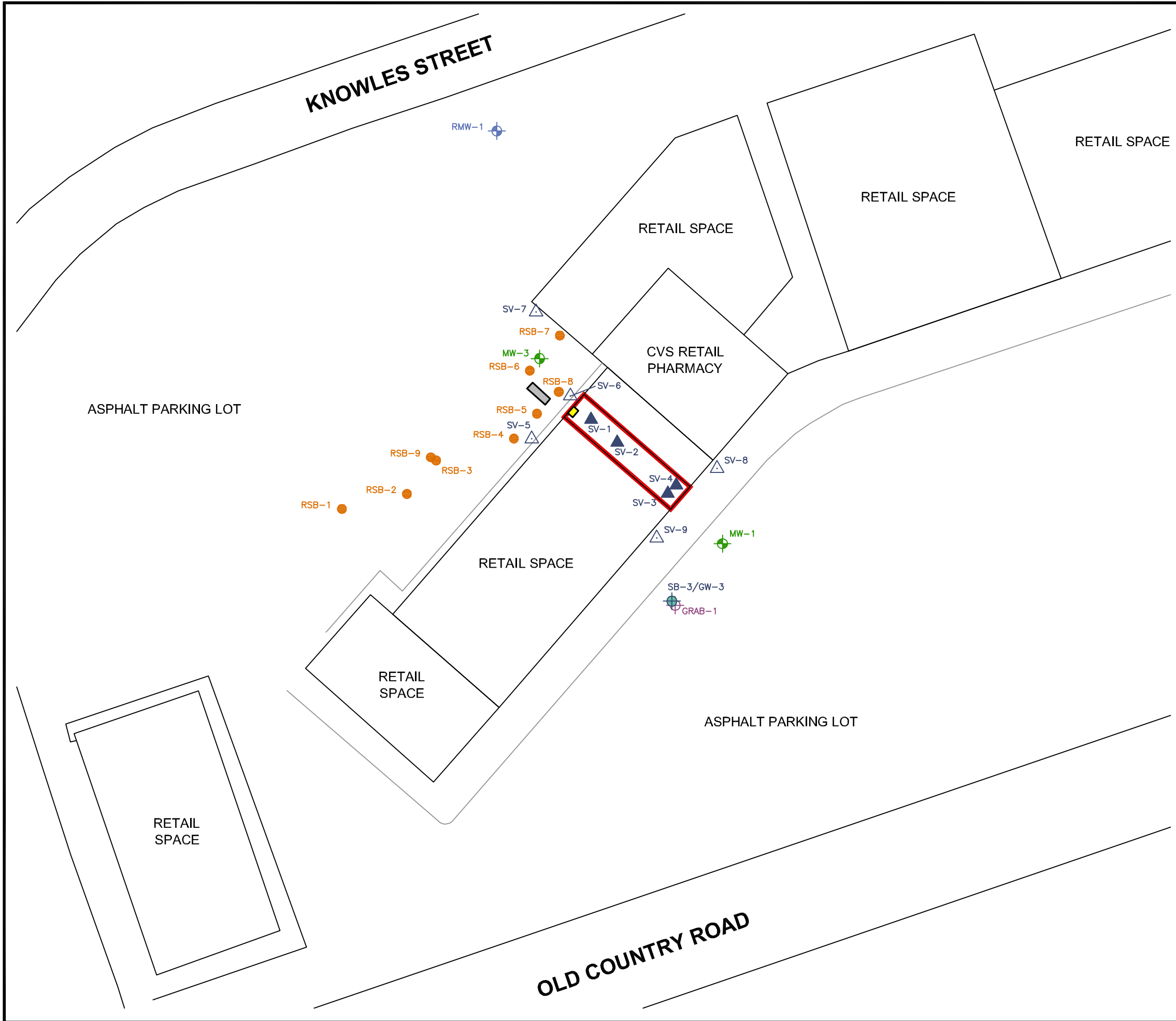
ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting
& Management

Compiled by: J.W.	Date: 05JAN14
Prepared by: J.A.D.	Scale: AS SHOWN
Project Mgr.: J.W.	Project No.: 2517.0001Y000
File: 2517.0001Y101.01.CDR	

FIGURE

1

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LEGEND

MW-1 LOCATION AND DESIGNATION OF EXISTING MONITORING WELL INSTALLED BY LEGGETTE, BRASHEARS & GRAHAM, INC IN 2007

SB-1/GW-1 LOCATION AND DESIGNATION OF SOIL BORING/GROUNDWATER GRAB SAMPLE INSTALLED BY HRP ASSOCIATES IN 2010

RSB-1 LOCATION AND DESIGNATION OF SOIL BORING

RMW-1 LOCATION AND DESIGNATION OF UP-GRADIENT MONITORING WELL

SV-1 LOCATION AND DESIGNATION OF SUB-SLAB SOIL VAPOR SAMPLE

SV-5 LOCATION AND DESIGNATION OF SOIL VAPOR MONITORING POINT

GRAB-1 LOCATION AND DESIGNATION OF GROUNDWATER GRAB SAMPLE

APPROXIMATE LOCATION OF FORMER UST

APPROXIMATE LOCATION OF FORMER SUMP

FORMER MORTON VILLAGE CLEANERS LOCATION

SOURCE OF MAP

HRP ASSOCIATES, INC
SITE CHARACTERIZATION REPORT
AUGUST 2011

50' 0 50'

Title:			
SAMPLE LOCATIONS			
1022 OLD COUNTRY ROAD PLAINVIEW, NEW YORK			
Prepared For: MORTON VILLAGE REALTY CO., INC.			
 ROUX ASSOCIATES, INC. <i>Environmental Consulting & Management</i>	Compiled by: J.W.	Date: 05DEC16	FIGURE 2
	Prepared by: J.A.D.	Scale: AS SHOWN	
	Project Mgr: J.W.	Project: 2517.0001Y000	
	File: 2517.0001Y102.01.DWG		

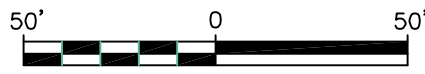
V:\CAD\PROJECTS\2517Y\0001Y\102\2517.0001Y102.01.DWG



- LEGEND
- MW-1 LOCATION AND DESIGNATION OF EXISTING MONITORING WELL INSTALLED BY LEGGETTE, BRASHEARS & GRAHAM, INC IN 2007
 - SB-1/GW-1 LOCATION AND DESIGNATION OF SOIL BORING/GROUNDWATER GRAB SAMPLE INSTALLED BY HRP ASSOCIATES IN 2010
 - RSB-1 LOCATION AND DESIGNATION OF SOIL BORING
 - RMW-1 LOCATION AND DESIGNATION OF UP-GRADIENT MONITORING WELL
 - SV-1 LOCATION AND DESIGNATION OF SUB-SLAB SOIL VAPOR SAMPLE
 - SV-5 LOCATION AND DESIGNATION OF SOIL VAPOR MONITORING POINT
 - GRAB-1 LOCATION AND DESIGNATION OF GROUNDWATER GRAB SAMPLE
 - 71.40 GROUNDWATER ELEVATION (FT AMSL)
 - INFERRED GROUNDWATER FLOW DIRECTION
 - APPROXIMATE LOCATION OF FORMER UST
 - APPROXIMATE LOCATION OF FORMER SUMP
 - FORMER MORTON VILLAGE CLEANERS LOCATION

SOURCE OF MAP

HRP ASSOCIATES, INC
SITE CHARACTERIZATION REPORT
AUGUST 2011



Title: GROUNDWATER ELEVATIONS (NOVEMBER 11, 2016) 1022 OLD COUNTRY ROAD PLAINVIEW, NEW YORK			
Prepared For: MORTON VILLAGE REALTY CO., INC.			
 ROUX ASSOCIATES, INC. <i>Environmental Consulting & Management</i>	Compiled by: J.W.	Date: 05DEC16	FIGURE 3
	Prepared by: J.A.D.	Scale: AS SHOWN	
	Project Mgr: J.W.	Project: 2517.0001Y000	
	File: 2517.0001Y102.01.DWG		

Remedial Investigation Summary Report
Morton Village Shopping Center, Plainview, New York

ATTACHMENTS

1. Laboratory Reports
2. Geophysical Survey

Remedial Investigation Summary Report
Morton Village Shopping Center, Plainview, New York

ATTACHMENT 1

Laboratory Reports



ANALYTICAL REPORT

Lab Number:	L1610842
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Jeffrey Wills
Phone:	(631) 232-2366
Project Name:	MORTON VILLAGE
Project Number:	2571.0001Y000
Report Date:	04/19/16

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: MORTON VILLAGE
Project Number: 2571.0001Y000

Lab Number: L1610842
Report Date: 04/19/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1610842-01	RSB-7 7-9'	SOIL	OLD COUNTY ROAD, PLAINVIEW	04/13/16 13:45	04/13/16
L1610842-02	RSB-6 28-30'	SOIL	OLD COUNTY ROAD, PLAINVIEW	04/13/16 15:00	04/13/16
L1610842-03	FIELD BLANK	WATER	OLD COUNTY ROAD, PLAINVIEW	04/13/16 13:50	04/13/16
L1610842-04	TRIP BLANK	WATER	OLD COUNTY ROAD, PLAINVIEW	04/13/16 00:00	04/13/16

Project Name: MORTON VILLAGE
Project Number: 2571.0001Y000

Lab Number: L1610842
Report Date: 04/19/16

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name: MORTON VILLAGE
Project Number: 2571.0001Y000

Lab Number: L1610842
Report Date: 04/19/16

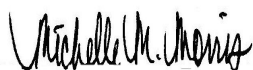
Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

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

Authorized Signature:



Michelle M. Morris

Title: Technical Director/Representative

Date: 04/19/16

ORGANICS

VOLATILES

Project Name: MORTON VILLAGE

Lab Number: L1610842

Project Number: 2571.0001Y000

Report Date: 04/19/16

SAMPLE RESULTS

Lab ID: L1610842-01
 Client ID: RSB-7 7-9'
 Sample Location: OLD COUNTY ROAD, PLAINVIEW
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 04/18/16 12:04
 Analyst: MV
 Percent Solids: 97%

Date Collected: 04/13/16 13:45
 Date Received: 04/13/16
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.6	0.16	1
Bromoform	ND		ug/kg	4.5	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.6	0.33	1
Bromomethane	ND		ug/kg	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.17	1

Project Name: MORTON VILLAGE

Lab Number: L1610842

Project Number: 2571.0001Y000

Report Date: 04/19/16

SAMPLE RESULTS

Lab ID: L1610842-01

Date Collected: 04/13/16 13:45

Client ID: RSB-7 7-9'

Date Received: 04/13/16

Sample Location: OLD COUNTY ROAD, PLAINVIEW

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
Xylenes, Total	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.45	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	4.8	J	ug/kg	11	1.2	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.30	1
Vinyl acetate	ND		ug/kg	11	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.74	1
Bromochloromethane	ND		ug/kg	5.6	0.31	1
2,2-Dichloropropane	ND		ug/kg	5.6	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.6	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.6	0.15	1
o-Chlorotoluene	ND		ug/kg	5.6	0.18	1
p-Chlorotoluene	ND		ug/kg	5.6	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.44	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.26	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.6	0.15	1
Acrylonitrile	ND		ug/kg	11	0.58	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.16	1

Project Name: MORTON VILLAGE

Lab Number: L1610842

Project Number: 2571.0001Y000

Report Date: 04/19/16

SAMPLE RESULTS

Lab ID: L1610842-01

Date Collected: 04/13/16 13:45

Client ID: RSB-7 7-9'

Date Received: 04/13/16

Sample Location: OLD COUNTY ROAD, PLAINVIEW

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	ND		ug/kg	4.5	0.18	1
p-Ethyltoluene	ND		ug/kg	4.5	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.5	0.14	1
Ethyl ether	ND		ug/kg	5.6	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	0.44	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	102		70-130

Project Name: MORTON VILLAGE**Lab Number:** L1610842**Project Number:** 2571.0001Y000**Report Date:** 04/19/16**SAMPLE RESULTS**

Lab ID: L1610842-02
Client ID: RSB-6 28-30'
Sample Location: OLD COUNTY ROAD, PLAINVIEW
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/18/16 12:30
Analyst: MV
Percent Solids: 84%

Date Collected: 04/13/16 15:00
Date Received: 04/13/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	1.6	1
1,1-Dichloroethane	ND		ug/kg	2.2	0.12	1
Chloroform	ND		ug/kg	2.2	0.54	1
Carbon tetrachloride	ND		ug/kg	1.4	0.30	1
1,2-Dichloropropane	ND		ug/kg	5.1	0.33	1
Dibromochloromethane	ND		ug/kg	1.4	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	2.2	0.44	1
Tetrachloroethene	4.6		ug/kg	1.4	0.20	1
Chlorobenzene	ND		ug/kg	1.4	0.50	1
Trichlorofluoromethane	ND		ug/kg	7.2	0.56	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.16	1
Bromodichloromethane	ND		ug/kg	1.4	0.25	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	1.4	0.17	1
1,1-Dichloropropene	ND		ug/kg	7.2	0.20	1
Bromoform	ND		ug/kg	5.8	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.14	1
Benzene	ND		ug/kg	1.4	0.17	1
Toluene	ND		ug/kg	2.2	0.28	1
Ethylbenzene	ND		ug/kg	1.4	0.18	1
Chloromethane	ND		ug/kg	7.2	0.42	1
Bromomethane	ND		ug/kg	2.9	0.49	1
Vinyl chloride	ND		ug/kg	2.9	0.17	1
Chloroethane	ND		ug/kg	2.9	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.38	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.31	1
Trichloroethene	ND		ug/kg	1.4	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	7.2	0.22	1

Project Name: MORTON VILLAGE

Lab Number: L1610842

Project Number: 2571.0001Y000

Report Date: 04/19/16

SAMPLE RESULTS

Lab ID: L1610842-02

Date Collected: 04/13/16 15:00

Client ID: RSB-6 28-30'

Date Received: 04/13/16

Sample Location: OLD COUNTY ROAD, PLAINVIEW

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	7.2	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	7.2	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.9	0.12	1
p/m-Xylene	ND		ug/kg	2.9	0.29	1
o-Xylene	ND		ug/kg	2.9	0.25	1
Xylenes, Total	ND		ug/kg	2.9	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.21	1
Dibromomethane	ND		ug/kg	14	0.24	1
Styrene	ND		ug/kg	2.9	0.58	1
Dichlorodifluoromethane	ND		ug/kg	14	0.28	1
Acetone	4.4	J	ug/kg	14	1.5	1
Carbon disulfide	ND		ug/kg	14	1.6	1
2-Butanone	ND		ug/kg	14	0.39	1
Vinyl acetate	ND		ug/kg	14	0.19	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.35	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.24	1
2-Hexanone	ND		ug/kg	14	0.96	1
Bromochloromethane	ND		ug/kg	7.2	0.40	1
2,2-Dichloropropane	ND		ug/kg	7.2	0.33	1
1,2-Dibromoethane	ND		ug/kg	5.8	0.25	1
1,3-Dichloropropane	ND		ug/kg	7.2	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.46	1
Bromobenzene	ND		ug/kg	7.2	0.30	1
n-Butylbenzene	ND		ug/kg	1.4	0.17	1
sec-Butylbenzene	ND		ug/kg	1.4	0.18	1
tert-Butylbenzene	ND		ug/kg	7.2	0.20	1
o-Chlorotoluene	ND		ug/kg	7.2	0.23	1
p-Chlorotoluene	ND		ug/kg	7.2	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.2	0.57	1
Hexachlorobutadiene	ND		ug/kg	7.2	0.33	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.18	1
Naphthalene	ND		ug/kg	7.2	0.20	1
Acrylonitrile	ND		ug/kg	14	0.74	1
n-Propylbenzene	ND		ug/kg	1.4	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.2	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.2	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.2	0.21	1

Project Name: MORTON VILLAGE

Lab Number: L1610842

Project Number: 2571.0001Y000

Report Date: 04/19/16

SAMPLE RESULTS

Lab ID: L1610842-02

Date Collected: 04/13/16 15:00

Client ID: RSB-6 28-30'

Date Received: 04/13/16

Sample Location: OLD COUNTY ROAD, PLAINVIEW

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	7.2	0.20	1
1,4-Dioxane	ND		ug/kg	140	21.	1
p-Diethylbenzene	ND		ug/kg	5.8	0.23	1
p-Ethyltoluene	ND		ug/kg	5.8	0.18	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.8	0.19	1
Ethyl ether	ND		ug/kg	7.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.2	0.57	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	103		70-130

Project Name: MORTON VILLAGE

Lab Number: L1610842

Project Number: 2571.0001Y000

Report Date: 04/19/16

SAMPLE RESULTS

Lab ID: L1610842-03
 Client ID: FIELD BLANK
 Sample Location: OLD COUNTY ROAD, PLAINVIEW
 Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 04/17/16 00:20
 Analyst: PD

Date Collected: 04/13/16 13:50
 Date Received: 04/13/16
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE

Lab Number: L1610842

Project Number: 2571.0001Y000

Report Date: 04/19/16

SAMPLE RESULTS

Lab ID: L1610842-03
 Client ID: FIELD BLANK
 Sample Location: OLD COUNTY ROAD, PLAINVIEW

Date Collected: 04/13/16 13:50
 Date Received: 04/13/16
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE

Lab Number: L1610842

Project Number: 2571.0001Y000

Report Date: 04/19/16

SAMPLE RESULTS

Lab ID: L1610842-03

Date Collected: 04/13/16 13:50

Client ID: FIELD BLANK

Date Received: 04/13/16

Sample Location: OLD COUNTY ROAD, PLAINVIEW

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	97		70-130

Project Name: MORTON VILLAGE**Lab Number:** L1610842**Project Number:** 2571.0001Y000**Report Date:** 04/19/16**SAMPLE RESULTS**

Lab ID: L1610842-04
Client ID: TRIP BLANK
Sample Location: OLD COUNTY ROAD, PLAINVIEW
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/17/16 00:52
Analyst: PD

Date Collected: 04/13/16 00:00
Date Received: 04/13/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE

Lab Number: L1610842

Project Number: 2571.0001Y000

Report Date: 04/19/16

SAMPLE RESULTS

Lab ID: L1610842-04

Date Collected: 04/13/16 00:00

Client ID: TRIP BLANK

Date Received: 04/13/16

Sample Location: OLD COUNTY ROAD, PLAINVIEW

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE**Lab Number:** L1610842**Project Number:** 2571.0001Y000**Report Date:** 04/19/16**SAMPLE RESULTS****Lab ID:** L1610842-04**Date Collected:** 04/13/16 00:00**Client ID:** TRIP BLANK**Date Received:** 04/13/16**Sample Location:** OLD COUNTY ROAD, PLAINVIEW**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	95		70-130

Project Name: MORTON VILLAGE

Lab Number: L1610842

Project Number: 2571.0001Y000

Report Date: 04/19/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/16/16 21:39
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG884476-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: MORTON VILLAGE

Lab Number: L1610842

Project Number: 2571.0001Y000

Report Date: 04/19/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/16/16 21:39
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG884476-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: MORTON VILLAGE

Lab Number: L1610842

Project Number: 2571.0001Y000

Report Date: 04/19/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/16/16 21:39
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG884476-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	96		70-130

Project Name: MORTON VILLAGE

Lab Number: L1610842

Project Number: 2571.0001Y000

Report Date: 04/19/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/18/16 10:45
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG884686-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.23	J	ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	0.74	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12

Project Name: MORTON VILLAGE

Lab Number: L1610842

Project Number: 2571.0001Y000

Report Date: 04/19/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/18/16 10:45
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG884686-3					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	2.2	J	ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	0.94	J	ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16

Project Name: MORTON VILLAGE

Lab Number: L1610842

Project Number: 2571.0001Y000

Report Date: 04/19/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/18/16 10:45
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG884686-3					
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,4-Dioxane	ND		ug/kg	100	14.
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2571.0001Y000

Lab Number: L1610842

Report Date: 04/19/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG884476-1 WG884476-2								
Methylene chloride	99		90		70-130	10		20
1,1-Dichloroethane	100		88		70-130	13		20
Chloroform	105		92		70-130	13		20
2-Chloroethylvinyl ether	53	Q	95		70-130	57	Q	20
Carbon tetrachloride	108		96		63-132	12		20
1,2-Dichloropropane	97		87		70-130	11		20
Dibromochloromethane	106		91		63-130	15		20
1,1,2-Trichloroethane	100		88		70-130	13		20
Tetrachloroethene	106		92		70-130	14		20
Chlorobenzene	102		89		75-130	14		20
Trichlorofluoromethane	102		90		62-150	13		20
1,2-Dichloroethane	98		88		70-130	11		20
1,1,1-Trichloroethane	111		99		67-130	11		20
Bromodichloromethane	110		97		67-130	13		20
trans-1,3-Dichloropropene	112		95		70-130	16		20
cis-1,3-Dichloropropene	109		94		70-130	15		20
1,1-Dichloropropene	102		88		70-130	15		20
Bromoform	109		100		54-136	9		20
1,1,2,2-Tetrachloroethane	92		84		67-130	9		20
Benzene	100		89		70-130	12		20
Toluene	102		90		70-130	13		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2571.0001Y000

Lab Number: L1610842

Report Date: 04/19/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG884476-1 WG884476-2								
Ethylbenzene	106		92		70-130	14		20
Chloromethane	62	Q	63	Q	64-130	2		20
Bromomethane	79		66		39-139	18		20
Vinyl chloride	103		87		55-140	17		20
Chloroethane	100		92		55-138	8		20
1,1-Dichloroethene	102		85		61-145	18		20
trans-1,2-Dichloroethene	105		90		70-130	15		20
Trichloroethene	103		90		70-130	13		20
1,2-Dichlorobenzene	98		90		70-130	9		20
1,3-Dichlorobenzene	100		91		70-130	9		20
1,4-Dichlorobenzene	100		89		70-130	12		20
Methyl tert butyl ether	92		81		63-130	13		20
p/m-Xylene	106		92		70-130	14		20
o-Xylene	104		92		70-130	12		20
cis-1,2-Dichloroethene	103		91		70-130	12		20
Dibromomethane	96		86		70-130	11		20
1,2,3-Trichloropropane	90		82		64-130	9		20
Acrylonitrile	94		80		70-130	16		20
Isopropyl Ether	94		84		70-130	11		20
tert-Butyl Alcohol	90		88		70-130	2		20
Styrene	108		96		70-130	12		20

Lab Control Sample Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2571.0001Y000

Lab Number: L1610842

Report Date: 04/19/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG884476-1 WG884476-2								
Dichlorodifluoromethane	85		74		36-147	14		20
Acetone	86		76		58-148	12		20
Carbon disulfide	92		78		51-130	16		20
2-Butanone	81		73		63-138	10		20
Vinyl acetate	105		92		70-130	13		20
4-Methyl-2-pentanone	91		81		59-130	12		20
2-Hexanone	87		75		57-130	15		20
Acrolein	120		109		40-160	10		20
Bromochloromethane	113		101		70-130	11		20
2,2-Dichloropropane	109		93		63-133	16		20
1,2-Dibromoethane	100		88		70-130	13		20
1,3-Dichloropropane	98		86		70-130	13		20
1,1,1,2-Tetrachloroethane	115		101		64-130	13		20
Bromobenzene	100		92		70-130	8		20
n-Butylbenzene	107		92		53-136	15		20
sec-Butylbenzene	107		91		70-130	16		20
tert-Butylbenzene	103		90		70-130	13		20
o-Chlorotoluene	100		89		70-130	12		20
p-Chlorotoluene	99		91		70-130	8		20
1,2-Dibromo-3-chloropropane	102		94		41-144	8		20
Hexachlorobutadiene	99		86		63-130	14		20

Lab Control Sample Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2571.0001Y000

Lab Number: L1610842

Report Date: 04/19/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG884476-1 WG884476-2								
Isopropylbenzene	106		91		70-130	15		20
p-Isopropyltoluene	105		91		70-130	14		20
Naphthalene	88		79		70-130	11		20
n-Propylbenzene	105		92		69-130	13		20
1,2,3-Trichlorobenzene	94		82		70-130	14		20
1,2,4-Trichlorobenzene	101		88		70-130	14		20
1,3,5-Trimethylbenzene	102		91		64-130	11		20
1,2,4-Trimethylbenzene	102		91		70-130	11		20
Methyl Acetate	91		81		70-130	12		20
Ethyl Acetate	83		74		70-130	11		20
Cyclohexane	96		83		70-130	15		20
Ethyl-Tert-Butyl-Ether	92		81		70-130	13		20
Tertiary-Amyl Methyl Ether	90		80		66-130	12		20
1,4-Dioxane	99		81		56-162	20		20
Freon-113	101		91		70-130	10		20
1,4-Diethylbenzene	100		87		70-130	14		20
4-Ethyltoluene	106		93		70-130	13		20
1,2,4,5-Tetramethylbenzene	109		95		70-130	14		20
Ethyl ether	107		94		59-134	13		20
trans-1,4-Dichloro-2-butene	103		88		70-130	16		20
Iodomethane	31	Q	36	Q	70-130	15		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2571.0001Y000

Lab Number: L1610842

Report Date: 04/19/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG884476-1 WG884476-2								
Methyl cyclohexane	100		86		70-130	15		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		96		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MORTON VILLAGE

Project Number: 2571.0001Y000

Lab Number: L1610842

Report Date: 04/19/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG884686-1 WG884686-2								
Methylene chloride	118		114		70-130	3		30
1,1-Dichloroethane	108		103		70-130	5		30
Chloroform	111		107		70-130	4		30
Carbon tetrachloride	112		106		70-130	6		30
1,2-Dichloropropane	111		106		70-130	5		30
Dibromochloromethane	97		97		70-130	0		30
2-Chloroethylvinyl ether	111		110		70-130	1		30
1,1,2-Trichloroethane	98		98		70-130	0		30
Tetrachloroethene	106		99		70-130	7		30
Chlorobenzene	99		95		70-130	4		30
Trichlorofluoromethane	134		121		70-139	10		30
1,2-Dichloroethane	111		108		70-130	3		30
1,1,1-Trichloroethane	110		104		70-130	6		30
Bromodichloromethane	107		106		70-130	1		30
trans-1,3-Dichloropropene	93		93		70-130	0		30
cis-1,3-Dichloropropene	111		110		70-130	1		30
1,1-Dichloropropene	113		105		70-130	7		30
Bromoform	89		91		70-130	2		30
1,1,2,2-Tetrachloroethane	86		86		70-130	0		30
Benzene	110		105		70-130	5		30
Toluene	95		90		70-130	5		30

Lab Control Sample Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2571.0001Y000

Lab Number: L1610842

Report Date: 04/19/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG884686-1 WG884686-2								
Ethylbenzene	95		90		70-130	5		30
Chloromethane	112		105		52-130	6		30
Bromomethane	118		108		57-147	9		30
Vinyl chloride	108		99		67-130	9		30
Chloroethane	137		123		50-151	11		30
1,1-Dichloroethene	114		104		65-135	9		30
trans-1,2-Dichloroethene	112		104		70-130	7		30
Trichloroethene	112		104		70-130	7		30
1,2-Dichlorobenzene	94		92		70-130	2		30
1,3-Dichlorobenzene	94		90		70-130	4		30
1,4-Dichlorobenzene	93		90		70-130	3		30
Methyl tert butyl ether	112		111		66-130	1		30
p/m-Xylene	98		93		70-130	5		30
o-Xylene	97		93		70-130	4		30
cis-1,2-Dichloroethene	113		108		70-130	5		30
Dibromomethane	117		116		70-130	1		30
Styrene	99		96		70-130	3		30
Dichlorodifluoromethane	119		106		30-146	12		30
Acetone	111		112		54-140	1		30
Carbon disulfide	105		113		59-130	7		30
2-Butanone	105		106		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MORTON VILLAGE

Project Number: 2571.0001Y000

Lab Number: L1610842

Report Date: 04/19/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG884686-1 WG884686-2								
Vinyl acetate	110		111		70-130	1		30
4-Methyl-2-pentanone	103		105		70-130	2		30
1,2,3-Trichloropropane	85		87		68-130	2		30
2-Hexanone	90		95		70-130	5		30
Bromochloromethane	128		125		70-130	2		30
2,2-Dichloropropane	107		100		70-130	7		30
1,2-Dibromoethane	100		101		70-130	1		30
1,3-Dichloropropane	98		97		69-130	1		30
1,1,1,2-Tetrachloroethane	99		98		70-130	1		30
Bromobenzene	95		91		70-130	4		30
n-Butylbenzene	86		81		70-130	6		30
sec-Butylbenzene	89		83		70-130	7		30
tert-Butylbenzene	90		84		70-130	7		30
o-Chlorotoluene	88		83		70-130	6		30
p-Chlorotoluene	88		83		70-130	6		30
1,2-Dibromo-3-chloropropane	89		93		68-130	4		30
Hexachlorobutadiene	94		90		67-130	4		30
Isopropylbenzene	89		82		70-130	8		30
p-Isopropyltoluene	92		86		70-130	7		30
Naphthalene	97		96		70-130	1		30
Acrylonitrile	111		112		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2571.0001Y000

Lab Number: L1610842

Report Date: 04/19/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG884686-1 WG884686-2								
Isopropyl Ether	107		105		66-130	2		30
tert-Butyl Alcohol	104		110		70-130	6		30
n-Propylbenzene	89		82		70-130	8		30
1,2,3-Trichlorobenzene	102		98		70-130	4		30
1,2,4-Trichlorobenzene	99		94		70-130	5		30
1,3,5-Trimethylbenzene	90		84		70-130	7		30
1,2,4-Trimethylbenzene	90		85		70-130	6		30
Methyl Acetate	112		114		51-146	2		30
Ethyl Acetate	108		113		70-130	5		30
Acrolein	130		134	Q	70-130	3		30
Cyclohexane	110		101		59-142	9		30
1,4-Dioxane	118		122		65-136	3		30
Freon-113	118		107		50-139	10		30
1,4-Diethylbenzene	87		82		70-130	6		30
4-Ethyltoluene	85		79		70-130	7		30
1,2,4,5-Tetramethylbenzene	89		86		70-130	3		30
Tetrahydrofuran	113		117		66-130	3		30
Ethyl ether	95		92		67-130	3		30
trans-1,4-Dichloro-2-butene	80		82		70-130	2		30
Methyl cyclohexane	111		101		70-130	9		30
Ethyl-Tert-Butyl-Ether	108		105		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Lab Number: L1610842

Project Number: 2571.0001Y000

Report Date: 04/19/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG884686-1 WG884686-2								
Tertiary-Amyl Methyl Ether	108		107		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		92		70-130
Toluene-d8	88		88		70-130
4-Bromofluorobenzene	90		89		70-130
Dibromofluoromethane	103		104		70-130

INORGANICS & MISCELLANEOUS

Project Name: MORTON VILLAGE

Lab Number: L1610842

Project Number: 2571.0001Y000

Report Date: 04/19/16

SAMPLE RESULTS

Lab ID: L1610842-01

Date Collected: 04/13/16 13:45

Client ID: RSB-7 7-9'

Date Received: 04/13/16

Sample Location: OLD COUNTY ROAD, PLAINVIEW

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.1		%	0.100	NA	1	-	04/14/16 12:52	121,2540G	RI



Project Name: MORTON VILLAGE**Project Number:** 2571.0001Y000**Lab Number:** L1610842**Report Date:** 04/19/16**SAMPLE RESULTS****Lab ID:** L1610842-02**Client ID:** RSB-6 28-30'**Sample Location:** OLD COUNTY ROAD, PLAINVIEW**Matrix:** Soil**Date Collected:** 04/13/16 15:00**Date Received:** 04/13/16**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.3		%	0.100	NA	1	-	04/14/16 12:52	121,2540G	RI



Lab Duplicate Analysis
Batch Quality Control**Project Name:** MORTON VILLAGE**Project Number:** 2571.0001Y000**Lab Number:** L1610842**Report Date:** 04/19/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG883689-1 QC Sample: L1610786-01 Client ID: DUP Sample						
Solids, Total	78.7	78.1	%	1		20

Project Name: MORTON VILLAGE

Lab Number: L1610842

Project Number: 2571.0001Y000

Report Date: 04/19/16

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Reagent H2O Preserved Vials Frozen on: 14-APR-16 05:47

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1610842-01A	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1610842-01B	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1610842-01C	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1610842-01D	Plastic 2oz unpreserved for TS	A	N/A	2.1	Y	Absent	TS(7)
L1610842-01X	Vial MeOH preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1610842-01Y	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1610842-01Z	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1610842-02A	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1610842-02B	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1610842-02C	5 gram Encore Sampler	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(2)
L1610842-02D	Plastic 2oz unpreserved for TS	A	N/A	2.1	Y	Absent	TS(7)
L1610842-02X	Vial MeOH preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1610842-02Y	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1610842-02Z	Vial Water preserved split	A	N/A	2.1	Y	Absent	NYTCL-8260HLW(14)
L1610842-03A	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260(14)
L1610842-03B	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260(14)
L1610842-03C	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260(14)
L1610842-04A	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260(14)
L1610842-04B	Vial HCl preserved	A	N/A	2.1	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: MORTON VILLAGE
Project Number: 2571.0001Y000

Lab Number: L1610842
Report Date: 04/19/16

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

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

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers



Project Name: MORTON VILLAGE
Project Number: 2571.0001Y000

Lab Number: L1610842
Report Date: 04/19/16

Data Qualifiers

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: MORTON VILLAGE
Project Number: 2571.0001Y000

Lab Number: L1610842
Report Date: 04/19/16

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 524.2: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene

EPA 624: 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene

EPA 625: Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.

EPA 1010A: NPW: Ignitability

EPA 6010C: NPW: Strontium; SCM: Strontium

EPA 8151A: NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene, Isopropanol; SCM: Iodomethane (methyl iodide), Methyl methacrylate (soil); 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 9010: NPW: Amenable Cyanide Distillation, Total Cyanide Distillation

EPA 9038: NPW: Sulfate

EPA 9050A: NPW: Specific Conductance

EPA 9056: NPW: Chloride, Nitrate, Sulfate

EPA 9065: NPW: Phenols

EPA 9251: NPW: Chloride

SM3500: NPW: Ferrous Iron

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.

SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility

EPA 8270D: NPW: Biphenyl; SCM: Biphenyl, Caprolactam

EPA 8270D-SIM Isotope Dilution: SCM: 1,4-Dioxane

SM 2540D: TSS

SM2540G: SCM: Percent Solids

EPA 1631E: SCM: Mercury

EPA 7474: SCM: Mercury

EPA 8081B: NPW and SCM: Mirex, Hexachlorobenzene.

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA 8270-SIM: NPW and SCM: Alkylated PAHs.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene, n-Butylbenzene, n-Propylbenzene, sec-Butylbenzene, tert-Butylbenzene.

Biological Tissue Matrix: **8270D-SIM; 3050B; 3051A; 7471B; 8081B; 8082A; 6020A:** Lead; **8270D:** bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Fluoranthene, Pentachlorophenol.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Ti; **EPA 200.7:** Ba, Be, Ca, Cd, Cr, Cu, Na; **EPA 245.1:** Mercury;

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO₃-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1,**

SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Ti, Zn;

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, Ti, Tl, V, Zn;

EPA 245.1, SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH₃-BH, EPA

350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO₃-F,**

EPA 353.2: Nitrate-N, **SM4500NH₃-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D,**

EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.**

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

[illegible]



ANALYTICAL REPORT

Lab Number:	L1611012
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Jeffrey Wills
Phone:	(631) 232-2366
Project Name:	MORTON VILLAGE
Project Number:	2517.0001Y000
Report Date:	04/20/16

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1611012
Report Date: 04/20/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1611012-01	RSB-5 28-30'	SOIL	1022 OLD COUNTRY RD., PLAINVIEW, NY	04/14/16 08:15	04/14/16
L1611012-02	RSB-4 28-30'	SOIL	1022 OLD COUNTRY RD., PLAINVIEW, NY	04/14/16 10:00	04/14/16
L1611012-03	RSB-3 28-30'	SOIL	1022 OLD COUNTRY RD., PLAINVIEW, NY	04/14/16 11:15	04/14/16
L1611012-04	RSB-2 28-30'	SOIL	1022 OLD COUNTRY RD., PLAINVIEW, NY	04/14/16 12:30	04/14/16
L1611012-05	RSB-1 28-30'	SOIL	1022 OLD COUNTRY RD., PLAINVIEW, NY	04/14/16 14:45	04/14/16
L1611012-06	DUP041416	SOIL	1022 OLD COUNTRY RD., PLAINVIEW, NY	04/14/16 14:50	04/14/16
L1611012-07	FIELD BLANK	WATER	1022 OLD COUNTRY RD., PLAINVIEW, NY	04/14/16 15:00	04/14/16
L1611012-08	TRIP BLANK	WATER	1022 OLD COUNTRY RD., PLAINVIEW, NY	04/14/16 00:00	04/14/16

Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1611012
Report Date: 04/20/16

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1611012
Report Date: 04/20/16

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

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

Authorized Signature:



Cristin Walker

Title: Technical Director/Representative

Date: 04/20/16

ORGANICS

VOLATILES

Project Name: MORTON VILLAGE**Lab Number:** L1611012**Project Number:** 2517.0001Y000**Report Date:** 04/20/16**SAMPLE RESULTS**

Lab ID: L1611012-01
Client ID: RSB-5 28-30'
Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/18/16 18:40
Analyst: MV
Percent Solids: 85%

Date Collected: 04/14/16 08:15
Date Received: 04/14/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	2.0		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.35	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

SAMPLE RESULTS

Lab ID: L1611012-01

Date Collected: 04/14/16 08:15

Client ID: RSB-5 28-30'

Date Received: 04/14/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylenes, Total	ND		ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	2.7	J	ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	1.8	J	ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.53	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: MORTON VILLAGE**Lab Number:** L1611012**Project Number:** 2517.0001Y000**Report Date:** 04/20/16**SAMPLE RESULTS****Lab ID:** L1611012-01**Date Collected:** 04/14/16 08:15**Client ID:** RSB-5 28-30'**Date Received:** 04/14/16**Sample Location:** 1022 OLD COUNTRY RD., PLAINVIEW, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	101		70-130

Project Name: MORTON VILLAGE**Lab Number:** L1611012**Project Number:** 2517.0001Y000**Report Date:** 04/20/16**SAMPLE RESULTS**

Lab ID: L1611012-02
Client ID: RSB-4 28-30'
Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/18/16 19:06
Analyst: MV
Percent Solids: 80%

Date Collected: 04/14/16 10:00
Date Received: 04/14/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	3.2		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.7	0.16	1
Bromoform	ND		ug/kg	4.5	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.7	0.33	1
Bromomethane	ND		ug/kg	2.3	0.38	1
Vinyl chloride	ND		ug/kg	2.3	0.13	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.17	1

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

SAMPLE RESULTS

Lab ID: L1611012-02

Date Collected: 04/14/16 10:00

Client ID: RSB-4 28-30'

Date Received: 04/14/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.22	1
o-Xylene	ND		ug/kg	2.3	0.20	1
Xylenes, Total	ND		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	11	0.22	1
Acetone	2.7	J	ug/kg	11	1.2	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	1.6	J	ug/kg	11	0.31	1
Vinyl acetate	ND		ug/kg	11	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.76	1
Bromochloromethane	ND		ug/kg	5.7	0.31	1
2,2-Dichloropropane	ND		ug/kg	5.7	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.7	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.7	0.24	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.7	0.15	1
o-Chlorotoluene	ND		ug/kg	5.7	0.18	1
p-Chlorotoluene	ND		ug/kg	5.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.45	1
Hexachlorobutadiene	ND		ug/kg	5.7	0.26	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.7	0.16	1
Acrylonitrile	ND		ug/kg	11	0.58	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.16	1

Project Name: MORTON VILLAGE**Lab Number:** L1611012**Project Number:** 2517.0001Y000**Report Date:** 04/20/16**SAMPLE RESULTS****Lab ID:** L1611012-02**Date Collected:** 04/14/16 10:00**Client ID:** RSB-4 28-30'**Date Received:** 04/14/16**Sample Location:** 1022 OLD COUNTRY RD., PLAINVIEW, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	ND		ug/kg	4.5	0.18	1
p-Ethyltoluene	ND		ug/kg	4.5	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.5	0.15	1
Ethyl ether	ND		ug/kg	5.7	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	0.44	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	101		70-130

Project Name: MORTON VILLAGE**Lab Number:** L1611012**Project Number:** 2517.0001Y000**Report Date:** 04/20/16**SAMPLE RESULTS**

Lab ID: L1611012-03
Client ID: RSB-3 28-30'
Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/18/16 19:33
Analyst: MV
Percent Solids: 91%

Date Collected: 04/14/16 11:15
Date Received: 04/14/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.17	1
Bromoform	ND		ug/kg	4.8	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	6.0	0.35	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.18	1

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

SAMPLE RESULTS

Lab ID: L1611012-03

Date Collected: 04/14/16 11:15

Client ID: RSB-3 28-30'

Date Received: 04/14/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.24	1
o-Xylene	ND		ug/kg	2.4	0.20	1
Xylenes, Total	ND		ug/kg	2.4	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.4	0.48	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	2.4	J	ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	1.5	J	ug/kg	12	0.32	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.19	1
2-Hexanone	ND		ug/kg	12	0.79	1
Bromochloromethane	ND		ug/kg	6.0	0.33	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.21	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	6.0	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.14	1
tert-Butylbenzene	ND		ug/kg	6.0	0.16	1
o-Chlorotoluene	ND		ug/kg	6.0	0.19	1
p-Chlorotoluene	ND		ug/kg	6.0	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	0.47	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.27	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
Naphthalene	ND		ug/kg	6.0	0.16	1
Acrylonitrile	ND		ug/kg	12	0.61	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.17	1

Project Name: MORTON VILLAGE**Lab Number:** L1611012**Project Number:** 2517.0001Y000**Report Date:** 04/20/16**SAMPLE RESULTS****Lab ID:** L1611012-03**Date Collected:** 04/14/16 11:15**Client ID:** RSB-3 28-30'**Date Received:** 04/14/16**Sample Location:** 1022 OLD COUNTRY RD., PLAINVIEW, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.17	1
1,4-Dioxane	ND		ug/kg	120	17.	1
p-Diethylbenzene	ND		ug/kg	4.8	0.19	1
p-Ethyltoluene	ND		ug/kg	4.8	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.16	1
Ethyl ether	ND		ug/kg	6.0	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	0.47	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	102		70-130

Project Name: MORTON VILLAGE**Lab Number:** L1611012**Project Number:** 2517.0001Y000**Report Date:** 04/20/16**SAMPLE RESULTS**

Lab ID: L1611012-04
Client ID: RSB-2 28-30'
Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/18/16 19:59
Analyst: MV
Percent Solids: 86%

Date Collected: 04/14/16 12:30
Date Received: 04/14/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.11	1
Chloroform	ND		ug/kg	1.9	0.47	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.39	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.44	1
Trichlorofluoromethane	ND		ug/kg	6.3	0.49	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	1.3	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.3	0.18	1
Bromoform	ND		ug/kg	5.1	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.13	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	ND		ug/kg	1.9	0.25	1
Ethylbenzene	ND		ug/kg	1.3	0.16	1
Chloromethane	ND		ug/kg	6.3	0.37	1
Bromomethane	ND		ug/kg	2.5	0.43	1
Vinyl chloride	ND		ug/kg	2.5	0.15	1
Chloroethane	ND		ug/kg	2.5	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	ND		ug/kg	1.3	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.3	0.19	1

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

SAMPLE RESULTS

Lab ID: L1611012-04

Date Collected: 04/14/16 12:30

Client ID: RSB-2 28-30'

Date Received: 04/14/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	6.3	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.11	1
p/m-Xylene	ND		ug/kg	2.5	0.25	1
o-Xylene	ND		ug/kg	2.5	0.22	1
Xylenes, Total	ND		ug/kg	2.5	0.22	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	13	0.21	1
Styrene	ND		ug/kg	2.5	0.51	1
Dichlorodifluoromethane	ND		ug/kg	13	0.24	1
Acetone	3.5	J	ug/kg	13	1.3	1
Carbon disulfide	ND		ug/kg	13	1.4	1
2-Butanone	2.1	J	ug/kg	13	0.34	1
Vinyl acetate	ND		ug/kg	13	0.17	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.21	1
2-Hexanone	ND		ug/kg	13	0.84	1
Bromochloromethane	ND		ug/kg	6.3	0.35	1
2,2-Dichloropropane	ND		ug/kg	6.3	0.29	1
1,2-Dibromoethane	ND		ug/kg	5.1	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.3	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.40	1
Bromobenzene	ND		ug/kg	6.3	0.26	1
n-Butylbenzene	ND		ug/kg	1.3	0.14	1
sec-Butylbenzene	ND		ug/kg	1.3	0.15	1
tert-Butylbenzene	ND		ug/kg	6.3	0.17	1
o-Chlorotoluene	ND		ug/kg	6.3	0.20	1
p-Chlorotoluene	ND		ug/kg	6.3	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.3	0.50	1
Hexachlorobutadiene	ND		ug/kg	6.3	0.29	1
Isopropylbenzene	ND		ug/kg	1.3	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.16	1
Naphthalene	ND		ug/kg	6.3	0.18	1
Acrylonitrile	ND		ug/kg	13	0.65	1
n-Propylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.3	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.3	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.3	0.18	1

Project Name: MORTON VILLAGE**Lab Number:** L1611012**Project Number:** 2517.0001Y000**Report Date:** 04/20/16**SAMPLE RESULTS****Lab ID:** L1611012-04**Date Collected:** 04/14/16 12:30**Client ID:** RSB-2 28-30'**Date Received:** 04/14/16**Sample Location:** 1022 OLD COUNTRY RD., PLAINVIEW, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.3	0.18	1
1,4-Dioxane	ND		ug/kg	130	18.	1
p-Diethylbenzene	ND		ug/kg	5.1	0.20	1
p-Ethyltoluene	ND		ug/kg	5.1	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.1	0.16	1
Ethyl ether	ND		ug/kg	6.3	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.3	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	102		70-130

Project Name: MORTON VILLAGE**Lab Number:** L1611012**Project Number:** 2517.0001Y000**Report Date:** 04/20/16**SAMPLE RESULTS**

Lab ID: L1611012-05
Client ID: RSB-1 28-30'
Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/19/16 12:43
Analyst: MV
Percent Solids: 87%

Date Collected: 04/14/16 14:45
Date Received: 04/14/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.9	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	0.99	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	1
Dibromochloromethane	ND		ug/kg	0.99	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	0.99	0.14	1
Chlorobenzene	ND		ug/kg	0.99	0.34	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.38	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.11	1
1,1,1-Trichloroethane	ND		ug/kg	0.99	0.11	1
Bromodichloromethane	ND		ug/kg	0.99	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	0.99	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	0.99	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.0	0.14	1
Bromoform	ND		ug/kg	4.0	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.99	0.10	1
Benzene	ND		ug/kg	0.99	0.12	1
Toluene	ND		ug/kg	1.5	0.19	1
Ethylbenzene	ND		ug/kg	0.99	0.13	1
Chloromethane	ND		ug/kg	5.0	0.29	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.31	1
1,1-Dichloroethene	ND		ug/kg	0.99	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	0.99	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15	1

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

SAMPLE RESULTS

Lab ID: L1611012-05
 Client ID: RSB-1 28-30'
 Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY

Date Collected: 04/14/16 14:45
 Date Received: 04/14/16
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.08	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.17	1
Xylenes, Total	ND		ug/kg	2.0	0.17	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	0.99	0.14	1
Dibromomethane	ND		ug/kg	9.9	0.16	1
Styrene	ND		ug/kg	2.0	0.40	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.19	1
Acetone	1.8	J	ug/kg	9.9	1.0	1
Carbon disulfide	ND		ug/kg	9.9	1.1	1
2-Butanone	1.2	J	ug/kg	9.9	0.27	1
Vinyl acetate	ND		ug/kg	9.9	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	9.9	0.16	1
2-Hexanone	ND		ug/kg	9.9	0.66	1
Bromochloromethane	ND		ug/kg	5.0	0.27	1
2,2-Dichloropropane	ND		ug/kg	5.0	0.22	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.17	1
1,3-Dichloropropane	ND		ug/kg	5.0	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.99	0.32	1
Bromobenzene	ND		ug/kg	5.0	0.21	1
n-Butylbenzene	ND		ug/kg	0.99	0.11	1
sec-Butylbenzene	ND		ug/kg	0.99	0.12	1
tert-Butylbenzene	ND		ug/kg	5.0	0.13	1
o-Chlorotoluene	ND		ug/kg	5.0	0.16	1
p-Chlorotoluene	ND		ug/kg	5.0	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.39	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.23	1
Isopropylbenzene	ND		ug/kg	0.99	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.99	0.12	1
Naphthalene	ND		ug/kg	5.0	0.14	1
Acrylonitrile	ND		ug/kg	9.9	0.51	1
n-Propylbenzene	ND		ug/kg	0.99	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14	1

Project Name: MORTON VILLAGE**Lab Number:** L1611012**Project Number:** 2517.0001Y000**Report Date:** 04/20/16**SAMPLE RESULTS****Lab ID:** L1611012-05**Date Collected:** 04/14/16 14:45**Client ID:** RSB-1 28-30'**Date Received:** 04/14/16**Sample Location:** 1022 OLD COUNTRY RD., PLAINVIEW, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14	1
1,4-Dioxane	ND		ug/kg	99	14.	1
p-Diethylbenzene	ND		ug/kg	4.0	0.16	1
p-Ethyltoluene	ND		ug/kg	4.0	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13	1
Ethyl ether	ND		ug/kg	5.0	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	103		70-130

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

SAMPLE RESULTS

Lab ID: L1611012-06
 Client ID: DUP041416
 Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 04/19/16 13:09
 Analyst: MV
 Percent Solids: 88%

Date Collected: 04/14/16 14:50
 Date Received: 04/14/16
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.3	1.0	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.08	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.93	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.93	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.28	1
Tetrachloroethene	ND		ug/kg	0.93	0.13	1
Chlorobenzene	ND		ug/kg	0.93	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.36	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.10	1
1,1,1-Trichloroethane	ND		ug/kg	0.93	0.10	1
Bromodichloromethane	ND		ug/kg	0.93	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.93	0.11	1
1,3-Dichloropropene, Total	ND		ug/kg	0.93	0.11	1
1,1-Dichloropropene	ND		ug/kg	4.6	0.13	1
Bromoform	ND		ug/kg	3.7	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.93	0.09	1
Benzene	ND		ug/kg	0.93	0.11	1
Toluene	ND		ug/kg	1.4	0.18	1
Ethylbenzene	ND		ug/kg	0.93	0.12	1
Chloromethane	ND		ug/kg	4.6	0.27	1
Bromomethane	ND		ug/kg	1.9	0.31	1
Vinyl chloride	ND		ug/kg	1.9	0.11	1
Chloroethane	ND		ug/kg	1.9	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.93	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.14	1

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

SAMPLE RESULTS

Lab ID: L1611012-06

Date Collected: 04/14/16 14:50

Client ID: DUP041416

Date Received: 04/14/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.13	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.08	1
p/m-Xylene	ND		ug/kg	1.9	0.18	1
o-Xylene	ND		ug/kg	1.9	0.16	1
Xylenes, Total	ND		ug/kg	1.9	0.16	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.13	1
1,2-Dichloroethene, Total	ND		ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	9.3	0.15	1
Styrene	ND		ug/kg	1.9	0.37	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.18	1
Acetone	1.8	J	ug/kg	9.3	0.96	1
Carbon disulfide	ND		ug/kg	9.3	1.0	1
2-Butanone	1.1	J	ug/kg	9.3	0.25	1
Vinyl acetate	ND		ug/kg	9.3	0.12	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.3	0.15	1
2-Hexanone	ND		ug/kg	9.3	0.62	1
Bromochloromethane	ND		ug/kg	4.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	4.6	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.6	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.93	0.30	1
Bromobenzene	ND		ug/kg	4.6	0.19	1
n-Butylbenzene	ND		ug/kg	0.93	0.11	1
sec-Butylbenzene	ND		ug/kg	0.93	0.11	1
tert-Butylbenzene	ND		ug/kg	4.6	0.12	1
o-Chlorotoluene	ND		ug/kg	4.6	0.15	1
p-Chlorotoluene	ND		ug/kg	4.6	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.37	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.21	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.12	1
Naphthalene	ND		ug/kg	4.6	0.13	1
Acrylonitrile	ND		ug/kg	9.3	0.48	1
n-Propylbenzene	ND		ug/kg	0.93	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.14	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.13	1

Project Name: MORTON VILLAGE**Lab Number:** L1611012**Project Number:** 2517.0001Y000**Report Date:** 04/20/16**SAMPLE RESULTS****Lab ID:** L1611012-06**Date Collected:** 04/14/16 14:50**Client ID:** DUP041416**Date Received:** 04/14/16**Sample Location:** 1022 OLD COUNTRY RD., PLAINVIEW, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.13	1
1,4-Dioxane	ND		ug/kg	93	13.	1
p-Diethylbenzene	ND		ug/kg	3.7	0.15	1
p-Ethyltoluene	ND		ug/kg	3.7	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.12	1
Ethyl ether	ND		ug/kg	4.6	0.24	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	0.36	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	102		70-130

Project Name: MORTON VILLAGE**Lab Number:** L1611012**Project Number:** 2517.0001Y000**Report Date:** 04/20/16**SAMPLE RESULTS**

Lab ID: L1611012-07
Client ID: FIELD BLANK
Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/17/16 20:27
Analyst: PD

Date Collected: 04/14/16 15:00
Date Received: 04/14/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

SAMPLE RESULTS

Lab ID: L1611012-07
 Client ID: FIELD BLANK
 Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY

Date Collected: 04/14/16 15:00
 Date Received: 04/14/16
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

SAMPLE RESULTS

Lab ID: L1611012-07

Date Collected: 04/14/16 15:00

Client ID: FIELD BLANK

Date Received: 04/14/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

SAMPLE RESULTS

Lab ID: L1611012-08
 Client ID: TRIP BLANK
 Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY
 Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 04/17/16 20:59
 Analyst: PD

Date Collected: 04/14/16 00:00
 Date Received: 04/14/16
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

SAMPLE RESULTS

Lab ID: L1611012-08

Date Collected: 04/14/16 00:00

Client ID: TRIP BLANK

Date Received: 04/14/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.6	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

SAMPLE RESULTS

Lab ID: L1611012-08

Date Collected: 04/14/16 00:00

Client ID: TRIP BLANK

Date Received: 04/14/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	97		70-130

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/17/16 17:45
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG884613-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/17/16 17:45
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG884613-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/17/16 17:45
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG884613-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/18/16 10:45
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04 Batch: WG884686-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.23	J	ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	0.74	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/18/16 10:45
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04 Batch: WG884686-3					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	2.2	J	ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	0.94	J	ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/18/16 10:45
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04 Batch: WG884686-3					
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,4-Dioxane	ND		ug/kg	100	14.
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	94		70-130

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/19/16 09:11
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05-06 Batch: WG885368-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	0.91	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/19/16 09:11
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05-06 Batch: WG885368-3					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	1.3	J	ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/19/16 09:11
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05-06 Batch: WG885368-3					
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,4-Dioxane	ND		ug/kg	100	14.
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611012

Report Date: 04/20/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG884613-1 WG884613-2								
Methylene chloride	96		84		70-130	13		20
1,1-Dichloroethane	101		86		70-130	16		20
Chloroform	105		90		70-130	15		20
2-Chloroethylvinyl ether	72		50	Q	70-130	36	Q	20
Carbon tetrachloride	113		94		63-132	18		20
1,2-Dichloropropane	97		86		70-130	12		20
Dibromochloromethane	104		90		63-130	14		20
1,1,2-Trichloroethane	97		85		70-130	13		20
Tetrachloroethene	108		89		70-130	19		20
Chlorobenzene	104		89		75-130	16		20
Trichlorofluoromethane	104		89		62-150	16		20
1,2-Dichloroethane	101		84		70-130	18		20
1,1,1-Trichloroethane	117		98		67-130	18		20
Bromodichloromethane	111		96		67-130	14		20
trans-1,3-Dichloropropene	107		93		70-130	14		20
cis-1,3-Dichloropropene	107		90		70-130	17		20
1,1-Dichloropropene	104		86		70-130	19		20
Bromoform	105		91		54-136	14		20
1,1,2,2-Tetrachloroethane	88		79		67-130	11		20
Benzene	102		88		70-130	15		20
Toluene	105		88		70-130	18		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611012

Report Date: 04/20/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG884613-1 WG884613-2								
Ethylbenzene	108		91		70-130	17		20
Chloromethane	77		64		64-130	18		20
Bromomethane	80		54		39-139	39	Q	20
Vinyl chloride	105		83		55-140	23	Q	20
Chloroethane	106		87		55-138	20		20
1,1-Dichloroethene	105		91		61-145	14		20
trans-1,2-Dichloroethene	105		89		70-130	16		20
Trichloroethene	106		88		70-130	19		20
1,2-Dichlorobenzene	100		88		70-130	13		20
1,3-Dichlorobenzene	102		89		70-130	14		20
1,4-Dichlorobenzene	100		88		70-130	13		20
Methyl tert butyl ether	86		75		63-130	14		20
p/m-Xylene	108		91		70-130	17		20
o-Xylene	106		91		70-130	15		20
cis-1,2-Dichloroethene	106		89		70-130	17		20
Dibromomethane	96		85		70-130	12		20
1,2,3-Trichloropropane	86		77		64-130	11		20
Acrylonitrile	86		76		70-130	12		20
Isopropyl Ether	92		79		70-130	15		20
tert-Butyl Alcohol	82		77		70-130	6		20
Styrene	111		95		70-130	16		20

Lab Control Sample Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611012

Report Date: 04/20/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG884613-1 WG884613-2								
Dichlorodifluoromethane	86		73		36-147	16		20
Acetone	90		72		58-148	22	Q	20
Carbon disulfide	92		75		51-130	20		20
2-Butanone	73		70		63-138	4		20
Vinyl acetate	98		81		70-130	19		20
4-Methyl-2-pentanone	86		71		59-130	19		20
2-Hexanone	81		69		57-130	16		20
Acrolein	108		91		40-160	17		20
Bromochloromethane	112		96		70-130	15		20
2,2-Dichloropropane	106		85		63-133	22	Q	20
1,2-Dibromoethane	98		86		70-130	13		20
1,3-Dichloropropane	97		84		70-130	14		20
1,1,1,2-Tetrachloroethane	116		99		64-130	16		20
Bromobenzene	100		88		70-130	13		20
n-Butylbenzene	108		88		53-136	20		20
sec-Butylbenzene	107		88		70-130	19		20
tert-Butylbenzene	104		87		70-130	18		20
o-Chlorotoluene	102		88		70-130	15		20
p-Chlorotoluene	104		88		70-130	17		20
1,2-Dibromo-3-chloropropane	97		87		41-144	11		20
Hexachlorobutadiene	99		82		63-130	19		20

Lab Control Sample Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611012

Report Date: 04/20/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG884613-1 WG884613-2								
Isopropylbenzene	110		92		70-130	18		20
p-Isopropyltoluene	107		88		70-130	19		20
Naphthalene	82		72		70-130	13		20
n-Propylbenzene	106		89		69-130	17		20
1,2,3-Trichlorobenzene	89		77		70-130	14		20
1,2,4-Trichlorobenzene	100		85		70-130	16		20
1,3,5-Trimethylbenzene	104		89		64-130	16		20
1,2,4-Trimethylbenzene	107		89		70-130	18		20
Methyl Acetate	82		74		70-130	10		20
Ethyl Acetate	79		71		70-130	11		20
Cyclohexane	92		79		70-130	15		20
Ethyl-Tert-Butyl-Ether	86		76		70-130	12		20
Tertiary-Amyl Methyl Ether	83		73		66-130	13		20
1,4-Dioxane	97		79		56-162	20		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	101		88		70-130	14		20
p-Diethylbenzene	102		85		70-130	18		20
p-Ethyltoluene	108		91		70-130	17		20
1,2,4,5-Tetramethylbenzene	112		91		70-130	21	Q	20
Ethyl ether	102		87		59-134	16		20
trans-1,4-Dichloro-2-butene	95		82		70-130	15		20
Iodomethane	34	Q	39	Q	70-130	14		20

Lab Control Sample Analysis**Batch Quality Control****Project Name:** MORTON VILLAGE**Lab Number:** L1611012**Project Number:** 2517.0001Y000**Report Date:** 04/20/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG884613-1 WG884613-2								
Methyl cyclohexane	98		81		70-130	19		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		95		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	90		93		70-130
Dibromofluoromethane	98		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611012

Report Date: 04/20/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG884686-1 WG884686-2								
Methylene chloride	118		114		70-130	3		30
1,1-Dichloroethane	108		103		70-130	5		30
Chloroform	111		107		70-130	4		30
Carbon tetrachloride	112		106		70-130	6		30
1,2-Dichloropropane	111		106		70-130	5		30
Dibromochloromethane	97		97		70-130	0		30
2-Chloroethylvinyl ether	111		110		70-130	1		30
1,1,2-Trichloroethane	98		98		70-130	0		30
Tetrachloroethene	106		99		70-130	7		30
Chlorobenzene	99		95		70-130	4		30
Trichlorofluoromethane	134		121		70-139	10		30
1,2-Dichloroethane	111		108		70-130	3		30
1,1,1-Trichloroethane	110		104		70-130	6		30
Bromodichloromethane	107		106		70-130	1		30
trans-1,3-Dichloropropene	93		93		70-130	0		30
cis-1,3-Dichloropropene	111		110		70-130	1		30
1,1-Dichloropropene	113		105		70-130	7		30
Bromoform	89		91		70-130	2		30
1,1,2,2-Tetrachloroethane	86		86		70-130	0		30
Benzene	110		105		70-130	5		30
Toluene	95		90		70-130	5		30

Lab Control Sample Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611012

Report Date: 04/20/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG884686-1 WG884686-2								
Ethylbenzene	95		90		70-130	5		30
Chloromethane	112		105		52-130	6		30
Bromomethane	118		108		57-147	9		30
Vinyl chloride	108		99		67-130	9		30
Chloroethane	137		123		50-151	11		30
1,1-Dichloroethene	114		104		65-135	9		30
trans-1,2-Dichloroethene	112		104		70-130	7		30
Trichloroethene	112		104		70-130	7		30
1,2-Dichlorobenzene	94		92		70-130	2		30
1,3-Dichlorobenzene	94		90		70-130	4		30
1,4-Dichlorobenzene	93		90		70-130	3		30
Methyl tert butyl ether	112		111		66-130	1		30
p/m-Xylene	98		93		70-130	5		30
o-Xylene	97		93		70-130	4		30
cis-1,2-Dichloroethene	113		108		70-130	5		30
Dibromomethane	117		116		70-130	1		30
Styrene	99		96		70-130	3		30
Dichlorodifluoromethane	119		106		30-146	12		30
Acetone	111		112		54-140	1		30
Carbon disulfide	105		113		59-130	7		30
2-Butanone	105		106		70-130	1		30

Lab Control Sample Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611012

Report Date: 04/20/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG884686-1 WG884686-2								
Vinyl acetate	110		111		70-130	1		30
4-Methyl-2-pentanone	103		105		70-130	2		30
1,2,3-Trichloropropane	85		87		68-130	2		30
2-Hexanone	90		95		70-130	5		30
Bromochloromethane	128		125		70-130	2		30
2,2-Dichloropropane	107		100		70-130	7		30
1,2-Dibromoethane	100		101		70-130	1		30
1,3-Dichloropropane	98		97		69-130	1		30
1,1,1,2-Tetrachloroethane	99		98		70-130	1		30
Bromobenzene	95		91		70-130	4		30
n-Butylbenzene	86		81		70-130	6		30
sec-Butylbenzene	89		83		70-130	7		30
tert-Butylbenzene	90		84		70-130	7		30
o-Chlorotoluene	88		83		70-130	6		30
p-Chlorotoluene	88		83		70-130	6		30
1,2-Dibromo-3-chloropropane	89		93		68-130	4		30
Hexachlorobutadiene	94		90		67-130	4		30
Isopropylbenzene	89		82		70-130	8		30
p-Isopropyltoluene	92		86		70-130	7		30
Naphthalene	97		96		70-130	1		30
Acrylonitrile	111		112		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611012

Report Date: 04/20/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG884686-1 WG884686-2								
Isopropyl Ether	107		105		66-130	2		30
tert-Butyl Alcohol	104		110		70-130	6		30
n-Propylbenzene	89		82		70-130	8		30
1,2,3-Trichlorobenzene	102		98		70-130	4		30
1,2,4-Trichlorobenzene	99		94		70-130	5		30
1,3,5-Trimethylbenzene	90		84		70-130	7		30
1,2,4-Trimethylbenzene	90		85		70-130	6		30
Methyl Acetate	112		114		51-146	2		30
Ethyl Acetate	108		113		70-130	5		30
Acrolein	130		134	Q	70-130	3		30
Cyclohexane	110		101		59-142	9		30
1,4-Dioxane	118		122		65-136	3		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	118		107		50-139	10		30
p-Diethylbenzene	87		82		70-130	6		30
p-Ethyltoluene	85		79		70-130	7		30
1,2,4,5-Tetramethylbenzene	89		86		70-130	3		30
Tetrahydrofuran	113		117		66-130	3		30
Ethyl ether	95		92		67-130	3		30
trans-1,4-Dichloro-2-butene	80		82		70-130	2		30
Methyl cyclohexane	111		101		70-130	9		30
Ethyl-Tert-Butyl-Ether	108		105		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG884686-1 WG884686-2								
Tertiary-Amyl Methyl Ether	108		107		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		92		70-130
Toluene-d8	88		88		70-130
4-Bromofluorobenzene	90		89		70-130
Dibromofluoromethane	103		104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611012

Report Date: 04/20/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-06 Batch: WG885368-1 WG885368-2								
Methylene chloride	122		119		70-130	2		30
1,1-Dichloroethane	114		110		70-130	4		30
Chloroform	118		113		70-130	4		30
Carbon tetrachloride	126		121		70-130	4		30
1,2-Dichloropropane	116		112		70-130	4		30
Dibromochloromethane	102		101		70-130	1		30
2-Chloroethylvinyl ether	111		114		70-130	3		30
1,1,2-Trichloroethane	100		100		70-130	0		30
Tetrachloroethene	114		107		70-130	6		30
Chlorobenzene	104		100		70-130	4		30
Trichlorofluoromethane	145	Q	131		70-139	10		30
1,2-Dichloroethane	113		112		70-130	1		30
1,1,1-Trichloroethane	122		115		70-130	6		30
Bromodichloromethane	115		112		70-130	3		30
trans-1,3-Dichloropropene	97		94		70-130	3		30
cis-1,3-Dichloropropene	117		115		70-130	2		30
1,1-Dichloropropene	123		117		70-130	5		30
Bromoform	94		94		70-130	0		30
1,1,2,2-Tetrachloroethane	86		87		70-130	1		30
Benzene	116		112		70-130	4		30
Toluene	100		95		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611012

Report Date: 04/20/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-06 Batch: WG885368-1 WG885368-2								
Ethylbenzene	101		96		70-130	5		30
Chloromethane	111		105		52-130	6		30
Bromomethane	120		115		57-147	4		30
Vinyl chloride	112		105		67-130	6		30
Chloroethane	149		134		50-151	11		30
1,1-Dichloroethene	125		116		65-135	7		30
trans-1,2-Dichloroethene	122		115		70-130	6		30
Trichloroethene	120		114		70-130	5		30
1,2-Dichlorobenzene	97		94		70-130	3		30
1,3-Dichlorobenzene	97		93		70-130	4		30
1,4-Dichlorobenzene	96		94		70-130	2		30
Methyl tert butyl ether	111		113		66-130	2		30
p/m-Xylene	104		99		70-130	5		30
o-Xylene	102		98		70-130	4		30
cis-1,2-Dichloroethene	123		115		70-130	7		30
Dibromomethane	118		119		70-130	1		30
Styrene	104		100		70-130	4		30
Dichlorodifluoromethane	111		103		30-146	7		30
Acetone	107		107		54-140	0		30
Carbon disulfide	148	Q	132	Q	59-130	11		30
2-Butanone	106		106		70-130	0		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611012

Report Date: 04/20/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-06 Batch: WG885368-1 WG885368-2								
Vinyl acetate	112		114		70-130	2		30
4-Methyl-2-pentanone	102		107		70-130	5		30
1,2,3-Trichloropropane	88		89		68-130	1		30
2-Hexanone	91		92		70-130	1		30
Bromochloromethane	131	Q	128		70-130	2		30
2,2-Dichloropropane	116		113		70-130	3		30
1,2-Dibromoethane	102		102		70-130	0		30
1,3-Dichloropropane	99		99		69-130	0		30
1,1,1,2-Tetrachloroethane	105		102		70-130	3		30
Bromobenzene	97		94		70-130	3		30
n-Butylbenzene	93		88		70-130	6		30
sec-Butylbenzene	96		90		70-130	6		30
tert-Butylbenzene	96		91		70-130	5		30
o-Chlorotoluene	91		87		70-130	4		30
p-Chlorotoluene	91		87		70-130	4		30
1,2-Dibromo-3-chloropropane	90		96		68-130	6		30
Hexachlorobutadiene	103		98		67-130	5		30
Isopropylbenzene	94		89		70-130	5		30
p-Isopropyltoluene	98		93		70-130	5		30
Naphthalene	96		98		70-130	2		30
Acrylonitrile	109		113		70-130	4		30

Lab Control Sample Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611012

Report Date: 04/20/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-06 Batch: WG885368-1 WG885368-2								
Isopropyl Ether	110		108		66-130	2		30
tert-Butyl Alcohol	106		111		70-130	5		30
n-Propylbenzene	94		89		70-130	5		30
1,2,3-Trichlorobenzene	102		103		70-130	1		30
1,2,4-Trichlorobenzene	101		100		70-130	1		30
1,3,5-Trimethylbenzene	95		90		70-130	5		30
1,2,4-Trimethylbenzene	94		90		70-130	4		30
Methyl Acetate	102		112		51-146	9		30
Ethyl Acetate	92		96		70-130	4		30
Acrolein	130		134	Q	70-130	3		30
Cyclohexane	123		114		59-142	8		30
1,4-Dioxane	111		118		65-136	6		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	132		122		50-139	8		30
p-Diethylbenzene	94		88		70-130	7		30
p-Ethyltoluene	90		85		70-130	6		30
1,2,4,5-Tetramethylbenzene	93		90		70-130	3		30
Tetrahydrofuran	110		116		66-130	5		30
Ethyl ether	91		109		67-130	18		30
trans-1,4-Dichloro-2-butene	81		81		70-130	0		30
Methyl cyclohexane	124		117		70-130	6		30
Ethyl-Tert-Butyl-Ether	109		108		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-06 Batch: WG885368-1 WG885368-2								
Tertiary-Amyl Methyl Ether	109		108		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		92		70-130
Toluene-d8	88		87		70-130
4-Bromofluorobenzene	90		90		70-130
Dibromofluoromethane	103		105		70-130

INORGANICS & MISCELLANEOUS

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

SAMPLE RESULTS

Lab ID: L1611012-01

Date Collected: 04/14/16 08:15

Client ID: RSB-5 28-30'

Date Received: 04/14/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIE

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.4		%	0.100	NA	1	-	04/15/16 13:33	121,2540G	RI



Project Name: MORTON VILLAGE**Project Number:** 2517.0001Y000**Lab Number:** L1611012**Report Date:** 04/20/16**SAMPLE RESULTS****Lab ID:** L1611012-02**Client ID:** RSB-4 28-30'**Sample Location:** 1022 OLD COUNTRY RD., PLAINVIE**Matrix:** Soil**Date Collected:** 04/14/16 10:00**Date Received:** 04/14/16**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.0		%	0.100	NA	1	-	04/15/16 13:33	121,2540G	RI



Project Name: MORTON VILLAGE**Project Number:** 2517.0001Y000**Lab Number:** L1611012**Report Date:** 04/20/16**SAMPLE RESULTS****Lab ID:** L1611012-03**Client ID:** RSB-3 28-30'**Sample Location:** 1022 OLD COUNTRY RD., PLAINVIE**Matrix:** Soil**Date Collected:** 04/14/16 11:15**Date Received:** 04/14/16**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.3		%	0.100	NA	1	-	04/15/16 13:33	121,2540G	RI



Project Name: MORTON VILLAGE**Project Number:** 2517.0001Y000**Lab Number:** L1611012**Report Date:** 04/20/16**SAMPLE RESULTS****Lab ID:** L1611012-04**Client ID:** RSB-2 28-30'**Sample Location:** 1022 OLD COUNTRY RD., PLAINVIE**Matrix:** Soil**Date Collected:** 04/14/16 12:30**Date Received:** 04/14/16**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.6		%	0.100	NA	1	-	04/15/16 13:33	121,2540G	RI



Project Name: MORTON VILLAGE**Project Number:** 2517.0001Y000**Lab Number:** L1611012**Report Date:** 04/20/16**SAMPLE RESULTS****Lab ID:** L1611012-05**Client ID:** RSB-1 28-30'**Sample Location:** 1022 OLD COUNTRY RD., PLAINVIE**Matrix:** Soil**Date Collected:** 04/14/16 14:45**Date Received:** 04/14/16**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	04/15/16 13:33	121,2540G	RI



Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

SAMPLE RESULTS

Lab ID: L1611012-06

Date Collected: 04/14/16 14:50

Client ID: DUP041416

Date Received: 04/14/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIE

Field Prep: Not Specified

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.1		%	0.100	NA	1	-	04/15/16 13:33	121,2540G	RI



Lab Duplicate Analysis
Batch Quality Control**Project Name:** MORTON VILLAGE**Project Number:** 2517.0001Y000**Lab Number:** L1611012**Report Date:** 04/20/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG884068-1 QC Sample: L1611012-01 Client ID: RSB-5 28-30'						
Solids, Total	85.4	85.7	%	0		20

Project Name: MORTON VILLAGE

Lab Number: L1611012

Project Number: 2517.0001Y000

Report Date: 04/20/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 15-APR-16 09:11

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1611012-01A	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1611012-01B	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1611012-01C	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1611012-01D	Plastic 2oz unpreserved for TS	A	N/A	2.0	Y	Absent	TS(7)
L1611012-01X	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1611012-01Y	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1611012-01Z	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1611012-02A	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1611012-02B	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1611012-02C	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1611012-02D	Plastic 2oz unpreserved for TS	A	N/A	2.0	Y	Absent	TS(7)
L1611012-02X	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1611012-02Y	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1611012-02Z	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1611012-03A	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1611012-03B	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1611012-03C	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1611012-03D	Plastic 2oz unpreserved for TS	A	N/A	2.0	Y	Absent	TS(7)
L1611012-03X	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1611012-03Y	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1611012-03Z	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1611012-04A	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1611012-04B	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1611012-04C	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1611012-04D	Plastic 2oz unpreserved for TS	A	N/A	2.0	Y	Absent	TS(7)
L1611012-04X	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1611012-04Y	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: MORTON VILLAGE**Project Number:** 2517.0001Y000**Lab Number:** L1611012**Report Date:** 04/20/16**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1611012-04Z	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1611012-05A	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1611012-05B	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1611012-05C	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1611012-05D	Plastic 2oz unpreserved for TS	A	N/A	2.0	Y	Absent	TS(7)
L1611012-05X	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1611012-05Y	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1611012-05Z	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1611012-06A	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1611012-06B	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1611012-06C	5 gram Encore Sampler	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(2)
L1611012-06D	Plastic 2oz unpreserved for TS	A	N/A	2.0	Y	Absent	TS(7)
L1611012-06X	Vial MeOH preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1611012-06Y	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1611012-06Z	Vial Water preserved split	A	N/A	2.0	Y	Absent	NYTCL-8260HLW(14)
L1611012-07A	Vial HCl preserved	A	N/A	2.0	Y	Absent	NYTCL-8260(14)
L1611012-07B	Vial HCl preserved	A	N/A	2.0	Y	Absent	NYTCL-8260(14)
L1611012-07C	Vial HCl preserved	A	N/A	2.0	Y	Absent	NYTCL-8260(14)
L1611012-08A	Vial HCl preserved	A	N/A	2.0	Y	Absent	NYTCL-8260(14)
L1611012-08B	Vial HCl preserved	A	N/A	2.0	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1611012
Report Date: 04/20/16

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

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

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers



Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1611012
Report Date: 04/20/16

Data Qualifiers

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1611012
Report Date: 04/20/16

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 524.2: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene

EPA 624: 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene

EPA 625: Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.

EPA 1010A: NPW: Ignitability

EPA 6010C: NPW: Strontium; SCM: Strontium

EPA 8151A: NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene, Isopropanol; SCM: Iodomethane (methyl iodide), Methyl methacrylate (soil); 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 9010: NPW: Amenable Cyanide Distillation, Total Cyanide Distillation

EPA 9038: NPW: Sulfate

EPA 9050A: NPW: Specific Conductance

EPA 9056: NPW: Chloride, Nitrate, Sulfate

EPA 9065: NPW: Phenols

EPA 9251: NPW: Chloride

SM3500: NPW: Ferrous Iron

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.

SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility

EPA 8270D: NPW: Biphenyl; SCM: Biphenyl, Caprolactam

EPA 8270D-SIM Isotope Dilution: SCM: 1,4-Dioxane

SM 2540D: TSS

SM2540G: SCM: Percent Solids

EPA 1631E: SCM: Mercury

EPA 7474: SCM: Mercury

EPA 8081B: NPW and SCM: Mirex, Hexachlorobenzene.

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA 8270-SIM: NPW and SCM: Alkylated PAHs.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene, n-Butylbenzene, n-Propylbenzene, sec-Butylbenzene, tert-Butylbenzene.

Biological Tissue Matrix: **8270D-SIM; 3050B; 3051A; 7471B; 8081B; 8082A; 6020A:** Lead; **8270D:** bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Fluoranthene, Pentachlorophenol.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Ti; **EPA 200.7:** Ba, Be, Ca, Cd, Cr, Cu, Na; **EPA 245.1:** Mercury;

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO₃-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1,**

SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Ti, Zn;

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, Ti, Tl, V, Zn;

EPA 245.1, SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH₃-BH, EPA

350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO₃-F,**

EPA 353.2: Nitrate-N, **SM4500NH₃-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D,**

EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.**

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

4/14/18

61611012

Total Bottles

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	4

4/14/16	1530
4-14-16	1820
4/14/16	2755

Page 69 of 69



ANALYTICAL REPORT

Lab Number:	L1611568
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Jeffrey Wills
Phone:	(631) 232-2366
Project Name:	MORTON VILLAGE
Project Number:	2517.0001Y000
Report Date:	04/25/16

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1611568
Report Date: 04/25/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1611568-01	RSB-8 38-40'	SOIL	1022 OLD COUNTRY RD., PLAINVIEW, NY	04/19/16 09:15	04/19/16
L1611568-02	RSB-9 28-30'	SOIL	1022 OLD COUNTRY RD., PLAINVIEW, NY	04/19/16 10:30	04/19/16
L1611568-03	FIELD BLANK 041916	WATER	1022 OLD COUNTRY RD., PLAINVIEW, NY	04/19/16 12:50	04/19/16
L1611568-04	TRIP BLANK	WATER	1022 OLD COUNTRY RD., PLAINVIEW, NY	04/19/16 00:00	04/19/16

Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1611568
Report Date: 04/25/16

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1611568
Report Date: 04/25/16

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

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

Authorized Signature:



Cristin Walker

Title: Technical Director/Representative

Date: 04/25/16

ORGANICS

VOLATILES

Project Name: MORTON VILLAGE**Lab Number:** L1611568**Project Number:** 2517.0001Y000**Report Date:** 04/25/16**SAMPLE RESULTS**

Lab ID: L1611568-01
Client ID: RSB-8 38-40'
Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/22/16 14:16
Analyst: MV
Percent Solids: 83%

Date Collected: 04/19/16 09:15
Date Received: 04/19/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	2.9		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.2	0.48	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	6.2	0.17	1
Bromoform	ND		ug/kg	4.9	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	6.2	0.36	1
Bromomethane	ND		ug/kg	2.5	0.42	1
Vinyl chloride	ND		ug/kg	2.5	0.14	1
Chloroethane	ND		ug/kg	2.5	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	0.19	1

Project Name: MORTON VILLAGE

Lab Number: L1611568

Project Number: 2517.0001Y000

Report Date: 04/25/16

SAMPLE RESULTS

Lab ID: L1611568-01

Date Collected: 04/19/16 09:15

Client ID: RSB-8 38-40'

Date Received: 04/19/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.2	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	6.2	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.10	1
p/m-Xylene	ND		ug/kg	2.5	0.24	1
o-Xylene	ND		ug/kg	2.5	0.21	1
Xylenes, Total	ND		ug/kg	2.5	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.5	0.49	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	2.0	J	ug/kg	12	1.3	1
Carbon disulfide	ND		ug/kg	12	1.4	1
2-Butanone	ND		ug/kg	12	0.33	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.20	1
2-Hexanone	ND		ug/kg	12	0.82	1
Bromochloromethane	ND		ug/kg	6.2	0.34	1
2,2-Dichloropropane	ND		ug/kg	6.2	0.28	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.21	1
1,3-Dichloropropane	ND		ug/kg	6.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.2	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.2	0.17	1
o-Chlorotoluene	ND		ug/kg	6.2	0.20	1
p-Chlorotoluene	ND		ug/kg	6.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	0.49	1
Hexachlorobutadiene	ND		ug/kg	6.2	0.28	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
Naphthalene	ND		ug/kg	6.2	0.17	1
Acrylonitrile	ND		ug/kg	12	0.63	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.2	0.18	1

Project Name: MORTON VILLAGE**Lab Number:** L1611568**Project Number:** 2517.0001Y000**Report Date:** 04/25/16**SAMPLE RESULTS****Lab ID:** L1611568-01**Date Collected:** 04/19/16 09:15**Client ID:** RSB-8 38-40'**Date Received:** 04/19/16**Sample Location:** 1022 OLD COUNTRY RD., PLAINVIEW, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.2	0.17	1
1,4-Dioxane	ND		ug/kg	120	18.	1
p-Diethylbenzene	ND		ug/kg	4.9	0.20	1
p-Ethyltoluene	ND		ug/kg	4.9	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.16	1
Ethyl ether	ND		ug/kg	6.2	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	94		70-130

Project Name: MORTON VILLAGE**Lab Number:** L1611568**Project Number:** 2517.0001Y000**Report Date:** 04/25/16**SAMPLE RESULTS**

Lab ID: L1611568-02
Client ID: RSB-9 28-30'
Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/22/16 14:42
Analyst: MV
Percent Solids: 81%

Date Collected: 04/19/16 10:30
Date Received: 04/19/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.15	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.15	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.2	0.31	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.16	1

Project Name: MORTON VILLAGE

Lab Number: L1611568

Project Number: 2517.0001Y000

Report Date: 04/25/16

SAMPLE RESULTS

Lab ID: L1611568-02
 Client ID: RSB-9 28-30'
 Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY

Date Collected: 04/19/16 10:30
 Date Received: 04/19/16
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	1.4	J	ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.69	1
Bromochloromethane	ND		ug/kg	5.2	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.2	0.14	1
o-Chlorotoluene	ND		ug/kg	5.2	0.17	1
p-Chlorotoluene	ND		ug/kg	5.2	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.2	0.14	1
Acrylonitrile	ND		ug/kg	10	0.54	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1

Project Name: MORTON VILLAGE**Lab Number:** L1611568**Project Number:** 2517.0001Y000**Report Date:** 04/25/16**SAMPLE RESULTS****Lab ID:** L1611568-02**Date Collected:** 04/19/16 10:30**Client ID:** RSB-9 28-30'**Date Received:** 04/19/16**Sample Location:** 1022 OLD COUNTRY RD., PLAINVIEW, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.2	0.17	1
p-Ethyltoluene	ND		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	95		70-130

Project Name: MORTON VILLAGE**Lab Number:** L1611568**Project Number:** 2517.0001Y000**Report Date:** 04/25/16**SAMPLE RESULTS**

Lab ID: L1611568-03
Client ID: FIELD BLANK 041916
Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/22/16 13:21
Analyst: PD

Date Collected: 04/19/16 12:50
Date Received: 04/19/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE

Lab Number: L1611568

Project Number: 2517.0001Y000

Report Date: 04/25/16

SAMPLE RESULTS

Lab ID: L1611568-03

Date Collected: 04/19/16 12:50

Client ID: FIELD BLANK 041916

Date Received: 04/19/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE**Lab Number:** L1611568**Project Number:** 2517.0001Y000**Report Date:** 04/25/16**SAMPLE RESULTS****Lab ID:** L1611568-03**Date Collected:** 04/19/16 12:50**Client ID:** FIELD BLANK 041916**Date Received:** 04/19/16**Sample Location:** 1022 OLD COUNTRY RD., PLAINVIEW, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	96		70-130

Project Name: MORTON VILLAGE**Lab Number:** L1611568**Project Number:** 2517.0001Y000**Report Date:** 04/25/16**SAMPLE RESULTS**

Lab ID: L1611568-04
Client ID: TRIP BLANK
Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 04/22/16 13:49
Analyst: PD

Date Collected: 04/19/16 00:00
Date Received: 04/19/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE**Lab Number:** L1611568**Project Number:** 2517.0001Y000**Report Date:** 04/25/16**SAMPLE RESULTS****Lab ID:** L1611568-04**Date Collected:** 04/19/16 00:00**Client ID:** TRIP BLANK**Date Received:** 04/19/16**Sample Location:** 1022 OLD COUNTRY RD., PLAINVIEW, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE**Lab Number:** L1611568**Project Number:** 2517.0001Y000**Report Date:** 04/25/16**SAMPLE RESULTS****Lab ID:** L1611568-04**Date Collected:** 04/19/16 00:00**Client ID:** TRIP BLANK**Date Received:** 04/19/16**Sample Location:** 1022 OLD COUNTRY RD., PLAINVIEW, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	93		70-130

Project Name: MORTON VILLAGE

Lab Number: L1611568

Project Number: 2517.0001Y000

Report Date: 04/25/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/22/16 11:11
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG886346-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	0.66	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12

Project Name: MORTON VILLAGE

Lab Number: L1611568

Project Number: 2517.0001Y000

Report Date: 04/25/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/22/16 11:11
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG886346-3					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16

Project Name: MORTON VILLAGE

Lab Number: L1611568

Project Number: 2517.0001Y000

Report Date: 04/25/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/22/16 11:11
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG886346-3					
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,4-Dioxane	ND		ug/kg	100	14.
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	90		70-130

Project Name: MORTON VILLAGE

Lab Number: L1611568

Project Number: 2517.0001Y000

Report Date: 04/25/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/22/16 11:01
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG886361-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: MORTON VILLAGE

Lab Number: L1611568

Project Number: 2517.0001Y000

Report Date: 04/25/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/22/16 11:01
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG886361-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: MORTON VILLAGE

Lab Number: L1611568

Project Number: 2517.0001Y000

Report Date: 04/25/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/22/16 11:01
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG886361-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611568

Report Date: 04/25/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG886346-1 WG886346-2								
Methylene chloride	119		114		70-130	4		30
1,1-Dichloroethane	111		107		70-130	4		30
Chloroform	112		109		70-130	3		30
Carbon tetrachloride	121		118		70-130	3		30
1,2-Dichloropropane	112		108		70-130	4		30
Dibromochloromethane	108		109		70-130	1		30
2-Chloroethylvinyl ether	101		102		70-130	1		30
1,1,2-Trichloroethane	104		104		70-130	0		30
Tetrachloroethene	127		121		70-130	5		30
Chlorobenzene	112		108		70-130	4		30
Trichlorofluoromethane	143	Q	132		70-139	8		30
1,2-Dichloroethane	107		106		70-130	1		30
1,1,1-Trichloroethane	116		112		70-130	4		30
Bromodichloromethane	109		107		70-130	2		30
trans-1,3-Dichloropropene	104		103		70-130	1		30
cis-1,3-Dichloropropene	112		111		70-130	1		30
1,1-Dichloropropene	120		115		70-130	4		30
Bromoform	104		109		70-130	5		30
1,1,2,2-Tetrachloroethane	91		94		70-130	3		30
Benzene	114		109		70-130	4		30
Toluene	111		106		70-130	5		30

Lab Control Sample Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611568

Report Date: 04/25/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG886346-1 WG886346-2								
Ethylbenzene	111		106		70-130	5		30
Chloromethane	110		102		52-130	8		30
Bromomethane	121		112		57-147	8		30
Vinyl chloride	111		104		67-130	7		30
Chloroethane	146		133		50-151	9		30
1,1-Dichloroethene	119		115		65-135	3		30
trans-1,2-Dichloroethene	118		112		70-130	5		30
Trichloroethene	117		112		70-130	4		30
1,2-Dichlorobenzene	108		106		70-130	2		30
1,3-Dichlorobenzene	110		107		70-130	3		30
1,4-Dichlorobenzene	108		105		70-130	3		30
Methyl tert butyl ether	109		109		66-130	0		30
p/m-Xylene	115		110		70-130	4		30
o-Xylene	112		108		70-130	4		30
cis-1,2-Dichloroethene	116		114		70-130	2		30
Dibromomethane	112		110		70-130	2		30
Styrene	112		109		70-130	3		30
Dichlorodifluoromethane	103		97		30-146	6		30
Acetone	93		110		54-140	17		30
Carbon disulfide	108		103		59-130	5		30
2-Butanone	94		99		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611568

Report Date: 04/25/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG886346-1 WG886346-2								
Vinyl acetate	106		109		70-130	3		30
4-Methyl-2-pentanone	94		102		70-130	8		30
1,2,3-Trichloropropane	94		96		68-130	2		30
2-Hexanone	94		102		70-130	8		30
Bromochloromethane	124		122		70-130	2		30
2,2-Dichloropropane	117		110		70-130	6		30
1,2-Dibromoethane	107		108		70-130	1		30
1,3-Dichloropropane	105		104		69-130	1		30
1,1,1,2-Tetrachloroethane	112		110		70-130	2		30
Bromobenzene	110		109		70-130	1		30
n-Butylbenzene	104		100		70-130	4		30
sec-Butylbenzene	109		105		70-130	4		30
tert-Butylbenzene	111		107		70-130	4		30
o-Chlorotoluene	104		101		70-130	3		30
p-Chlorotoluene	104		101		70-130	3		30
1,2-Dibromo-3-chloropropane	94		101		68-130	7		30
Hexachlorobutadiene	117		113		67-130	3		30
Isopropylbenzene	109		106		70-130	3		30
p-Isopropyltoluene	113		109		70-130	4		30
Naphthalene	102		105		70-130	3		30
Acrylonitrile	102		108		70-130	6		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611568

Report Date: 04/25/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG886346-1 WG886346-2								
Isopropyl Ether	109		105		66-130	4		30
tert-Butyl Alcohol	89		100		70-130	12		30
n-Propylbenzene	108		104		70-130	4		30
1,2,3-Trichlorobenzene	111		110		70-130	1		30
1,2,4-Trichlorobenzene	114		111		70-130	3		30
1,3,5-Trimethylbenzene	108		106		70-130	2		30
1,2,4-Trimethylbenzene	108		104		70-130	4		30
Methyl Acetate	98		107		51-146	9		30
Ethyl Acetate	86		93		70-130	8		30
Acrolein	118		128		70-130	8		30
Cyclohexane	117		112		59-142	4		30
1,4-Dioxane	107		111		65-136	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	122		117		50-139	4		30
p-Diethylbenzene	108		103		70-130	5		30
p-Ethyltoluene	104		100		70-130	4		30
1,2,4,5-Tetramethylbenzene	106		102		70-130	4		30
Tetrahydrofuran	102		108		66-130	6		30
Ethyl ether	91		90		67-130	1		30
trans-1,4-Dichloro-2-butene	87		92		70-130	6		30
Methyl cyclohexane	121		114		70-130	6		30
Ethyl-Tert-Butyl-Ether	108		105		70-130	3		30

Lab Control Sample Analysis**Batch Quality Control****Project Name:** MORTON VILLAGE**Lab Number:** L1611568**Project Number:** 2517.0001Y000**Report Date:** 04/25/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG886346-1 WG886346-2								
Tertiary-Amyl Methyl Ether	107		107		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	86		88		70-130
Toluene-d8	91		91		70-130
4-Bromofluorobenzene	90		90		70-130
Dibromofluoromethane	96		96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611568

Report Date: 04/25/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG886361-1 WG886361-2								
Methylene chloride	112		100		70-130	11		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	110		98		70-130	12		20
Carbon tetrachloride	111		102		63-132	8		20
1,2-Dichloropropane	106		96		70-130	10		20
Dibromochloromethane	104		90		63-130	14		20
1,1,2-Trichloroethane	101		88		70-130	14		20
Tetrachloroethene	115		105		70-130	9		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	113		106		62-150	6		20
1,2-Dichloroethane	103		89		70-130	15		20
1,1,1-Trichloroethane	111		101		67-130	9		20
Bromodichloromethane	104		92		67-130	12		20
trans-1,3-Dichloropropene	102		86		70-130	17		20
cis-1,3-Dichloropropene	106		92		70-130	14		20
1,1-Dichloropropene	109		101		70-130	8		20
Bromoform	105		91		54-136	14		20
1,1,2,2-Tetrachloroethane	96		83		67-130	15		20
Benzene	110		100		70-130	10		20
Toluene	109		100		70-130	9		20
Ethylbenzene	110		101		70-130	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611568

Report Date: 04/25/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG886361-1 WG886361-2								
Chloromethane	135	Q	123		64-130	9		20
Bromomethane	143	Q	138		39-139	4		20
Vinyl chloride	123		112		55-140	9		20
Chloroethane	118		111		55-138	6		20
1,1-Dichloroethene	112		104		61-145	7		20
trans-1,2-Dichloroethene	111		103		70-130	7		20
Trichloroethene	111		102		70-130	8		20
1,2-Dichlorobenzene	110		96		70-130	14		20
1,3-Dichlorobenzene	115		102		70-130	12		20
1,4-Dichlorobenzene	113		100		70-130	12		20
Methyl tert butyl ether	101		85		63-130	17		20
p/m-Xylene	116		105		70-130	10		20
o-Xylene	115		105		70-130	9		20
cis-1,2-Dichloroethene	113		100		70-130	12		20
Dibromomethane	102		88		70-130	15		20
1,2,3-Trichloropropane	101		85		64-130	17		20
Acrylonitrile	96		80		70-130	18		20
Styrene	117		104		70-130	12		20
Dichlorodifluoromethane	122		114		36-147	7		20
Acetone	100		82		58-148	20		20
Carbon disulfide	114		104		51-130	9		20

Lab Control Sample Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611568

Report Date: 04/25/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG886361-1 WG886361-2								
2-Butanone	101		85		63-138	17		20
Vinyl acetate	95		75		70-130	24	Q	20
4-Methyl-2-pentanone	89		74		59-130	18		20
2-Hexanone	83		69		57-130	18		20
Bromochloromethane	112		100		70-130	11		20
2,2-Dichloropropane	114		102		63-133	11		20
1,2-Dibromoethane	104		89		70-130	16		20
1,3-Dichloropropane	102		88		70-130	15		20
1,1,1,2-Tetrachloroethane	110		98		64-130	12		20
Bromobenzene	113		101		70-130	11		20
n-Butylbenzene	115		99		53-136	15		20
sec-Butylbenzene	115		102		70-130	12		20
tert-Butylbenzene	117		104		70-130	12		20
o-Chlorotoluene	109		101		70-130	8		20
p-Chlorotoluene	111		100		70-130	10		20
1,2-Dibromo-3-chloropropane	108		91		41-144	17		20
Hexachlorobutadiene	130		118		63-130	10		20
Isopropylbenzene	116		105		70-130	10		20
p-Isopropyltoluene	118		105		70-130	12		20
Naphthalene	106		85		70-130	22	Q	20
n-Propylbenzene	113		102		69-130	10		20

Lab Control Sample Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611568

Report Date: 04/25/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG886361-1 WG886361-2								
1,2,3-Trichlorobenzene	112		93		70-130	19		20
1,2,4-Trichlorobenzene	115		96		70-130	18		20
1,3,5-Trimethylbenzene	117		104		64-130	12		20
1,2,4-Trimethylbenzene	116		104		70-130	11		20
1,4-Dioxane	97		92		56-162	5		20
p-Diethylbenzene	119		104		70-130	13		20
p-Ethyltoluene	116		104		70-130	11		20
1,2,4,5-Tetramethylbenzene	118		101		70-130	16		20
Ethyl ether	102		89		59-134	14		20
trans-1,4-Dichloro-2-butene	89		70		70-130	24	Q	20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		86		70-130
Toluene-d8	95		96		70-130
4-Bromofluorobenzene	93		93		70-130
Dibromofluoromethane	97		95		70-130

INORGANICS & MISCELLANEOUS

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611568

Report Date: 04/25/16

SAMPLE RESULTS

Lab ID: L1611568-01

Client ID: RSB-8 38-40'

Sample Location: 1022 OLD COUNTRY RD., PLAINVIE

Matrix: Soil

Date Collected: 04/19/16 09:15

Date Received: 04/19/16

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.9		%	0.100	NA	1	-	04/20/16 13:27	121,2540G	RI



Project Name: MORTON VILLAGE**Project Number:** 2517.0001Y000**Lab Number:** L1611568**Report Date:** 04/25/16**SAMPLE RESULTS****Lab ID:** L1611568-02**Client ID:** RSB-9 28-30'**Sample Location:** 1022 OLD COUNTRY RD., PLAINVIE**Matrix:** Soil**Date Collected:** 04/19/16 10:30**Date Received:** 04/19/16**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.3		%	0.100	NA	1	-	04/20/16 13:27	121,2540G	RI



Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1611568
Report Date: 04/25/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG885540-1 QC Sample: L1611495-01 Client ID: DUP Sample						
Solids, Total	90.7	90.2	%	1		20

Project Name: MORTON VILLAGE

Lab Number: L1611568

Project Number: 2517.0001Y000

Report Date: 04/25/16

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Reagent H2O Preserved Vials Frozen on: 20-APR-16 02:28

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1611568-01A	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1611568-01B	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1611568-01C	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1611568-01D	Plastic 2oz unpreserved for TS	A	N/A	2.5	Y	Absent	TS(7)
L1611568-01X	Vial MeOH preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1611568-01Y	Vial Water preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1611568-01Z	Vial Water preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1611568-02A	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1611568-02B	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1611568-02C	5 gram Encore Sampler	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(2)
L1611568-02D	Plastic 2oz unpreserved for TS	A	N/A	2.5	Y	Absent	TS(7)
L1611568-02X	Vial MeOH preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1611568-02Y	Vial Water preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1611568-02Z	Vial Water preserved split	A	N/A	2.5	Y	Absent	NYTCL-8260HLW(14)
L1611568-03A	Vial HCl preserved	A	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1611568-03B	Vial HCl preserved	A	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1611568-03C	Vial HCl preserved	A	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1611568-04A	Vial HCl preserved	A	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1611568-04B	Vial HCl preserved	A	N/A	2.5	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1611568
Report Date: 04/25/16

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

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

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers



Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1611568
Report Date: 04/25/16

Data Qualifiers

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1611568
Report Date: 04/25/16

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 524.2: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene

EPA 624: 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene

EPA 625: Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.

EPA 1010A: NPW: Ignitability

EPA 6010C: NPW: Strontium; SCM: Strontium

EPA 8151A: NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene, Isopropanol; SCM: Iodomethane (methyl iodide), Methyl methacrylate (soil); 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 9010: NPW: Amenable Cyanide Distillation, Total Cyanide Distillation

EPA 9038: NPW: Sulfate

EPA 9050A: NPW: Specific Conductance

EPA 9056: NPW: Chloride, Nitrate, Sulfate

EPA 9065: NPW: Phenols

EPA 9251: NPW: Chloride

SM3500: NPW: Ferrous Iron

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.

SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility

EPA 8270D: NPW: Biphenyl; SCM: Biphenyl, Caprolactam

EPA 8270D-SIM Isotope Dilution: SCM: 1,4-Dioxane

SM 2540D: TSS

SM2540G: SCM: Percent Solids

EPA 1631E: SCM: Mercury

EPA 7474: SCM: Mercury

EPA 8081B: NPW and SCM: Mirex, Hexachlorobenzene.

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA 8270-SIM: NPW and SCM: Alkylated PAHs.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene, n-Butylbenzene, n-Propylbenzene, sec-Butylbenzene, tert-Butylbenzene.

Biological Tissue Matrix: **8270D-SIM; 3050B; 3051A; 7471B; 8081B; 8082A; 6020A:** Lead; **8270D:** bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Fluoranthene, Pentachlorophenol.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Ti; **EPA 200.7:** Ba, Be, Ca, Cd, Cr, Cu, Na; **EPA 245.1:** Mercury;

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO₃-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1,**

SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Ti, Zn;

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, Ti, Tl, V, Zn;

EPA 245.1, SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH₃-BH, EPA

350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO₃-F,**

EPA 353.2: Nitrate-N, **SM4500NH₃-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D,**

EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.**

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

[illegible]



ANALYTICAL REPORT

Lab Number:	L1611716
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Jeffrey Wills
Phone:	(631) 232-2366
Project Name:	MORTON VILLAGE
Project Number:	2517.0001Y000
Report Date:	04/26/16

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1611716
Report Date: 04/26/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1611716-01	GRAB 1	WATER	OLD COUNTRY RD., PLAINVIEW, NY	04/19/16 15:45	04/20/16
L1611716-02	TRIP BLANK	WATER	OLD COUNTRY RD., PLAINVIEW, NY	04/19/16 00:00	04/20/16

Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1611716
Report Date: 04/26/16

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1611716
Report Date: 04/26/16

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

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

Authorized Signature:



Cristin Walker

Title: Technical Director/Representative

Date: 04/26/16

ORGANICS

VOLATILES

Project Name: MORTON VILLAGE

Lab Number: L1611716

Project Number: 2517.0001Y000

Report Date: 04/26/16

SAMPLE RESULTS

Lab ID: L1611716-01
 Client ID: GRAB 1
 Sample Location: OLD COUNTRY RD., PLAINVIEW, NY
 Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 04/23/16 21:55
 Analyst: PD

Date Collected: 04/19/16 15:45
 Date Received: 04/20/16
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	83		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	0.22	J	ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	2.0	J	ug/l	2.5	0.70	1
Trichloroethene	19		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE

Lab Number: L1611716

Project Number: 2517.0001Y000

Report Date: 04/26/16

SAMPLE RESULTS

Lab ID: L1611716-01

Date Collected: 04/19/16 15:45

Client ID: GRAB 1

Date Received: 04/20/16

Sample Location: OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	70		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	72	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	17		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	3.8	J	ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE**Lab Number:** L1611716**Project Number:** 2517.0001Y000**Report Date:** 04/26/16**SAMPLE RESULTS****Lab ID:** L1611716-01**Date Collected:** 04/19/16 15:45**Client ID:** GRAB 1**Date Received:** 04/20/16**Sample Location:** OLD COUNTRY RD., PLAINVIEW, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: MORTON VILLAGE

Lab Number: L1611716

Project Number: 2517.0001Y000

Report Date: 04/26/16

SAMPLE RESULTS

Lab ID: L1611716-02
 Client ID: TRIP BLANK
 Sample Location: OLD COUNTRY RD., PLAINVIEW, NY
 Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 04/23/16 22:30
 Analyst: PD

Date Collected: 04/19/16 00:00
 Date Received: 04/20/16
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE

Lab Number: L1611716

Project Number: 2517.0001Y000

Report Date: 04/26/16

SAMPLE RESULTS

Lab ID: L1611716-02

Date Collected: 04/19/16 00:00

Client ID: TRIP BLANK

Date Received: 04/20/16

Sample Location: OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE**Lab Number:** L1611716**Project Number:** 2517.0001Y000**Report Date:** 04/26/16**SAMPLE RESULTS****Lab ID:** L1611716-02**Date Collected:** 04/19/16 00:00**Client ID:** TRIP BLANK**Date Received:** 04/20/16**Sample Location:** OLD COUNTRY RD., PLAINVIEW, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	84		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: MORTON VILLAGE

Lab Number: L1611716

Project Number: 2517.0001Y000

Report Date: 04/26/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/23/16 18:24
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG886704-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: MORTON VILLAGE

Lab Number: L1611716

Project Number: 2517.0001Y000

Report Date: 04/26/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/23/16 18:24
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG886704-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: MORTON VILLAGE

Lab Number: L1611716

Project Number: 2517.0001Y000

Report Date: 04/26/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 04/23/16 18:24
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG886704-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	116		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611716

Report Date: 04/26/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG886704-1 WG886704-2								
Methylene chloride	120		109		70-130	10		20
1,1-Dichloroethane	120		106		70-130	12		20
Chloroform	119		106		70-130	12		20
2-Chloroethylvinyl ether	90		102		70-130	13		20
Carbon tetrachloride	104		94		63-132	10		20
1,2-Dichloropropane	98		106		70-130	8		20
Dibromochloromethane	85		82		63-130	4		20
1,1,2-Trichloroethane	97		95		70-130	2		20
Tetrachloroethene	102		98		70-130	4		20
Chlorobenzene	105		101		75-130	4		20
Trichlorofluoromethane	106		96		62-150	10		20
1,2-Dichloroethane	111		102		70-130	8		20
1,1,1-Trichloroethane	118		105		67-130	12		20
Bromodichloromethane	103		104		67-130	1		20
trans-1,3-Dichloropropene	93		86		70-130	8		20
cis-1,3-Dichloropropene	114		107		70-130	6		20
1,1-Dichloropropene	120		106		70-130	12		20
Bromoform	73		63		54-136	15		20
1,1,2,2-Tetrachloroethane	92		75		67-130	20		20
Benzene	117		107		70-130	9		20
Toluene	104		100		70-130	4		20

Lab Control Sample Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611716

Report Date: 04/26/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG886704-1 WG886704-2								
Ethylbenzene	110		104		70-130	6		20
Chloromethane	117		107		64-130	9		20
Bromomethane	98		76		39-139	25	Q	20
Vinyl chloride	126		115		55-140	9		20
Chloroethane	120		107		55-138	11		20
1,1-Dichloroethene	109		100		61-145	9		20
trans-1,2-Dichloroethene	118		105		70-130	12		20
Trichloroethene	100		106		70-130	6		20
1,2-Dichlorobenzene	102		98		70-130	4		20
1,3-Dichlorobenzene	106		99		70-130	7		20
1,4-Dichlorobenzene	104		99		70-130	5		20
Methyl tert butyl ether	106		95		63-130	11		20
p/m-Xylene	111		103		70-130	7		20
o-Xylene	112		100		70-130	11		20
cis-1,2-Dichloroethene	118		104		70-130	13		20
Dibromomethane	95		101		70-130	6		20
1,2,3-Trichloropropane	89		81		64-130	9		20
Acrylonitrile	105		98		70-130	7		20
Isopropyl Ether	118		104		70-130	13		20
tert-Butyl Alcohol	89		86		70-130	3		20
Styrene	117		106		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611716

Report Date: 04/26/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG886704-1 WG886704-2								
Dichlorodifluoromethane	104		97		36-147	7		20
Acetone	108		91		58-148	17		20
Carbon disulfide	110		102		51-130	8		20
2-Butanone	106		88		63-138	19		20
Vinyl acetate	96		70		70-130	31	Q	20
4-Methyl-2-pentanone	81		90		59-130	11		20
2-Hexanone	84		82		57-130	2		20
Bromochloromethane	124		110		70-130	12		20
2,2-Dichloropropane	127		109		63-133	15		20
1,2-Dibromoethane	96		92		70-130	4		20
1,3-Dichloropropane	97		92		70-130	5		20
1,1,1,2-Tetrachloroethane	107		100		64-130	7		20
Bromobenzene	103		91		70-130	12		20
n-Butylbenzene	113		104		53-136	8		20
sec-Butylbenzene	111		104		70-130	7		20
tert-Butylbenzene	108		102		70-130	6		20
o-Chlorotoluene	102		91		70-130	11		20
p-Chlorotoluene	108		94		70-130	14		20
1,2-Dibromo-3-chloropropane	79		81		41-144	3		20
Hexachlorobutadiene	113		106		63-130	6		20
Isopropylbenzene	109		87		70-130	22	Q	20

Lab Control Sample Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1611716

Report Date: 04/26/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG886704-1 WG886704-2								
p-Isopropyltoluene	113		104		70-130	8		20
Naphthalene	92		94		70-130	2		20
n-Propylbenzene	111		96		69-130	14		20
1,2,3-Trichlorobenzene	90		96		70-130	6		20
1,2,4-Trichlorobenzene	101		98		70-130	3		20
1,3,5-Trimethylbenzene	110		96		64-130	14		20
1,2,4-Trimethylbenzene	111		103		70-130	7		20
Methyl Acetate	102		96		70-130	6		20
Ethyl Acetate	91		85		70-130	7		20
Cyclohexane	117		105		70-130	11		20
Ethyl-Tert-Butyl-Ether	114		101		70-130	12		20
Tertiary-Amyl Methyl Ether	112		100		66-130	11		20
1,4-Dioxane	93		96		56-162	3		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		102		70-130	8		20
p-Diethylbenzene	114		106		70-130	7		20
p-Ethyltoluene	110		96		70-130	14		20
1,2,4,5-Tetramethylbenzene	116		109		70-130	6		20
Ethyl ether	109		99		59-134	10		20
trans-1,4-Dichloro-2-butene	96		79		70-130	19		20
Iodomethane	44	Q	53	Q	70-130	19		20
Methyl cyclohexane	94		103		70-130	9		20

Lab Control Sample Analysis**Batch Quality Control****Project Name:** MORTON VILLAGE**Lab Number:** L1611716**Project Number:** 2517.0001Y000**Report Date:** 04/26/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG886704-1 WG886704-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		99		70-130
Toluene-d8	95		97		70-130
4-Bromofluorobenzene	100		89		70-130
Dibromofluoromethane	108		100		70-130

Project Name: MORTON VILLAGE**Project Number:** 2517.0001Y000**Lab Number:** L1611716**Report Date:** 04/26/16**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Cooler Information Custody Seal**Cooler**

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1611716-01A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1611716-01B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1611716-01C	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1611716-02A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1611716-02B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1611716-02C	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1611716-02D	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1611716
Report Date: 04/26/16

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

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

Data Qualifiers

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

Report Format: DU Report with 'J' Qualifiers



Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1611716
Report Date: 04/26/16

Data Qualifiers

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1611716
Report Date: 04/26/16

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 524.2: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene

EPA 624: 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene

EPA 625: Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.

EPA 1010A: NPW: Ignitability

EPA 6010C: NPW: Strontium; SCM: Strontium

EPA 8151A: NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene, Isopropanol; SCM: Iodomethane (methyl iodide), Methyl methacrylate (soil); 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 9010: NPW: Amenable Cyanide Distillation, Total Cyanide Distillation

EPA 9038: NPW: Sulfate

EPA 9050A: NPW: Specific Conductance

EPA 9056: NPW: Chloride, Nitrate, Sulfate

EPA 9065: NPW: Phenols

EPA 9251: NPW: Chloride

SM3500: NPW: Ferrous Iron

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.

SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility

EPA 8270D: NPW: Biphenyl; SCM: Biphenyl, Caprolactam

EPA 8270D-SIM Isotope Dilution: SCM: 1,4-Dioxane

SM 2540D: TSS

SM2540G: SCM: Percent Solids

EPA 1631E: SCM: Mercury

EPA 7474: SCM: Mercury

EPA 8081B: NPW and SCM: Mirex, Hexachlorobenzene.

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA 8270-SIM: NPW and SCM: Alkylated PAHs.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene, n-Butylbenzene, n-Propylbenzene, sec-Butylbenzene, tert-Butylbenzene.

Biological Tissue Matrix: **8270D-SIM; 3050B; 3051A; 7471B; 8081B; 8082A; 6020A:** Lead; **8270D:** bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Fluoranthene, Pentachlorophenol.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Ti; **EPA 200.7:** Ba, Be, Ca, Cd, Cr, Cu, Na; **EPA 245.1:** Mercury;

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO₃-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1,**

SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Ti, Zn;

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, Ti, Tl, V, Zn;

EPA 245.1, SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH₃-BH, EPA

350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO₃-F,**

EPA 353.2: Nitrate-N, **SM4500NH₃-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D,**

EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.**

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

4/20/16

41611716

Total Bottle

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)



ANALYTICAL REPORT

Lab Number:	L1608262
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Jeffrey Wills
Phone:	(631) 232-2366
Project Name:	MORTON VILLAGE
Project Number:	2517.0001Y000
Report Date:	03/29/16

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), ME (MA00030), PA (68-02089), VA (460194), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), USFWS (Permit #LE2069641), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1608262
Report Date: 03/29/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1608262-01	IA-1 (BASEMENT)	AIR	OLD COUNTRY RD., PLAINVIEW, NY	03/22/16 16:30	03/22/16
L1608262-02	IA-2 (MAIN FLOOR)	AIR	OLD COUNTRY RD., PLAINVIEW, NY	03/22/16 16:40	03/22/16
L1608262-03	DUP03222016-1	AIR	OLD COUNTRY RD., PLAINVIEW, NY	03/22/16 16:34	03/22/16
L1608262-04	SV-1	SOIL_VAPOR	OLD COUNTRY RD., PLAINVIEW, NY	03/22/16 11:06	03/22/16
L1608262-05	SV-2	SOIL_VAPOR	OLD COUNTRY RD., PLAINVIEW, NY	03/22/16 10:59	03/22/16
L1608262-06	SV-3	SOIL_VAPOR	OLD COUNTRY RD., PLAINVIEW, NY	03/22/16 11:02	03/22/16
L1608262-07	SV-4	SOIL_VAPOR	OLD COUNTRY RD., PLAINVIEW, NY	03/22/16 10:58	03/22/16
L1608262-08	DUP03222106-2	SOIL_VAPOR	OLD COUNTRY RD., PLAINVIEW, NY	03/22/16 15:02	03/22/16

Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1608262
Report Date: 03/29/16

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1608262
Report Date: 03/29/16

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on March 22, 2016. The canister certification results are provided as an addendum.

Samples L1608262-01 through -03: The samples were diluted and re-analyzed to quantify the results within the calibration range. The results should be considered estimated, and are qualified with an E flag, for any compound that exceeded the calibration range in the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

Samples L1608262-04 through -08: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

The WG877720-5 Laboratory Duplicate RPD, performed on L1608262-01, is above the acceptance criteria for Dichlorodifluoromethane (33%); however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

Sample Receipt

The flow controller ID number listed on the chain of custody form for the sample designated SV-1 (L1608262-04) is 179 however it should be 0728.

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

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 03/29/16

AIR

Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-01
Client ID: IA-1 (BASEMENT)
Sample Location: OLD COUNTRY RD., PLAINVIEW, NY
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/26/16 20:24
Analyst: RY

Date Collected: 03/22/16 16:30
Date Received: 03/22/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.517	0.200	--	2.56	0.989	--		1
Chloromethane	0.591	0.200	--	1.22	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	2070	5.00	--	3900	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	11.8	1.00	--	28.0	2.38	--		1
Trichlorofluoromethane	0.229	0.200	--	1.29	1.12	--		1
Isopropanol	3.25	0.500	--	7.99	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	0.547	0.500	--	1.90	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	1.82	0.500	--	6.56	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16**SAMPLE RESULTS****Lab ID:** L1608262-01**Date Collected:** 03/22/16 16:30**Client ID:** IA-1 (BASEMENT)**Date Received:** 03/22/16**Sample Location:** OLD COUNTRY RD., PLAINVIEW, NY**Field Prep:** Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.569	0.200	--	2.14	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-01

Date Collected: 03/22/16 16:30

Client ID: IA-1 (BASEMENT)

Date Received: 03/22/16

Sample Location: OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	87		60-140



Project Name: MORTON VILLAGE**Project Number:** 2517.0001Y000**Lab Number:** L1608262**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-01
Client ID: IA-1 (BASEMENT)
Sample Location: OLD COUNTRY RD., PLAINVIEW, NY
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/26/16 20:24
Analyst: RY

Date Collected: 03/22/16 16:30
Date Received: 03/22/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.083	0.020	--	0.329	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	0.147	0.020	--	0.790	0.107	--		1
Tetrachloroethene	3.65	0.020	--	24.8	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	95		60-140
chlorobenzene-d5	89		60-140



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-01 D
 Client ID: IA-1 (BASEMENT)
 Sample Location: OLD COUNTRY RD., PLAINVIEW, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/27/16 07:57
 Analyst: RY

Date Collected: 03/22/16 16:30
 Date Received: 03/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethanol	2970	50.0	--	5600	94.2	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	85		60-140

Project Name: MORTON VILLAGE**Project Number:** 2517.0001Y000**Lab Number:** L1608262**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-02
Client ID: IA-2 (MAIN FLOOR)
Sample Location: OLD COUNTRY RD., PLAINVIEW, NY
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/26/16 21:32
Analyst: RY

Date Collected: 03/22/16 16:40
Date Received: 03/22/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.486	0.200	--	2.40	0.989	--		1
Chloromethane	0.626	0.200	--	1.29	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	5410	5.00	--	10200	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	8.95	1.00	--	21.3	2.38	--		1
Trichlorofluoromethane	0.222	0.200	--	1.25	1.12	--		1
Isopropanol	2.25	0.500	--	5.53	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.10	0.500	--	3.82	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.821	0.500	--	2.42	1.47	--		1
Ethyl Acetate	4.03	0.500	--	14.5	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16**SAMPLE RESULTS****Lab ID:** L1608262-02**Date Collected:** 03/22/16 16:40**Client ID:** IA-2 (MAIN FLOOR)**Date Received:** 03/22/16**Sample Location:** OLD COUNTRY RD., PLAINVIEW, NY**Field Prep:** Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.426	0.200	--	1.61	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-02

Date Collected: 03/22/16 16:40

Client ID: IA-2 (MAIN FLOOR)

Date Received: 03/22/16

Sample Location: OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	84		60-140



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-02
Client ID: IA-2 (MAIN FLOOR)
Sample Location: OLD COUNTRY RD., PLAINVIEW, NY
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/26/16 21:32
Analyst: RY

Date Collected: 03/22/16 16:40
Date Received: 03/22/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.069	0.020	--	0.434	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.106	0.020	--	0.719	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	87		60-140



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-02 D
 Client ID: IA-2 (MAIN FLOOR)
 Sample Location: OLD COUNTRY RD., PLAINVIEW, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/27/16 09:00
 Analyst: RY

Date Collected: 03/22/16 16:40
 Date Received: 03/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethanol	9430	125	--	17800	236	--		25

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	85		60-140

Project Name: MORTON VILLAGE**Project Number:** 2517.0001Y000**Lab Number:** L1608262**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-03
Client ID: DUP03222016-1
Sample Location: OLD COUNTRY RD., PLAINVIEW, NY
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/26/16 22:07
Analyst: RY

Date Collected: 03/22/16 16:34
Date Received: 03/22/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.399	0.200	--	1.97	0.989	--		1
Chloromethane	0.572	0.200	--	1.18	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	2020	5.00	--	3810	9.42	--	E	1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	12.5	1.00	--	29.7	2.38	--		1
Trichlorofluoromethane	0.248	0.200	--	1.39	1.12	--		1
Isopropanol	3.08	0.500	--	7.57	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	4.03	0.500	--	14.0	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
Ethyl Acetate	1.84	0.500	--	6.63	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16**SAMPLE RESULTS****Lab ID:** L1608262-03**Date Collected:** 03/22/16 16:34**Client ID:** DUP03222016-1**Date Received:** 03/22/16**Sample Location:** OLD COUNTRY RD., PLAINVIEW, NY**Field Prep:** Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.822	0.200	--	3.10	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-03

Date Collected: 03/22/16 16:34

Client ID: DUP03222016-1

Date Received: 03/22/16

Sample Location: OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	91		60-140
chlorobenzene-d5	86		60-140

Project Name: MORTON VILLAGE**Project Number:** 2517.0001Y000**Lab Number:** L1608262**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-03
 Client ID: DUP03222016-1
 Sample Location: OLD COUNTRY RD., PLAINVIEW, NY
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/26/16 22:07
 Analyst: RY

Date Collected: 03/22/16 16:34
 Date Received: 03/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	0.080	0.020	--	0.317	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.073	0.020	--	0.459	0.126	--		1
Trichloroethene	0.142	0.020	--	0.763	0.107	--		1
Tetrachloroethene	3.44	0.020	--	23.3	0.136	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	88		60-140



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-03 D
 Client ID: DUP03222016-1
 Sample Location: OLD COUNTRY RD., PLAINVIEW, NY
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/27/16 09:31
 Analyst: RY

Date Collected: 03/22/16 16:34
 Date Received: 03/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Ethanol	2840	50.0	--	5350	94.2	--		10

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	85		60-140

Project Name: MORTON VILLAGE**Project Number:** 2517.0001Y000**Lab Number:** L1608262**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-04 D
Client ID: SV-1
Sample Location: OLD COUNTRY RD., PLAINVIEW, NY
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 03/27/16 10:04
Analyst: RY

Date Collected: 03/22/16 11:06
Date Received: 03/22/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	8.81	--	ND	43.6	--		44.05
Chloromethane	ND	8.81	--	ND	18.2	--		44.05
Freon-114	ND	8.81	--	ND	61.6	--		44.05
Vinyl chloride	ND	8.81	--	ND	22.5	--		44.05
1,3-Butadiene	ND	8.81	--	ND	19.5	--		44.05
Bromomethane	ND	8.81	--	ND	34.2	--		44.05
Chloroethane	ND	8.81	--	ND	23.2	--		44.05
Ethanol	306	220	--	577	415	--		44.05
Vinyl bromide	ND	8.81	--	ND	38.5	--		44.05
Acetone	ND	44.0	--	ND	105	--		44.05
Trichlorofluoromethane	ND	8.81	--	ND	49.5	--		44.05
Isopropanol	ND	22.0	--	ND	54.1	--		44.05
1,1-Dichloroethene	ND	8.81	--	ND	34.9	--		44.05
Tertiary butyl Alcohol	ND	22.0	--	ND	66.7	--		44.05
Methylene chloride	ND	22.0	--	ND	76.4	--		44.05
3-Chloropropene	ND	8.81	--	ND	27.6	--		44.05
Carbon disulfide	ND	8.81	--	ND	27.4	--		44.05
Freon-113	ND	8.81	--	ND	67.5	--		44.05
trans-1,2-Dichloroethene	ND	8.81	--	ND	34.9	--		44.05
1,1-Dichloroethane	ND	8.81	--	ND	35.7	--		44.05
Methyl tert butyl ether	ND	8.81	--	ND	31.8	--		44.05
2-Butanone	ND	22.0	--	ND	64.9	--		44.05
cis-1,2-Dichloroethene	152	8.81	--	603	34.9	--		44.05
Ethyl Acetate	ND	22.0	--	ND	79.3	--		44.05



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-04 D

Date Collected: 03/22/16 11:06

Client ID: SV-1

Date Received: 03/22/16

Sample Location: OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	8.81	--	ND	43.0	--		44.05
Tetrahydrofuran	ND	22.0	--	ND	64.9	--		44.05
1,2-Dichloroethane	ND	8.81	--	ND	35.7	--		44.05
n-Hexane	ND	8.81	--	ND	31.0	--		44.05
1,1,1-Trichloroethane	ND	8.81	--	ND	48.1	--		44.05
Benzene	ND	8.81	--	ND	28.1	--		44.05
Carbon tetrachloride	ND	8.81	--	ND	55.4	--		44.05
Cyclohexane	ND	8.81	--	ND	30.3	--		44.05
1,2-Dichloropropane	ND	8.81	--	ND	40.7	--		44.05
Bromodichloromethane	ND	8.81	--	ND	59.0	--		44.05
1,4-Dioxane	ND	8.81	--	ND	31.7	--		44.05
Trichloroethene	239	8.81	--	1280	47.3	--		44.05
2,2,4-Trimethylpentane	ND	8.81	--	ND	41.1	--		44.05
Heptane	ND	8.81	--	ND	36.1	--		44.05
cis-1,3-Dichloropropene	ND	8.81	--	ND	40.0	--		44.05
4-Methyl-2-pentanone	ND	22.0	--	ND	90.2	--		44.05
trans-1,3-Dichloropropene	ND	8.81	--	ND	40.0	--		44.05
1,1,2-Trichloroethane	ND	8.81	--	ND	48.1	--		44.05
Toluene	ND	8.81	--	ND	33.2	--		44.05
2-Hexanone	ND	8.81	--	ND	36.1	--		44.05
Dibromochloromethane	ND	8.81	--	ND	75.1	--		44.05
1,2-Dibromoethane	ND	8.81	--	ND	67.7	--		44.05
Tetrachloroethene	2770	8.81	--	18800	59.7	--		44.05
Chlorobenzene	ND	8.81	--	ND	40.6	--		44.05
Ethylbenzene	ND	8.81	--	ND	38.3	--		44.05
p/m-Xylene	ND	17.6	--	ND	76.4	--		44.05
Bromoform	ND	8.81	--	ND	91.1	--		44.05
Styrene	ND	8.81	--	ND	37.5	--		44.05



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-04 D

Date Collected: 03/22/16 11:06

Client ID: SV-1

Date Received: 03/22/16

Sample Location: OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	8.81	--	ND	60.5	--		44.05
o-Xylene	ND	8.81	--	ND	38.3	--		44.05
4-Ethyltoluene	ND	8.81	--	ND	43.3	--		44.05
1,3,5-Trimethylbenzene	ND	8.81	--	ND	43.3	--		44.05
1,2,4-Trimethylbenzene	ND	8.81	--	ND	43.3	--		44.05
Benzyl chloride	ND	8.81	--	ND	45.6	--		44.05
1,3-Dichlorobenzene	ND	8.81	--	ND	53.0	--		44.05
1,4-Dichlorobenzene	ND	8.81	--	ND	53.0	--		44.05
1,2-Dichlorobenzene	ND	8.81	--	ND	53.0	--		44.05
1,2,4-Trichlorobenzene	ND	8.81	--	ND	65.4	--		44.05
Hexachlorobutadiene	ND	8.81	--	ND	94.0	--		44.05

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	94		60-140



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-05 D
 Client ID: SV-2
 Sample Location: OLD COUNTRY RD., PLAINVIEW, NY
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/27/16 10:38
 Analyst: RY

Date Collected: 03/22/16 10:59
 Date Received: 03/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	6.12	--	ND	30.3	--		30.6
Chloromethane	ND	6.12	--	ND	12.6	--		30.6
Freon-114	ND	6.12	--	ND	42.8	--		30.6
Vinyl chloride	ND	6.12	--	ND	15.6	--		30.6
1,3-Butadiene	ND	6.12	--	ND	13.5	--		30.6
Bromomethane	ND	6.12	--	ND	23.8	--		30.6
Chloroethane	ND	6.12	--	ND	16.1	--		30.6
Ethanol	ND	153	--	ND	288	--		30.6
Vinyl bromide	ND	6.12	--	ND	26.8	--		30.6
Acetone	ND	30.6	--	ND	72.7	--		30.6
Trichlorofluoromethane	ND	6.12	--	ND	34.4	--		30.6
Isopropanol	ND	15.3	--	ND	37.6	--		30.6
1,1-Dichloroethene	ND	6.12	--	ND	24.3	--		30.6
Tertiary butyl Alcohol	ND	15.3	--	ND	46.4	--		30.6
Methylene chloride	ND	15.3	--	ND	53.2	--		30.6
3-Chloropropene	ND	6.12	--	ND	19.2	--		30.6
Carbon disulfide	ND	6.12	--	ND	19.1	--		30.6
Freon-113	ND	6.12	--	ND	46.9	--		30.6
trans-1,2-Dichloroethene	ND	6.12	--	ND	24.3	--		30.6
1,1-Dichloroethane	ND	6.12	--	ND	24.8	--		30.6
Methyl tert butyl ether	ND	6.12	--	ND	22.1	--		30.6
2-Butanone	ND	15.3	--	ND	45.1	--		30.6
cis-1,2-Dichloroethene	85.3	6.12	--	338	24.3	--		30.6
Ethyl Acetate	ND	15.3	--	ND	55.1	--		30.6



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-05 D

Date Collected: 03/22/16 10:59

Client ID: SV-2

Date Received: 03/22/16

Sample Location: OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	6.12	--	ND	29.9	--		30.6
Tetrahydrofuran	ND	15.3	--	ND	45.1	--		30.6
1,2-Dichloroethane	ND	6.12	--	ND	24.8	--		30.6
n-Hexane	ND	6.12	--	ND	21.6	--		30.6
1,1,1-Trichloroethane	ND	6.12	--	ND	33.4	--		30.6
Benzene	ND	6.12	--	ND	19.6	--		30.6
Carbon tetrachloride	ND	6.12	--	ND	38.5	--		30.6
Cyclohexane	ND	6.12	--	ND	21.1	--		30.6
1,2-Dichloropropane	ND	6.12	--	ND	28.3	--		30.6
Bromodichloromethane	ND	6.12	--	ND	41.0	--		30.6
1,4-Dioxane	ND	6.12	--	ND	22.1	--		30.6
Trichloroethene	142	6.12	--	763	32.9	--		30.6
2,2,4-Trimethylpentane	ND	6.12	--	ND	28.6	--		30.6
Heptane	ND	6.12	--	ND	25.1	--		30.6
cis-1,3-Dichloropropene	ND	6.12	--	ND	27.8	--		30.6
4-Methyl-2-pentanone	ND	15.3	--	ND	62.7	--		30.6
trans-1,3-Dichloropropene	ND	6.12	--	ND	27.8	--		30.6
1,1,2-Trichloroethane	ND	6.12	--	ND	33.4	--		30.6
Toluene	ND	6.12	--	ND	23.1	--		30.6
2-Hexanone	ND	6.12	--	ND	25.1	--		30.6
Dibromochloromethane	ND	6.12	--	ND	52.1	--		30.6
1,2-Dibromoethane	ND	6.12	--	ND	47.0	--		30.6
Tetrachloroethene	2100	6.12	--	14200	41.5	--		30.6
Chlorobenzene	ND	6.12	--	ND	28.2	--		30.6
Ethylbenzene	ND	6.12	--	ND	26.6	--		30.6
p/m-Xylene	ND	12.2	--	ND	53.0	--		30.6
Bromoform	ND	6.12	--	ND	63.3	--		30.6
Styrene	ND	6.12	--	ND	26.1	--		30.6



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-05 D

Date Collected: 03/22/16 10:59

Client ID: SV-2

Date Received: 03/22/16

Sample Location: OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	6.12	--	ND	42.0	--		30.6
o-Xylene	ND	6.12	--	ND	26.6	--		30.6
4-Ethyltoluene	ND	6.12	--	ND	30.1	--		30.6
1,3,5-Trimethylbenzene	ND	6.12	--	ND	30.1	--		30.6
1,2,4-Trimethylbenzene	ND	6.12	--	ND	30.1	--		30.6
Benzyl chloride	ND	6.12	--	ND	31.7	--		30.6
1,3-Dichlorobenzene	ND	6.12	--	ND	36.8	--		30.6
1,4-Dichlorobenzene	ND	6.12	--	ND	36.8	--		30.6
1,2-Dichlorobenzene	ND	6.12	--	ND	36.8	--		30.6
1,2,4-Trichlorobenzene	ND	6.12	--	ND	45.4	--		30.6
Hexachlorobutadiene	ND	6.12	--	ND	65.3	--		30.6

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	92		60-140



Project Name: MORTON VILLAGE**Project Number:** 2517.0001Y000**Lab Number:** L1608262**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-06 D
 Client ID: SV-3
 Sample Location: OLD COUNTRY RD., PLAINVIEW, NY
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/26/16 23:42
 Analyst: RY

Date Collected: 03/22/16 11:02
 Date Received: 03/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.500	--	ND	2.47	--		2.5
Chloromethane	ND	0.500	--	ND	1.03	--		2.5
Freon-114	ND	0.500	--	ND	3.49	--		2.5
Vinyl chloride	ND	0.500	--	ND	1.28	--		2.5
1,3-Butadiene	ND	0.500	--	ND	1.11	--		2.5
Bromomethane	ND	0.500	--	ND	1.94	--		2.5
Chloroethane	ND	0.500	--	ND	1.32	--		2.5
Ethanol	81.3	12.5	--	153	23.6	--		2.5
Vinyl bromide	ND	0.500	--	ND	2.19	--		2.5
Acetone	9.60	2.50	--	22.8	5.94	--		2.5
Trichlorofluoromethane	ND	0.500	--	ND	2.81	--		2.5
Isopropanol	2.34	1.25	--	5.75	3.07	--		2.5
1,1-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
Tertiary butyl Alcohol	ND	1.25	--	ND	3.79	--		2.5
Methylene chloride	ND	1.25	--	ND	4.34	--		2.5
3-Chloropropene	ND	0.500	--	ND	1.57	--		2.5
Carbon disulfide	ND	0.500	--	ND	1.56	--		2.5
Freon-113	ND	0.500	--	ND	3.83	--		2.5
trans-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
1,1-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
Methyl tert butyl ether	ND	0.500	--	ND	1.80	--		2.5
2-Butanone	ND	1.25	--	ND	3.69	--		2.5
cis-1,2-Dichloroethene	2.88	0.500	--	11.4	1.98	--		2.5
Ethyl Acetate	ND	1.25	--	ND	4.50	--		2.5



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-06 D

Date Collected: 03/22/16 11:02

Client ID: SV-3

Date Received: 03/22/16

Sample Location: OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.548	0.500	--	2.68	2.44	--		2.5
Tetrahydrofuran	ND	1.25	--	ND	3.69	--		2.5
1,2-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
n-Hexane	ND	0.500	--	ND	1.76	--		2.5
1,1,1-Trichloroethane	ND	0.500	--	ND	2.73	--		2.5
Benzene	ND	0.500	--	ND	1.60	--		2.5
Carbon tetrachloride	ND	0.500	--	ND	3.15	--		2.5
Cyclohexane	ND	0.500	--	ND	1.72	--		2.5
1,2-Dichloropropane	ND	0.500	--	ND	2.31	--		2.5
Bromodichloromethane	ND	0.500	--	ND	3.35	--		2.5
1,4-Dioxane	ND	0.500	--	ND	1.80	--		2.5
Trichloroethene	11.0	0.500	--	59.1	2.69	--		2.5
2,2,4-Trimethylpentane	ND	0.500	--	ND	2.34	--		2.5
Heptane	ND	0.500	--	ND	2.05	--		2.5
cis-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
4-Methyl-2-pentanone	ND	1.25	--	ND	5.12	--		2.5
trans-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
1,1,2-Trichloroethane	ND	0.500	--	ND	2.73	--		2.5
Toluene	0.862	0.500	--	3.25	1.88	--		2.5
2-Hexanone	ND	0.500	--	ND	2.05	--		2.5
Dibromochloromethane	ND	0.500	--	ND	4.26	--		2.5
1,2-Dibromoethane	ND	0.500	--	ND	3.84	--		2.5
Tetrachloroethene	159	0.500	--	1080	3.39	--		2.5
Chlorobenzene	ND	0.500	--	ND	2.30	--		2.5
Ethylbenzene	ND	0.500	--	ND	2.17	--		2.5
p/m-Xylene	1.14	1.00	--	4.95	4.34	--		2.5
Bromoform	ND	0.500	--	ND	5.17	--		2.5
Styrene	ND	0.500	--	ND	2.13	--		2.5



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-06 D

Date Collected: 03/22/16 11:02

Client ID: SV-3

Date Received: 03/22/16

Sample Location: OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.500	--	ND	3.43	--		2.5
o-Xylene	ND	0.500	--	ND	2.17	--		2.5
4-Ethyltoluene	ND	0.500	--	ND	2.46	--		2.5
1,3,5-Trimethylbenzene	ND	0.500	--	ND	2.46	--		2.5
1,2,4-Trimethylbenzene	ND	0.500	--	ND	2.46	--		2.5
Benzyl chloride	ND	0.500	--	ND	2.59	--		2.5
1,3-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,4-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,2-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,2,4-Trichlorobenzene	ND	0.500	--	ND	3.71	--		2.5
Hexachlorobutadiene	ND	0.500	--	ND	5.33	--		2.5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	92		60-140



Project Name: MORTON VILLAGE**Project Number:** 2517.0001Y000**Lab Number:** L1608262**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-07 D
 Client ID: SV-4
 Sample Location: OLD COUNTRY RD., PLAINVIEW, NY
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/27/16 00:13
 Analyst: RY

Date Collected: 03/22/16 10:58
 Date Received: 03/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.500	--	ND	2.47	--		2.5
Chloromethane	ND	0.500	--	ND	1.03	--		2.5
Freon-114	ND	0.500	--	ND	3.49	--		2.5
Vinyl chloride	ND	0.500	--	ND	1.28	--		2.5
1,3-Butadiene	ND	0.500	--	ND	1.11	--		2.5
Bromomethane	ND	0.500	--	ND	1.94	--		2.5
Chloroethane	ND	0.500	--	ND	1.32	--		2.5
Ethanol	39.3	12.5	--	74.1	23.6	--		2.5
Vinyl bromide	ND	0.500	--	ND	2.19	--		2.5
Acetone	3.32	2.50	--	7.89	5.94	--		2.5
Trichlorofluoromethane	ND	0.500	--	ND	2.81	--		2.5
Isopropanol	ND	1.25	--	ND	3.07	--		2.5
1,1-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
Tertiary butyl Alcohol	ND	1.25	--	ND	3.79	--		2.5
Methylene chloride	ND	1.25	--	ND	4.34	--		2.5
3-Chloropropene	ND	0.500	--	ND	1.57	--		2.5
Carbon disulfide	ND	0.500	--	ND	1.56	--		2.5
Freon-113	ND	0.500	--	ND	3.83	--		2.5
trans-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
1,1-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
Methyl tert butyl ether	ND	0.500	--	ND	1.80	--		2.5
2-Butanone	ND	1.25	--	ND	3.69	--		2.5
cis-1,2-Dichloroethene	4.09	0.500	--	16.2	1.98	--		2.5
Ethyl Acetate	ND	1.25	--	ND	4.50	--		2.5



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-07 D

Date Collected: 03/22/16 10:58

Client ID: SV-4

Date Received: 03/22/16

Sample Location: OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.732	0.500	--	3.57	2.44	--		2.5
Tetrahydrofuran	ND	1.25	--	ND	3.69	--		2.5
1,2-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
n-Hexane	ND	0.500	--	ND	1.76	--		2.5
1,1,1-Trichloroethane	ND	0.500	--	ND	2.73	--		2.5
Benzene	ND	0.500	--	ND	1.60	--		2.5
Carbon tetrachloride	ND	0.500	--	ND	3.15	--		2.5
Cyclohexane	ND	0.500	--	ND	1.72	--		2.5
1,2-Dichloropropane	ND	0.500	--	ND	2.31	--		2.5
Bromodichloromethane	ND	0.500	--	ND	3.35	--		2.5
1,4-Dioxane	ND	0.500	--	ND	1.80	--		2.5
Trichloroethene	12.6	0.500	--	67.7	2.69	--		2.5
2,2,4-Trimethylpentane	ND	0.500	--	ND	2.34	--		2.5
Heptane	ND	0.500	--	ND	2.05	--		2.5
cis-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
4-Methyl-2-pentanone	ND	1.25	--	ND	5.12	--		2.5
trans-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
1,1,2-Trichloroethane	ND	0.500	--	ND	2.73	--		2.5
Toluene	1.02	0.500	--	3.84	1.88	--		2.5
2-Hexanone	ND	0.500	--	ND	2.05	--		2.5
Dibromochloromethane	ND	0.500	--	ND	4.26	--		2.5
1,2-Dibromoethane	ND	0.500	--	ND	3.84	--		2.5
Tetrachloroethene	172	0.500	--	1170	3.39	--		2.5
Chlorobenzene	ND	0.500	--	ND	2.30	--		2.5
Ethylbenzene	ND	0.500	--	ND	2.17	--		2.5
p/m-Xylene	1.33	1.00	--	5.78	4.34	--		2.5
Bromoform	ND	0.500	--	ND	5.17	--		2.5
Styrene	ND	0.500	--	ND	2.13	--		2.5



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-07 D

Date Collected: 03/22/16 10:58

Client ID: SV-4

Date Received: 03/22/16

Sample Location: OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.500	--	ND	3.43	--		2.5
o-Xylene	ND	0.500	--	ND	2.17	--		2.5
4-Ethyltoluene	ND	0.500	--	ND	2.46	--		2.5
1,3,5-Trimethylbenzene	ND	0.500	--	ND	2.46	--		2.5
1,2,4-Trimethylbenzene	ND	0.500	--	ND	2.46	--		2.5
Benzyl chloride	ND	0.500	--	ND	2.59	--		2.5
1,3-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,4-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,2-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,2,4-Trichlorobenzene	ND	0.500	--	ND	3.71	--		2.5
Hexachlorobutadiene	ND	0.500	--	ND	5.33	--		2.5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	91		60-140



Project Name: MORTON VILLAGE**Project Number:** 2517.0001Y000**Lab Number:** L1608262**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-08 D
 Client ID: DUP03222106-2
 Sample Location: OLD COUNTRY RD., PLAINVIEW, NY
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 03/27/16 00:45
 Analyst: RY

Date Collected: 03/22/16 15:02
 Date Received: 03/22/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.667	--	ND	3.30	--		3.333
Chloromethane	ND	0.667	--	ND	1.38	--		3.333
Freon-114	ND	0.667	--	ND	4.66	--		3.333
Vinyl chloride	ND	0.667	--	ND	1.71	--		3.333
1,3-Butadiene	ND	0.667	--	ND	1.48	--		3.333
Bromomethane	ND	0.667	--	ND	2.59	--		3.333
Chloroethane	ND	0.667	--	ND	1.76	--		3.333
Ethanol	66.5	16.7	--	125	31.5	--		3.333
Vinyl bromide	ND	0.667	--	ND	2.92	--		3.333
Acetone	6.74	3.33	--	16.0	7.91	--		3.333
Trichlorofluoromethane	ND	0.667	--	ND	3.75	--		3.333
Isopropanol	ND	1.67	--	ND	4.10	--		3.333
1,1-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
Tertiary butyl Alcohol	ND	1.67	--	ND	5.06	--		3.333
Methylene chloride	ND	1.67	--	ND	5.80	--		3.333
3-Chloropropene	ND	0.667	--	ND	2.09	--		3.333
Carbon disulfide	ND	0.667	--	ND	2.08	--		3.333
Freon-113	ND	0.667	--	ND	5.11	--		3.333
trans-1,2-Dichloroethene	ND	0.667	--	ND	2.64	--		3.333
1,1-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
Methyl tert butyl ether	ND	0.667	--	ND	2.40	--		3.333
2-Butanone	ND	1.67	--	ND	4.93	--		3.333
cis-1,2-Dichloroethene	2.99	0.667	--	11.9	2.64	--		3.333
Ethyl Acetate	ND	1.67	--	ND	6.02	--		3.333



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-08 D

Date Collected: 03/22/16 15:02

Client ID: DUP03222106-2

Date Received: 03/22/16

Sample Location: OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.667	--	ND	3.26	--		3.333
Tetrahydrofuran	ND	1.67	--	ND	4.93	--		3.333
1,2-Dichloroethane	ND	0.667	--	ND	2.70	--		3.333
n-Hexane	ND	0.667	--	ND	2.35	--		3.333
1,1,1-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Benzene	ND	0.667	--	ND	2.13	--		3.333
Carbon tetrachloride	ND	0.667	--	ND	4.20	--		3.333
Cyclohexane	1.29	0.667	--	4.44	2.30	--		3.333
1,2-Dichloropropane	ND	0.667	--	ND	3.08	--		3.333
Bromodichloromethane	ND	0.667	--	ND	4.47	--		3.333
1,4-Dioxane	ND	0.667	--	ND	2.40	--		3.333
Trichloroethene	12.4	0.667	--	66.6	3.58	--		3.333
2,2,4-Trimethylpentane	ND	0.667	--	ND	3.12	--		3.333
Heptane	ND	0.667	--	ND	2.73	--		3.333
cis-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
4-Methyl-2-pentanone	ND	1.67	--	ND	6.84	--		3.333
trans-1,3-Dichloropropene	ND	0.667	--	ND	3.03	--		3.333
1,1,2-Trichloroethane	ND	0.667	--	ND	3.64	--		3.333
Toluene	ND	0.667	--	ND	2.51	--		3.333
2-Hexanone	ND	0.667	--	ND	2.73	--		3.333
Dibromochloromethane	ND	0.667	--	ND	5.68	--		3.333
1,2-Dibromoethane	ND	0.667	--	ND	5.13	--		3.333
Tetrachloroethene	221	0.667	--	1500	4.52	--		3.333
Chlorobenzene	ND	0.667	--	ND	3.07	--		3.333
Ethylbenzene	ND	0.667	--	ND	2.90	--		3.333
p/m-Xylene	ND	1.33	--	ND	5.78	--		3.333
Bromoform	ND	0.667	--	ND	6.90	--		3.333
Styrene	ND	0.667	--	ND	2.84	--		3.333



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16**SAMPLE RESULTS**

Lab ID: L1608262-08 D

Date Collected: 03/22/16 15:02

Client ID: DUP03222106-2

Date Received: 03/22/16

Sample Location: OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.667	--	ND	4.58	--		3.333
o-Xylene	ND	0.667	--	ND	2.90	--		3.333
4-Ethyltoluene	ND	0.667	--	ND	3.28	--		3.333
1,3,5-Trimethylbenzene	ND	0.667	--	ND	3.28	--		3.333
1,2,4-Trimethylbenzene	ND	0.667	--	ND	3.28	--		3.333
Benzyl chloride	ND	0.667	--	ND	3.45	--		3.333
1,3-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,4-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2-Dichlorobenzene	ND	0.667	--	ND	4.01	--		3.333
1,2,4-Trichlorobenzene	ND	0.667	--	ND	4.95	--		3.333
Hexachlorobutadiene	ND	0.667	--	ND	7.11	--		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	89		60-140



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/26/16 16:57

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-08 Batch: WG877720-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: MORTON VILLAGE

Lab Number: L1608262

Project Number: 2517.0001Y000

Report Date: 03/29/16

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/26/16 16:57

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-08 Batch: WG877720-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1



Project Name: MORTON VILLAGE

Lab Number: L1608262

Project Number: 2517.0001Y000

Report Date: 03/29/16

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 03/26/16 16:57

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-08 Batch: WG877720-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 03/26/16 16:57

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-03 Batch: WG877721-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1



Project Name: MORTON VILLAGE**Lab Number:** L1608262**Project Number:** 2517.0001Y000**Report Date:** 03/29/16

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 03/26/16 16:57

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-03 Batch: WG877721-4								
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1



Project Name: MORTON VILLAGE

Lab Number: L1608262

Project Number: 2517.0001Y000

Report Date: 03/29/16

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 03/26/16 16:57

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-03 Batch: WG877721-4								
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1



Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1608262

Report Date: 03/29/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 Batch: WG877720-3								
Chlorodifluoromethane	83		-		70-130	-		
Propylene	98		-		70-130	-		
Propane	82		-		70-130	-		
Dichlorodifluoromethane	89		-		70-130	-		
Chloromethane	93		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	95		-		70-130	-		
Methanol	83		-		70-130	-		
Vinyl chloride	97		-		70-130	-		
1,3-Butadiene	100		-		70-130	-		
Butane	85		-		70-130	-		
Bromomethane	94		-		70-130	-		
Chloroethane	97		-		70-130	-		
Ethyl Alcohol	85		-		70-130	-		
Dichlorofluoromethane	85		-		70-130	-		
Vinyl bromide	98		-		70-130	-		
Acrolein	82		-		70-130	-		
Acetone	93		-		70-130	-		
Acetonitrile	83		-		70-130	-		
Trichlorofluoromethane	96		-		70-130	-		
iso-Propyl Alcohol	92		-		70-130	-		
Acrylonitrile	84		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1608262

Report Date: 03/29/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 Batch: WG877720-3								
Pentane	82		-		70-130	-		
Ethyl ether	83		-		70-130	-		
1,1-Dichloroethene	95		-		70-130	-		
tert-Butyl Alcohol	88		-		70-130	-		
Methylene chloride	96		-		70-130	-		
3-Chloropropene	98		-		70-130	-		
Carbon disulfide	95		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	97		-		70-130	-		
trans-1,2-Dichloroethene	86		-		70-130	-		
1,1-Dichloroethane	95		-		70-130	-		
Methyl tert butyl ether	95		-		70-130	-		
Vinyl acetate	87		-		70-130	-		
2-Butanone	94		-		70-130	-		
cis-1,2-Dichloroethene	104		-		70-130	-		
Ethyl Acetate	104		-		70-130	-		
Chloroform	98		-		70-130	-		
Tetrahydrofuran	88		-		70-130	-		
2,2-Dichloropropane	87		-		70-130	-		
1,2-Dichloroethane	94		-		70-130	-		
n-Hexane	88		-		70-130	-		
Isopropyl Ether	81		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1608262

Report Date: 03/29/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 Batch: WG877720-3								
Ethyl-Tert-Butyl-Ether	82		-		70-130	-		
1,1,1-Trichloroethane	90		-		70-130	-		
1,1-Dichloropropene	86		-		70-130	-		
Benzene	88		-		70-130	-		
Carbon tetrachloride	93		-		70-130	-		
Cyclohexane	86		-		70-130	-		
Tertiary-Amyl Methyl Ether	81		-		70-130	-		
Dibromomethane	86		-		70-130	-		
1,2-Dichloropropane	89		-		70-130	-		
Bromodichloromethane	96		-		70-130	-		
1,4-Dioxane	91		-		70-130	-		
Trichloroethene	100		-		70-130	-		
2,2,4-Trimethylpentane	90		-		70-130	-		
Methyl Methacrylate	84		-		70-130	-		
Heptane	89		-		70-130	-		
cis-1,3-Dichloropropene	97		-		70-130	-		
4-Methyl-2-pentanone	91		-		70-130	-		
trans-1,3-Dichloropropene	82		-		70-130	-		
1,1,2-Trichloroethane	92		-		70-130	-		
Toluene	89		-		70-130	-		
1,3-Dichloropropane	89		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1608262

Report Date: 03/29/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 Batch: WG877720-3								
2-Hexanone	101		-		70-130	-		
Dibromochloromethane	97		-		70-130	-		
1,2-Dibromoethane	96		-		70-130	-		
Butyl Acetate	89		-		70-130	-		
Octane	87		-		70-130	-		
Tetrachloroethene	96		-		70-130	-		
1,1,1,2-Tetrachloroethane	90		-		70-130	-		
Chlorobenzene	97		-		70-130	-		
Ethylbenzene	96		-		70-130	-		
p/m-Xylene	96		-		70-130	-		
Bromoform	95		-		70-130	-		
Styrene	96		-		70-130	-		
1,1,2,2-Tetrachloroethane	93		-		70-130	-		
o-Xylene	99		-		70-130	-		
1,2,3-Trichloropropane	86		-		70-130	-		
Nonane (C9)	85		-		70-130	-		
Isopropylbenzene	93		-		70-130	-		
Bromobenzene	88		-		70-130	-		
o-Chlorotoluene	90		-		70-130	-		
n-Propylbenzene	91		-		70-130	-		
p-Chlorotoluene	88		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1608262

Report Date: 03/29/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 Batch: WG877720-3								
4-Ethyltoluene	97		-		70-130	-		
1,3,5-Trimethylbenzene	93		-		70-130	-		
tert-Butylbenzene	92		-		70-130	-		
1,2,4-Trimethylbenzene	100		-		70-130	-		
Decane (C10)	87		-		70-130	-		
Benzyl chloride	93		-		70-130	-		
1,3-Dichlorobenzene	99		-		70-130	-		
1,4-Dichlorobenzene	96		-		70-130	-		
sec-Butylbenzene	91		-		70-130	-		
p-Isopropyltoluene	86		-		70-130	-		
1,2-Dichlorobenzene	97		-		70-130	-		
n-Butylbenzene	95		-		70-130	-		
1,2-Dibromo-3-chloropropane	87		-		70-130	-		
Undecane	90		-		70-130	-		
Dodecane (C12)	94		-		70-130	-		
1,2,4-Trichlorobenzene	99		-		70-130	-		
Naphthalene	93		-		70-130	-		
1,2,3-Trichlorobenzene	93		-		70-130	-		
Hexachlorobutadiene	92		-		70-130	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1608262

Report Date: 03/29/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03 Batch: WG877721-3								
Propylene	96		-		70-130	-		25
Dichlorodifluoromethane	82		-		70-130	-		25
Chloromethane	88		-		70-130	-		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	93		-		70-130	-		25
Vinyl chloride	92		-		70-130	-		25
1,3-Butadiene	98		-		70-130	-		25
Bromomethane	90		-		70-130	-		25
Chloroethane	91		-		70-130	-		25
Ethyl Alcohol	88		-		70-130	-		25
Vinyl bromide	93		-		70-130	-		25
Acetone	90		-		70-130	-		25
Trichlorofluoromethane	93		-		70-130	-		25
iso-Propyl Alcohol	97		-		70-130	-		25
Acrylonitrile	82		-		70-130	-		25
1,1-Dichloroethene	94		-		70-130	-		25
Methylene chloride	95		-		70-130	-		25
3-Chloropropene	88		-		70-130	-		25
Carbon disulfide	89		-		70-130	-		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	94		-		70-130	-		25
Halothane	105		-		70-130	-		25
trans-1,2-Dichloroethene	86		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1608262

Report Date: 03/29/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03 Batch: WG877721-3								
1,1-Dichloroethane	93		-		70-130	-		25
Methyl tert butyl ether	95		-		70-130	-		25
Vinyl acetate	75		-		70-130	-		25
2-Butanone	95		-		70-130	-		25
cis-1,2-Dichloroethene	102		-		70-130	-		25
Ethyl Acetate	91		-		70-130	-		25
Chloroform	95		-		70-130	-		25
Tetrahydrofuran	82		-		70-130	-		25
1,2-Dichloroethane	93		-		70-130	-		25
n-Hexane	89		-		70-130	-		25
1,1,1-Trichloroethane	93		-		70-130	-		25
Benzene	88		-		70-130	-		25
Carbon tetrachloride	92		-		70-130	-		25
Cyclohexane	90		-		70-130	-		25
1,2-Dichloropropane	90		-		70-130	-		25
Bromodichloromethane	91		-		70-130	-		25
1,4-Dioxane	93		-		70-130	-		25
Trichloroethene	99		-		70-130	-		25
2,2,4-Trimethylpentane	93		-		70-130	-		25
cis-1,3-Dichloropropene	97		-		70-130	-		25
4-Methyl-2-pentanone	98		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1608262

Report Date: 03/29/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03 Batch: WG877721-3								
trans-1,3-Dichloropropene	81		-		70-130	-		25
1,1,2-Trichloroethane	94		-		70-130	-		25
Toluene	88		-		70-130	-		25
2-Hexanone	107		-		70-130	-		25
Dibromochloromethane	93		-		70-130	-		25
1,2-Dibromoethane	93		-		70-130	-		25
Tetrachloroethene	93		-		70-130	-		25
1,1,1,2-Tetrachloroethane	86		-		70-130	-		25
Chlorobenzene	94		-		70-130	-		25
Ethylbenzene	95		-		70-130	-		25
p/m-Xylene	96		-		70-130	-		25
Bromoform	90		-		70-130	-		25
Styrene	97		-		70-130	-		25
1,1,2,2-Tetrachloroethane	89		-		70-130	-		25
o-Xylene	97		-		70-130	-		25
Isopropylbenzene	91		-		70-130	-		25
4-Ethyltoluene	99		-		70-130	-		25
1,3,5-Trimethylbenzene	94		-		70-130	-		25
1,2,4-Trimethylbenzene	101		-		70-130	-		25
Benzyl chloride	89		-		70-130	-		25
1,3-Dichlorobenzene	104		-		70-130	-		25

Lab Control Sample Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1608262

Report Date: 03/29/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03 Batch: WG877721-3								
1,4-Dichlorobenzene	98		-		70-130	-		25
sec-Butylbenzene	94		-		70-130	-		25
p-Isopropyltoluene	88		-		70-130	-		25
1,2-Dichlorobenzene	99		-		70-130	-		25
n-Butylbenzene	100		-		70-130	-		25
1,2,4-Trichlorobenzene	102		-		70-130	-		25
Naphthalene	95		-		70-130	-		25
1,2,3-Trichlorobenzene	97		-		70-130	-		25
Hexachlorobutadiene	94		-		70-130	-		25

Lab Duplicate Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1608262

Report Date: 03/29/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG877720-5 QC Sample: L1608262-01 Client ID: IA-1 (BASEMENT)						
Dichlorodifluoromethane	0.517	0.369	ppbV	33	Q	25
Chloromethane	0.591	0.571	ppbV	3		25
Freon-114	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethanol	2070E	2070E	ppbV	0		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	11.8	11.8	ppbV	0		25
Trichlorofluoromethane	0.229	0.257	ppbV	12		25
Isopropanol	3.25	3.21	ppbV	1		25
Tertiary butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	0.547	0.560	ppbV	2		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
Freon-113	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1608262
Report Date: 03/29/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG877720-5 QC Sample: L1608262-01 Client ID: IA-1 (BASEMENT)					
2-Butanone	ND	0.530	ppbV	NC	25
Ethyl Acetate	1.82	1.92	ppbV	5	25
Chloroform	ND	ND	ppbV	NC	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	ND	ND	ppbV	NC	25
Benzene	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25
Heptane	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	0.569	0.562	ppbV	1	25
2-Hexanone	ND	ND	ppbV	NC	25

Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1608262
Report Date: 03/29/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG877720-5 QC Sample: L1608262-01 Client ID: IA-1 (BASEMENT)					
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1608262
Report Date: 03/29/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG877720-5 QC Sample: L1608262-01 Client ID: IA-1 (BASEMENT)					
Ethanol	2970	2950	ppbV	1	25
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG877721-5 QC Sample: L1608262-01 Client ID: IA-1 (BASEMENT)					
Vinyl chloride	ND	ND	ppbV	NC	25
1,1-Dichloroethene	ND	ND	ppbV	NC	25
cis-1,2-Dichloroethene	0.083	0.084	ppbV	1	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Carbon tetrachloride	0.073	0.074	ppbV	1	25
Trichloroethene	0.147	0.149	ppbV	1	25
Tetrachloroethene	3.65	3.70	ppbV	1	25

Project Name: MORTON VILLAGE

Serial_No:03291615:07
Lab Number: L1608262

Project Number: 2517.0001Y000

Report Date: 03/29/16

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1608262-01	IA-1 (BASEMENT)	0937	#4 AMB	03/22/16	219118		-	-	-	Pass	10.0	10.7	7
L1608262-01	IA-1 (BASEMENT)	2119	6.0L Can	03/22/16	219118	L1607899-01	Pass	-29.6	-5.8	-	-	-	-
L1608262-02	IA-2 (MAIN FLOOR)	0396	#16 AMB	03/22/16	219118		-	-	-	Pass	9.9	9.9	0
L1608262-02	IA-2 (MAIN FLOOR)	1936	6.0L Can	03/22/16	219118	L1607899-01	Pass	-29.4	-7.2	-	-	-	-
L1608262-03	DUP03222016-1	0494	#16 AMB	03/22/16	219118		-	-	-	Pass	9.9	10.4	5
L1608262-03	DUP03222016-1	1942	6.0L Can	03/22/16	219118	L1607899-01	Pass	-28.6	-5.8	-	-	-	-
L1608262-04	SV-1	0728	#20 AMB	03/22/16	219118		-	-	-	Pass	17.9	17.9	0
L1608262-04	SV-1	2236	2.7L Can	03/22/16	219118	L1608042-01	Pass	-29.5	-2.9	-	-	-	-
L1608262-05	SV-2	0214	#20 AMB	03/22/16	219118		-	-	-	Pass	17.8	18.2	2
L1608262-05	SV-2	2237	2.7L Can	03/22/16	219118	L1608042-01	Pass	-29.7	-2.6	-	-	-	-
L1608262-06	SV-3	0699	#20 SV	03/22/16	219118		-	-	-	Pass	17.7	20.0	12
L1608262-06	SV-3	2177	2.7L Can	03/22/16	219118	L1608042-01	Pass	-28.8	-1.7	-	-	-	-
L1608262-07	SV-4	0076	#16 AMB	03/22/16	219118		-	-	-	Pass	18.0	20.2	12
L1608262-07	SV-4	528	2.7L Can	03/22/16	219118	L1608042-01	Pass	-29.6	-2.4	-	-	-	-
L1608262-08	DUP03222106-2	0756	#30 SV	03/22/16	219118		-	-	-	Pass	17.7	14.6	19

Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1608262
Report Date: 03/29/16

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1608262-08	DUP03222106-2	559	2.7L Can	03/22/16	219118	L1608042-01	Pass	-29.2	-1.6	-	-	-	-



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

Lab Number: L1607899
Report Date: 03/29/16

Air Canister Certification Results

Lab ID: L1607899-01
Client ID: CAN 1624 SHELF 45
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 03/18/16 19:50
Analyst: RY

Date Collected: 03/18/16 08:30
Date Received: 03/18/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1



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

Lab Number: L1607899
Report Date: 03/29/16

Air Canister Certification Results

Lab ID: L1607899-01
 Client ID: CAN 1624 SHELF 45
 Sample Location:

Date Collected: 03/18/16 08:30
 Date Received: 03/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1



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

Lab Number: L1607899
Report Date: 03/29/16

Air Canister Certification Results

Lab ID: L1607899-01
Client ID: CAN 1624 SHELF 45
Sample Location:

Date Collected: 03/18/16 08:30
Date Received: 03/18/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1



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

Lab Number: L1607899
Report Date: 03/29/16

Air Canister Certification Results

Lab ID: L1607899-01
Client ID: CAN 1624 SHELF 45
Sample Location:

Date Collected: 03/18/16 08:30
Date Received: 03/18/16
Field Prep: Not Specified

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

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



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

Lab Number: L1607899
Report Date: 03/29/16

Air Canister Certification Results

Lab ID: L1607899-01
Client ID: CAN 1624 SHELF 45
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 03/18/16 19:50
Analyst: RY

Date Collected: 03/18/16 08:30
Date Received: 03/18/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



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

Lab Number: L1607899
Report Date: 03/29/16

Air Canister Certification Results

Lab ID: L1607899-01
 Client ID: CAN 1624 SHELF 45
 Sample Location:

Date Collected: 03/18/16 08:30
 Date Received: 03/18/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1



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

Lab Number: L1607899
Report Date: 03/29/16

Air Canister Certification Results

Lab ID: L1607899-01
 Client ID: CAN 1624 SHELF 45
 Sample Location:

Date Collected: 03/18/16 08:30
 Date Received: 03/18/16
 Field Prep: Not Specified

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	98		60-140



Project Name:**Lab Number:** L1608042**Project Number:** CANISTER QC BAT**Report Date:** 03/29/16**Air Canister Certification Results**

Lab ID: L1608042-01
 Client ID: CAN 230 SHELF 3
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 03/19/16 15:16
 Analyst: RY

Date Collected: 03/18/16 16:00
 Date Received: 03/19/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Acetaldehyde	ND	2.50	--	ND	4.50	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name:

Lab Number: L1608042

Project Number: CANISTER QC BAT

Report Date: 03/29/16

Air Canister Certification Results

Lab ID: L1608042-01

Date Collected: 03/18/16 16:00

Client ID: CAN 230 SHELF 3

Date Received: 03/19/16

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Thiophene	ND	0.200	--	ND	0.688	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1



Project Name:

Lab Number: L1608042

Project Number: CANISTER QC BAT

Report Date: 03/29/16

Air Canister Certification Results

Lab ID: L1608042-01

Date Collected: 03/18/16 16:00

Client ID: CAN 230 SHELF 3

Date Received: 03/19/16

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Methylthiophene	ND	0.200	--	ND	0.803	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
3-Methylthiophene	ND	0.200	--	ND	0.803	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
2-Ethylthiophene	ND	0.200	--	ND	0.918	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1

Project Name:**Lab Number:** L1608042**Project Number:** CANISTER QC BAT**Report Date:** 03/29/16**Air Canister Certification Results**

Lab ID: L1608042-01

Date Collected: 03/18/16 16:00

Client ID: CAN 230 SHELF 3

Date Received: 03/19/16

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,3-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
Indane	ND	0.200	--	ND	0.967	--		1
Indene	ND	0.200	--	ND	0.951	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
1,2,4,5-Tetramethylbenzene	ND	0.200	--	ND	1.10	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1



Project Name:**Lab Number:** L1608042**Project Number:** CANISTER QC BAT**Report Date:** 03/29/16**Air Canister Certification Results**

Lab ID: L1608042-01

Date Collected: 03/18/16 16:00

Client ID: CAN 230 SHELF 3

Date Received: 03/19/16

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Benzothiophene	ND	0.500	--	ND	2.74	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1
2-Methylnaphthalene	ND	1.00	--	ND	5.82	--		1
1-Methylnaphthalene	ND	1.00	--	ND	5.82	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	87		60-140



Project Name:**Lab Number:** L1608042**Project Number:** CANISTER QC BAT**Report Date:** 03/29/16**Air Canister Certification Results**

Lab ID: L1608042-01
 Client ID: CAN 230 SHELF 3
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 03/19/16 15:16
 Analyst: RY

Date Collected: 03/18/16 16:00
 Date Received: 03/19/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Ethyl Alcohol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1



Project Name:

Lab Number: L1608042

Project Number: CANISTER QC BAT

Report Date: 03/29/16

Air Canister Certification Results

Lab ID: L1608042-01

Date Collected: 03/18/16 16:00

Client ID: CAN 230 SHELF 3

Date Received: 03/19/16

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1



Project Name:

Lab Number: L1608042

Project Number: CANISTER QC BAT

Report Date: 03/29/16

Air Canister Certification Results

Lab ID: L1608042-01

Date Collected: 03/18/16 16:00

Client ID: CAN 230 SHELF 3

Date Received: 03/19/16

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	95		60-140



Project Name: MORTON VILLAGE**Project Number:** 2517.0001Y000**Lab Number:** L1608262**Report Date:** 03/29/16**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Cooler Information Custody Seal**Cooler**

N/A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1608262-01A	Canister - 6 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30),TO15-SIM(30)
L1608262-02A	Canister - 6 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30),TO15-SIM(30)
L1608262-03A	Canister - 6 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30),TO15-SIM(30)
L1608262-04A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1608262-05A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1608262-06A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1608262-07A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1608262-08A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1608262
Report Date: 03/29/16

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

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

Data Qualifiers

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

Report Format: Data Usability Report



Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1608262
Report Date: 03/29/16

Data Qualifiers

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1608262
Report Date: 03/29/16

REFERENCES

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

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 524.2: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene

EPA 624: 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene

EPA 625: Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.

EPA 1010A: NPW: Ignitability

EPA 6010C: NPW: Strontium; SCM: Strontium

EPA 8151A: NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene, Isopropanol; SCM: Iodomethane (methyl iodide), Methyl methacrylate (soil); 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 9010: NPW: Amenable Cyanide Distillation, Total Cyanide Distillation

EPA 9038: NPW: Sulfate

EPA 9050A: NPW: Specific Conductance

EPA 9056: NPW: Chloride, Nitrate, Sulfate

EPA 9065: NPW: Phenols

EPA 9251: NPW: Chloride

SM3500: NPW: Ferrous Iron

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.

SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility

EPA 8270D: NPW: Biphenyl; SCM: Biphenyl, Caprolactam

EPA 8270D-SIM Isotope Dilution: SCM: 1,4-Dioxane

SM 2540D: TSS

SM2540G: SCM: Percent Solids

EPA 1631E: SCM: Mercury

EPA 7474: SCM: Mercury

EPA 8081B: NPW and SCM: Mirex, Hexachlorobenzene.

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA 8270-SIM: NPW and SCM: Alkylated PAHs.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene, n-Butylbenzene, n-Propylbenzene, sec-Butylbenzene, tert-Butylbenzene.

Biological Tissue Matrix: **8270D-SIM; 3050B; 3051A; 7471B; 8081B; 8082A; 6020A:** Lead; **8270D:** bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Fluoranthene, Pentachlorophenol.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Ti; **EPA 200.7:** Ba, Be, Ca, Cd, Cr, Cu, Na; **EPA 245.1:** Mercury;

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO₃-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1,**

SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Ti, Zn;

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, Ti, Tl, V, Zn;

EPA 245.1, SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH₃-BH, EPA

350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO₃-F,**

EPA 353.2: Nitrate-N, **SM4500NH₃-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D,**

EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.**

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



AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Client Information

Client: Roux Associates
Address: 209 Snaffer Street
Islandia, NY 11749
Phone: 631 232 2600
Fax:
Email: jwills@rouxinc.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

Project Information

Project Name: Morton Village
Project Location: Old Country Rd, Plainville, NY
Project #: 2517.0001Y000
Project Manager: Jeff Wills
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due:

Time:

Date Rec'd in Lab: 3/23/16

Report Information - Data Deliverables

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

ALPHA Job #: L1608262

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program Res / Comm

ANALYSIS

☐ TO-15
TO-15 SIM
APH Subtract Non-petroleum HCs
Fixed Gases
Sulfides & Mercaptans by TO-15

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	End Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15 SIM	APH	Fixed Gases	Sulfides & Mercaptans by TO-15	Sample Comments (i.e. PID)
608262-01	IA-1 (basement)	3/22/16	0837	1630	-30.63	-6.97	AA	JM	6L	2119	0937	X					
-02	IA-2 (main floor)		0832	1640	-29.54	-6.14	AA	JM	6L	1936	0396	X					
-03	DUP 03222016 - 1		0841	1634	-29.11	-6.06	AA	JM	6L	1942	0494	X					
-04	SV-1		0846	1106	-30.14	-3.22	SV	JM	2.7L	2236	179	X					
-05	SV-2		0850	1059	-29.97	-3.06		JM		2237	0214	X					
-06	SV-3		0853	1102	-30.10	-3.19		JM		2177	0699	X					
-07	SV-4		0856	1058	-29.48	-3.09		JM		528	0076	X					
-08	DUP 03222016 - 2		1206	1502	-31.13	-3.31		JM		559	0756	X					

*SAMPLE MATRIX CODES

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

Container Type

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

Relinquished By:

Date/Time

Received By:

Date/Time:



ANALYTICAL REPORT

Lab Number:	L1635617
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Jeffrey Wills
Phone:	(631) 232-2366
Project Name:	MORTON VILLAGE
Project Number:	2517.0001Y000
Report Date:	11/09/16

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), ME (MA00030), PA (68-02089), VA (460194), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), USFWS (Permit #LE2069641), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1635617
Report Date: 11/09/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1635617-01	SV-9	SOIL_VAPOR	1022 OLD COUNTRY RD., PLAINVIEW, NY	11/02/16 13:53	11/03/16
L1635617-02	SV-8	SOIL_VAPOR	1022 OLD COUNTRY RD., PLAINVIEW, NY	11/02/16 13:43	11/03/16
L1635617-03	SV-6	SOIL_VAPOR	1022 OLD COUNTRY RD., PLAINVIEW, NY	11/02/16 14:48	11/03/16
L1635617-04	SV-5	SOIL_VAPOR	1022 OLD COUNTRY RD., PLAINVIEW, NY	11/02/16 15:05	11/03/16
L1635617-05	DUP110216	SOIL_VAPOR	1022 OLD COUNTRY RD., PLAINVIEW, NY	11/02/16 15:42	11/03/16
L1635617-06	SV-7	SOIL_VAPOR	1022 OLD COUNTRY RD., PLAINVIEW, NY	11/04/16 10:08	11/04/16
L1635617-07	UNUSED CANISTER 415	SOIL_VAPOR	1022 OLD COUNTRY RD., PLAINVIEW, NY		11/03/16

Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1635617
Report Date: 11/09/16

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1635617
Report Date: 11/09/16

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on November 2 and 3, 2016. The canister certification results are provided as an addendum.

Sample L1635617-02, -05, and -06: The samples have elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the samples.

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

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 11/09/16

AIR

Project Name: MORTON VILLAGE**Project Number:** 2517.0001Y000**Lab Number:** L1635617**Report Date:** 11/09/16**SAMPLE RESULTS**

Lab ID: L1635617-01
Client ID: SV-9
Sample Location: 1022 OLD COUNTRY RD., PLAINVIE
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 11/07/16 20:13
Analyst: AR

Date Collected: 11/02/16 13:53
Date Received: 11/03/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.410	0.200	--	2.03	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	7.12	5.00	--	13.4	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	14.0	1.00	--	33.3	2.38	--		1
Trichlorofluoromethane	0.262	0.200	--	1.47	1.12	--		1
Isopropanol	3.66	0.500	--	9.00	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	3.03	0.500	--	9.19	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.16	0.200	--	3.61	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.39	0.500	--	4.10	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	0.585	0.500	--	2.11	1.80	--		1



Project Name: MORTON VILLAGE**Lab Number:** L1635617**Project Number:** 2517.0001Y000**Report Date:** 11/09/16**SAMPLE RESULTS****Lab ID:** L1635617-01**Date Collected:** 11/02/16 13:53**Client ID:** SV-9**Date Received:** 11/03/16**Sample Location:** 1022 OLD COUNTRY RD., PLAINVIE**Field Prep:** Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.201	0.200	--	0.982	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.570	0.200	--	2.01	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.595	0.200	--	1.90	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.525	0.200	--	1.81	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	2.09	0.200	--	11.2	1.07	--		1
2,2,4-Trimethylpentane	4.41	0.200	--	20.6	0.934	--		1
Heptane	1.04	0.200	--	4.26	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	4.72	0.200	--	17.8	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	50.5	0.200	--	342	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	3.02	0.200	--	13.1	0.869	--		1
p/m-Xylene	13.5	0.400	--	58.6	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.212	0.200	--	0.903	0.852	--		1



Project Name: MORTON VILLAGE**Lab Number:** L1635617**Project Number:** 2517.0001Y000**Report Date:** 11/09/16**SAMPLE RESULTS**

Lab ID: L1635617-01

Date Collected: 11/02/16 13:53

Client ID: SV-9

Date Received: 11/03/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	9.85	0.200	--	42.8	0.869	--		1
4-Ethyltoluene	2.55	0.200	--	12.5	0.983	--		1
1,3,5-Trimethylbenzene	4.61	0.200	--	22.7	0.983	--		1
1,2,4-Trimethylbenzene	16.8	0.200	--	82.6	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	0.515	0.200	--	3.10	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	83		60-140
chlorobenzene-d5	81		60-140



Project Name: MORTON VILLAGE**Lab Number:** L1635617**Project Number:** 2517.0001Y000**Report Date:** 11/09/16**SAMPLE RESULTS**

Lab ID: L1635617-02 D
 Client ID: SV-8
 Sample Location: 1022 OLD COUNTRY RD., PLAINVIE
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 11/07/16 20:45
 Analyst: AR

Date Collected: 11/02/16 13:43
 Date Received: 11/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.450	0.400	--	2.23	1.98	--		2
Chloromethane	ND	0.400	--	ND	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	ND	10.0	--	ND	18.8	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	13.6	2.00	--	32.3	4.75	--		2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
Isopropanol	3.07	1.00	--	7.55	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Tertiary butyl Alcohol	3.57	1.00	--	10.8	3.03	--		2
Methylene chloride	ND	1.00	--	ND	3.47	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	1.53	0.400	--	4.76	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	1.36	1.00	--	4.01	2.95	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2



Project Name: MORTON VILLAGE**Lab Number:** L1635617**Project Number:** 2517.0001Y000**Report Date:** 11/09/16**SAMPLE RESULTS**

Lab ID: L1635617-02 D

Date Collected: 11/02/16 13:43

Client ID: SV-8

Date Received: 11/03/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.400	--	ND	1.95	--		2
Tetrahydrofuran	ND	1.00	--	ND	2.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	ND	0.400	--	ND	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	0.562	0.400	--	1.80	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	ND	0.400	--	ND	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	1.07	0.400	--	5.75	2.15	--		2
2,2,4-Trimethylpentane	0.886	0.400	--	4.14	1.87	--		2
Heptane	1.25	0.400	--	5.12	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	3.68	0.400	--	13.9	1.51	--		2
2-Hexanone	ND	0.400	--	ND	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	95.7	0.400	--	649	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	1.87	0.400	--	8.12	1.74	--		2
p/m-Xylene	8.19	0.800	--	35.6	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2
Styrene	ND	0.400	--	ND	1.70	--		2



Project Name: MORTON VILLAGE**Lab Number:** L1635617**Project Number:** 2517.0001Y000**Report Date:** 11/09/16**SAMPLE RESULTS**

Lab ID: L1635617-02 D

Date Collected: 11/02/16 13:43

Client ID: SV-8

Date Received: 11/03/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	4.97	0.400	--	21.6	1.74	--		2
4-Ethyltoluene	1.56	0.400	--	7.67	1.97	--		2
1,3,5-Trimethylbenzene	2.25	0.400	--	11.1	1.97	--		2
1,2,4-Trimethylbenzene	8.71	0.400	--	42.8	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,4-Dichlorobenzene	0.476	0.400	--	2.86	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	85		60-140



Project Name: MORTON VILLAGE**Lab Number:** L1635617**Project Number:** 2517.0001Y000**Report Date:** 11/09/16**SAMPLE RESULTS**

Lab ID: L1635617-03
Client ID: SV-6
Sample Location: 1022 OLD COUNTRY RD., PLAINVIE
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 11/07/16 21:19
Analyst: AR

Date Collected: 11/02/16 14:48
Date Received: 11/03/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.358	0.200	--	1.77	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	12.8	1.00	--	30.4	2.38	--		1
Trichlorofluoromethane	0.227	0.200	--	1.28	1.12	--		1
Isopropanol	2.03	0.500	--	4.99	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	2.90	0.500	--	8.79	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	0.249	0.200	--	0.987	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.893	0.500	--	2.63	1.47	--		1
cis-1,2-Dichloroethene	19.8	0.200	--	78.5	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: MORTON VILLAGE**Lab Number:** L1635617**Project Number:** 2517.0001Y000**Report Date:** 11/09/16**SAMPLE RESULTS****Lab ID:** L1635617-03**Date Collected:** 11/02/16 14:48**Client ID:** SV-6**Date Received:** 11/03/16**Sample Location:** 1022 OLD COUNTRY RD., PLAINVIE**Field Prep:** Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.288	0.200	--	1.41	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.463	0.200	--	1.48	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	21.3	0.200	--	114	1.07	--		1
2,2,4-Trimethylpentane	0.320	0.200	--	1.49	0.934	--		1
Heptane	0.324	0.200	--	1.33	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.72	0.200	--	6.48	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	46.3	0.200	--	314	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.830	0.200	--	3.61	0.869	--		1
p/m-Xylene	3.78	0.400	--	16.4	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1



Project Name: MORTON VILLAGE**Lab Number:** L1635617**Project Number:** 2517.0001Y000**Report Date:** 11/09/16**SAMPLE RESULTS**

Lab ID: L1635617-03

Date Collected: 11/02/16 14:48

Client ID: SV-6

Date Received: 11/03/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	2.19	0.200	--	9.51	0.869	--		1
4-Ethyltoluene	0.703	0.200	--	3.46	0.983	--		1
1,3,5-Trimethylbenzene	0.991	0.200	--	4.87	0.983	--		1
1,2,4-Trimethylbenzene	4.11	0.200	--	20.2	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	0.231	0.200	--	1.39	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	83		60-140



Project Name: MORTON VILLAGE**Lab Number:** L1635617**Project Number:** 2517.0001Y000**Report Date:** 11/09/16**SAMPLE RESULTS**

Lab ID: L1635617-04
Client ID: SV-5
Sample Location: 1022 OLD COUNTRY RD., PLAINVIE
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 11/07/16 21:53
Analyst: AR

Date Collected: 11/02/16 15:05
Date Received: 11/03/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.327	0.200	--	1.62	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	6.75	5.00	--	12.7	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	22.7	1.00	--	53.9	2.38	--		1
Trichlorofluoromethane	0.262	0.200	--	1.47	1.12	--		1
Isopropanol	2.00	0.500	--	4.92	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	4.49	0.500	--	13.6	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	2.60	0.200	--	8.10	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	1.49	0.500	--	4.39	1.47	--		1
cis-1,2-Dichloroethene	0.742	0.200	--	2.94	0.793	--		1
Ethyl Acetate	0.552	0.500	--	1.99	1.80	--		1



Project Name: MORTON VILLAGE**Lab Number:** L1635617**Project Number:** 2517.0001Y000**Report Date:** 11/09/16**SAMPLE RESULTS****Lab ID:** L1635617-04**Date Collected:** 11/02/16 15:05**Client ID:** SV-5**Date Received:** 11/03/16**Sample Location:** 1022 OLD COUNTRY RD., PLAINVIE**Field Prep:** Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.736	0.200	--	3.59	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.38	0.200	--	4.86	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.599	0.200	--	1.91	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.212	0.200	--	0.730	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	2.33	0.200	--	12.5	1.07	--		1
2,2,4-Trimethylpentane	0.719	0.200	--	3.36	0.934	--		1
Heptane	0.650	0.200	--	2.66	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	2.75	0.200	--	10.4	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.624	0.200	--	4.23	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.43	0.200	--	6.21	0.869	--		1
p/m-Xylene	6.75	0.400	--	29.3	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1



Project Name: MORTON VILLAGE**Lab Number:** L1635617**Project Number:** 2517.0001Y000**Report Date:** 11/09/16**SAMPLE RESULTS**

Lab ID: L1635617-04

Date Collected: 11/02/16 15:05

Client ID: SV-5

Date Received: 11/03/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	3.90	0.200	--	16.9	0.869	--		1
4-Ethyltoluene	1.33	0.200	--	6.54	0.983	--		1
1,3,5-Trimethylbenzene	1.85	0.200	--	9.09	0.983	--		1
1,2,4-Trimethylbenzene	7.49	0.200	--	36.8	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	0.339	0.200	--	2.04	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	82		60-140



Project Name: MORTON VILLAGE**Project Number:** 2517.0001Y000**Lab Number:** L1635617**Report Date:** 11/09/16**SAMPLE RESULTS**

Lab ID: L1635617-05 D
 Client ID: DUP110216
 Sample Location: 1022 OLD COUNTRY RD., PLAINVIE
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 11/07/16 22:25
 Analyst: AR

Date Collected: 11/02/16 15:42
 Date Received: 11/03/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.500	--	ND	2.47	--		2.5
Chloromethane	ND	0.500	--	ND	1.03	--		2.5
Freon-114	ND	0.500	--	ND	3.49	--		2.5
Vinyl chloride	ND	0.500	--	ND	1.28	--		2.5
1,3-Butadiene	ND	0.500	--	ND	1.11	--		2.5
Bromomethane	ND	0.500	--	ND	1.94	--		2.5
Chloroethane	ND	0.500	--	ND	1.32	--		2.5
Ethanol	ND	12.5	--	ND	23.6	--		2.5
Vinyl bromide	ND	0.500	--	ND	2.19	--		2.5
Acetone	9.28	2.50	--	22.0	5.94	--		2.5
Trichlorofluoromethane	ND	0.500	--	ND	2.81	--		2.5
Isopropanol	1.25	1.25	--	3.07	3.07	--		2.5
1,1-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
Tertiary butyl Alcohol	2.29	1.25	--	6.94	3.79	--		2.5
Methylene chloride	ND	1.25	--	ND	4.34	--		2.5
3-Chloropropene	ND	0.500	--	ND	1.57	--		2.5
Carbon disulfide	1.44	0.500	--	4.48	1.56	--		2.5
Freon-113	ND	0.500	--	ND	3.83	--		2.5
trans-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
1,1-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
Methyl tert butyl ether	ND	0.500	--	ND	1.80	--		2.5
2-Butanone	ND	1.25	--	ND	3.69	--		2.5
cis-1,2-Dichloroethene	ND	0.500	--	ND	1.98	--		2.5
Ethyl Acetate	ND	1.25	--	ND	4.50	--		2.5



Project Name: MORTON VILLAGE**Lab Number:** L1635617**Project Number:** 2517.0001Y000**Report Date:** 11/09/16**SAMPLE RESULTS**

Lab ID: L1635617-05 D

Date Collected: 11/02/16 15:42

Client ID: DUP110216

Date Received: 11/03/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.500	--	ND	2.44	--		2.5
Tetrahydrofuran	ND	1.25	--	ND	3.69	--		2.5
1,2-Dichloroethane	ND	0.500	--	ND	2.02	--		2.5
n-Hexane	ND	0.500	--	ND	1.76	--		2.5
1,1,1-Trichloroethane	ND	0.500	--	ND	2.73	--		2.5
Benzene	ND	0.500	--	ND	1.60	--		2.5
Carbon tetrachloride	ND	0.500	--	ND	3.15	--		2.5
Cyclohexane	ND	0.500	--	ND	1.72	--		2.5
1,2-Dichloropropane	ND	0.500	--	ND	2.31	--		2.5
Bromodichloromethane	ND	0.500	--	ND	3.35	--		2.5
1,4-Dioxane	ND	0.500	--	ND	1.80	--		2.5
Trichloroethene	1.30	0.500	--	6.99	2.69	--		2.5
2,2,4-Trimethylpentane	ND	0.500	--	ND	2.34	--		2.5
Heptane	ND	0.500	--	ND	2.05	--		2.5
cis-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
4-Methyl-2-pentanone	ND	1.25	--	ND	5.12	--		2.5
trans-1,3-Dichloropropene	ND	0.500	--	ND	2.27	--		2.5
1,1,2-Trichloroethane	ND	0.500	--	ND	2.73	--		2.5
Toluene	2.75	0.500	--	10.4	1.88	--		2.5
2-Hexanone	ND	0.500	--	ND	2.05	--		2.5
Dibromochloromethane	ND	0.500	--	ND	4.26	--		2.5
1,2-Dibromoethane	ND	0.500	--	ND	3.84	--		2.5
Tetrachloroethene	170	0.500	--	1150	3.39	--		2.5
Chlorobenzene	ND	0.500	--	ND	2.30	--		2.5
Ethylbenzene	1.27	0.500	--	5.52	2.17	--		2.5
p/m-Xylene	6.00	1.00	--	26.1	4.34	--		2.5
Bromoform	ND	0.500	--	ND	5.17	--		2.5
Styrene	ND	0.500	--	ND	2.13	--		2.5



Project Name: MORTON VILLAGE**Lab Number:** L1635617**Project Number:** 2517.0001Y000**Report Date:** 11/09/16**SAMPLE RESULTS**

Lab ID: L1635617-05 D

Date Collected: 11/02/16 15:42

Client ID: DUP110216

Date Received: 11/03/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.500	--	ND	3.43	--		2.5
o-Xylene	3.50	0.500	--	15.2	2.17	--		2.5
4-Ethyltoluene	1.38	0.500	--	6.78	2.46	--		2.5
1,3,5-Trimethylbenzene	2.18	0.500	--	10.7	2.46	--		2.5
1,2,4-Trimethylbenzene	8.72	0.500	--	42.9	2.46	--		2.5
Benzyl chloride	ND	0.500	--	ND	2.59	--		2.5
1,3-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,4-Dichlorobenzene	0.550	0.500	--	3.31	3.01	--		2.5
1,2-Dichlorobenzene	ND	0.500	--	ND	3.01	--		2.5
1,2,4-Trichlorobenzene	ND	0.500	--	ND	3.71	--		2.5
Hexachlorobutadiene	ND	0.500	--	ND	5.33	--		2.5

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	82		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	81		60-140



Project Name: MORTON VILLAGE**Lab Number:** L1635617**Project Number:** 2517.0001Y000**Report Date:** 11/09/16**SAMPLE RESULTS**

Lab ID: L1635617-06 D
Client ID: SV-7
Sample Location: 1022 OLD COUNTRY RD., PLAINVIE
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 11/07/16 22:57
Analyst: AR

Date Collected: 11/04/16 10:08
Date Received: 11/04/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	17.6	--	ND	87.0	--		88.06
Chloromethane	ND	17.6	--	ND	36.3	--		88.06
Freon-114	ND	17.6	--	ND	123	--		88.06
Vinyl chloride	ND	17.6	--	ND	45.0	--		88.06
1,3-Butadiene	ND	17.6	--	ND	38.9	--		88.06
Bromomethane	ND	17.6	--	ND	68.3	--		88.06
Chloroethane	ND	17.6	--	ND	46.4	--		88.06
Ethanol	ND	440	--	ND	829	--		88.06
Vinyl bromide	ND	17.6	--	ND	77.0	--		88.06
Acetone	ND	88.1	--	ND	209	--		88.06
Trichlorofluoromethane	ND	17.6	--	ND	98.9	--		88.06
Isopropanol	ND	44.0	--	ND	108	--		88.06
1,1-Dichloroethene	ND	17.6	--	ND	69.8	--		88.06
Tertiary butyl Alcohol	ND	44.0	--	ND	133	--		88.06
Methylene chloride	ND	44.0	--	ND	153	--		88.06
3-Chloropropene	ND	17.6	--	ND	55.1	--		88.06
Carbon disulfide	ND	17.6	--	ND	54.8	--		88.06
Freon-113	ND	17.6	--	ND	135	--		88.06
trans-1,2-Dichloroethene	ND	17.6	--	ND	69.8	--		88.06
1,1-Dichloroethane	ND	17.6	--	ND	71.2	--		88.06
Methyl tert butyl ether	ND	17.6	--	ND	63.5	--		88.06
2-Butanone	ND	44.0	--	ND	130	--		88.06
cis-1,2-Dichloroethene	284	17.6	--	1130	69.8	--		88.06
Ethyl Acetate	ND	44.0	--	ND	159	--		88.06



Project Name: MORTON VILLAGE**Lab Number:** L1635617**Project Number:** 2517.0001Y000**Report Date:** 11/09/16**SAMPLE RESULTS**

Lab ID: L1635617-06 D

Date Collected: 11/04/16 10:08

Client ID: SV-7

Date Received: 11/04/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	17.6	--	ND	85.9	--		88.06
Tetrahydrofuran	ND	44.0	--	ND	130	--		88.06
1,2-Dichloroethane	ND	17.6	--	ND	71.2	--		88.06
n-Hexane	ND	17.6	--	ND	62.0	--		88.06
1,1,1-Trichloroethane	ND	17.6	--	ND	96.0	--		88.06
Benzene	ND	17.6	--	ND	56.2	--		88.06
Carbon tetrachloride	ND	17.6	--	ND	111	--		88.06
Cyclohexane	17.7	17.6	--	60.9	60.6	--		88.06
1,2-Dichloropropane	ND	17.6	--	ND	81.3	--		88.06
Bromodichloromethane	ND	17.6	--	ND	118	--		88.06
1,4-Dioxane	ND	17.6	--	ND	63.4	--		88.06
Trichloroethene	484	17.6	--	2600	94.6	--		88.06
2,2,4-Trimethylpentane	ND	17.6	--	ND	82.2	--		88.06
Heptane	ND	17.6	--	ND	72.1	--		88.06
cis-1,3-Dichloropropene	ND	17.6	--	ND	79.9	--		88.06
4-Methyl-2-pentanone	ND	44.0	--	ND	180	--		88.06
trans-1,3-Dichloropropene	ND	17.6	--	ND	79.9	--		88.06
1,1,2-Trichloroethane	ND	17.6	--	ND	96.0	--		88.06
Toluene	ND	17.6	--	ND	66.3	--		88.06
2-Hexanone	ND	17.6	--	ND	72.1	--		88.06
Dibromochloromethane	ND	17.6	--	ND	150	--		88.06
1,2-Dibromoethane	ND	17.6	--	ND	135	--		88.06
Tetrachloroethene	4520	17.6	--	30700	119	--		88.06
Chlorobenzene	ND	17.6	--	ND	81.1	--		88.06
Ethylbenzene	ND	17.6	--	ND	76.4	--		88.06
p/m-Xylene	ND	35.2	--	ND	153	--		88.06
Bromoform	ND	17.6	--	ND	182	--		88.06
Styrene	ND	17.6	--	ND	74.9	--		88.06



Project Name: MORTON VILLAGE**Lab Number:** L1635617**Project Number:** 2517.0001Y000**Report Date:** 11/09/16**SAMPLE RESULTS**

Lab ID: L1635617-06 D

Date Collected: 11/04/16 10:08

Client ID: SV-7

Date Received: 11/04/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIE

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	17.6	--	ND	121	--		88.06
o-Xylene	ND	17.6	--	ND	76.4	--		88.06
4-Ethyltoluene	ND	17.6	--	ND	86.5	--		88.06
1,3,5-Trimethylbenzene	ND	17.6	--	ND	86.5	--		88.06
1,2,4-Trimethylbenzene	ND	17.6	--	ND	86.5	--		88.06
Benzyl chloride	ND	17.6	--	ND	91.1	--		88.06
1,3-Dichlorobenzene	ND	17.6	--	ND	106	--		88.06
1,4-Dichlorobenzene	ND	17.6	--	ND	106	--		88.06
1,2-Dichlorobenzene	ND	17.6	--	ND	106	--		88.06
1,2,4-Trichlorobenzene	ND	17.6	--	ND	131	--		88.06
Hexachlorobutadiene	ND	17.6	--	ND	188	--		88.06

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	91		60-140



Project Name: MORTON VILLAGE

Lab Number: L1635617

Project Number: 2517.0001Y000

Report Date: 11/09/16

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/07/16 13:32

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG949900-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: MORTON VILLAGE

Lab Number: L1635617

Project Number: 2517.0001Y000

Report Date: 11/09/16

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/07/16 13:32

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG949900-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1



Project Name: MORTON VILLAGE

Lab Number: L1635617

Project Number: 2517.0001Y000

Report Date: 11/09/16

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 11/07/16 13:32

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-06 Batch: WG949900-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1635617

Report Date: 11/09/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG949900-3								
Chlorodifluoromethane	91		-		70-130	-		
Propylene	105		-		70-130	-		
Propane	88		-		70-130	-		
Dichlorodifluoromethane	76		-		70-130	-		
Chloromethane	103		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	99		-		70-130	-		
Methanol	81		-		70-130	-		
Vinyl chloride	102		-		70-130	-		
1,3-Butadiene	111		-		70-130	-		
Butane	87		-		70-130	-		
Bromomethane	98		-		70-130	-		
Chloroethane	105		-		70-130	-		
Ethyl Alcohol	99		-		70-130	-		
Dichlorofluoromethane	92		-		70-130	-		
Vinyl bromide	100		-		70-130	-		
Acrolein	93		-		70-130	-		
Acetone	80		-		70-130	-		
Acetonitrile	93		-		70-130	-		
Trichlorofluoromethane	104		-		70-130	-		
iso-Propyl Alcohol	96		-		70-130	-		
Acrylonitrile	94		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1635617

Report Date: 11/09/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG949900-3								
Pentane	94		-		70-130	-		
Ethyl ether	98		-		70-130	-		
1,1-Dichloroethene	102		-		70-130	-		
tert-Butyl Alcohol	96		-		70-130	-		
Methylene chloride	101		-		70-130	-		
3-Chloropropene	107		-		70-130	-		
Carbon disulfide	100		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	103		-		70-130	-		
trans-1,2-Dichloroethene	92		-		70-130	-		
1,1-Dichloroethane	99		-		70-130	-		
Methyl tert butyl ether	96		-		70-130	-		
Vinyl acetate	120		-		70-130	-		
2-Butanone	94		-		70-130	-		
cis-1,2-Dichloroethene	111		-		70-130	-		
Ethyl Acetate	104		-		70-130	-		
Chloroform	101		-		70-130	-		
Tetrahydrofuran	94		-		70-130	-		
2,2-Dichloropropane	91		-		70-130	-		
1,2-Dichloroethane	98		-		70-130	-		
n-Hexane	98		-		70-130	-		
Isopropyl Ether	91		-		70-130	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1635617

Report Date: 11/09/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG949900-3								
Ethyl-Tert-Butyl-Ether	89		-		70-130	-		
1,1,1-Trichloroethane	95		-		70-130	-		
1,1-Dichloropropene	94		-		70-130	-		
Benzene	97		-		70-130	-		
Carbon tetrachloride	102		-		70-130	-		
Cyclohexane	98		-		70-130	-		
Tertiary-Amyl Methyl Ether	89		-		70-130	-		
Dibromomethane	93		-		70-130	-		
1,2-Dichloropropane	100		-		70-130	-		
Bromodichloromethane	98		-		70-130	-		
1,4-Dioxane	96		-		70-130	-		
Trichloroethene	100		-		70-130	-		
2,2,4-Trimethylpentane	99		-		70-130	-		
Methyl Methacrylate	77		-		70-130	-		
Heptane	99		-		70-130	-		
cis-1,3-Dichloropropene	107		-		70-130	-		
4-Methyl-2-pentanone	101		-		70-130	-		
trans-1,3-Dichloropropene	93		-		70-130	-		
1,1,2-Trichloroethane	102		-		70-130	-		
Toluene	99		-		70-130	-		
1,3-Dichloropropane	92		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1635617

Report Date: 11/09/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG949900-3								
2-Hexanone	102		-		70-130	-		
Dibromochloromethane	102		-		70-130	-		
1,2-Dibromoethane	101		-		70-130	-		
Butyl Acetate	91		-		70-130	-		
Octane	87		-		70-130	-		
Tetrachloroethene	98		-		70-130	-		
1,1,1,2-Tetrachloroethane	91		-		70-130	-		
Chlorobenzene	98		-		70-130	-		
Ethylbenzene	98		-		70-130	-		
p/m-Xylene	99		-		70-130	-		
Bromoform	103		-		70-130	-		
Styrene	100		-		70-130	-		
1,1,2,2-Tetrachloroethane	105		-		70-130	-		
o-Xylene	102		-		70-130	-		
1,2,3-Trichloropropane	92		-		70-130	-		
Nonane (C9)	91		-		70-130	-		
Isopropylbenzene	94		-		70-130	-		
Bromobenzene	91		-		70-130	-		
o-Chlorotoluene	90		-		70-130	-		
n-Propylbenzene	94		-		70-130	-		
p-Chlorotoluene	89		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1635617

Report Date: 11/09/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 Batch: WG949900-3								
4-Ethyltoluene	95		-		70-130	-		
1,3,5-Trimethylbenzene	100		-		70-130	-		
tert-Butylbenzene	94		-		70-130	-		
1,2,4-Trimethylbenzene	104		-		70-130	-		
Decane (C10)	93		-		70-130	-		
Benzyl chloride	106		-		70-130	-		
1,3-Dichlorobenzene	103		-		70-130	-		
1,4-Dichlorobenzene	102		-		70-130	-		
sec-Butylbenzene	94		-		70-130	-		
p-Isopropyltoluene	87		-		70-130	-		
1,2-Dichlorobenzene	104		-		70-130	-		
n-Butylbenzene	97		-		70-130	-		
1,2-Dibromo-3-chloropropane	91		-		70-130	-		
Undecane	98		-		70-130	-		
Dodecane (C12)	106		-		70-130	-		
1,2,4-Trichlorobenzene	107		-		70-130	-		
Naphthalene	99		-		70-130	-		
1,2,3-Trichlorobenzene	96		-		70-130	-		
Hexachlorobutadiene	104		-		70-130	-		

Lab Duplicate Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1635617

Report Date: 11/09/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG949900-5 QC Sample: L1635728-02 Client ID: DUP Sample						
Dichlorodifluoromethane	0.325	0.410	ppbV	23		25
Chloromethane	0.684	0.689	ppbV	1		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	30.5	29.6	ppbV	3		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	5.29	5.58	ppbV	5		25
Trichlorofluoromethane	0.262	0.255	ppbV	3		25
iso-Propyl Alcohol	2.59	2.54	ppbV	2		25
tert-Butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	4.06	3.97	ppbV	2		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1635617

Report Date: 11/09/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG949900-5 QC Sample: L1635728-02 Client ID: DUP Sample					
2-Butanone	0.783	0.840	ppbV	7	25
Ethyl Acetate	ND	0.510	ppbV	NC	25
Chloroform	7.51	7.50	ppbV	0	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	3.71	3.78	ppbV	2	25
Benzene	1.03	1.04	ppbV	1	25
Cyclohexane	1.48	1.52	ppbV	3	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	0.549	0.516	ppbV	6	25
1,4-Dioxane	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	1.55	1.53	ppbV	1	25
Heptane	1.94	1.96	ppbV	1	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	5.64	5.68	ppbV	1	25
2-Hexanone	ND	ND	ppbV	NC	25

Lab Duplicate Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1635617

Report Date: 11/09/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG949900-5 QC Sample: L1635728-02 Client ID: DUP Sample					
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	0.737	ppbV	NC	25
Ethylbenzene	2.43	2.46	ppbV	1	25
p/m-Xylene	7.25	7.30	ppbV	1	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	3.46	3.49	ppbV	1	25
4-Ethyltoluene	3.33	3.33	ppbV	0	25
1,3,5-Trimethylbenzene	5.29	5.34	ppbV	1	25
1,2,4-Trimethylbenzene	16.4	16.5	ppbV	1	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: MORTON VILLAGE

Serial_No:11091616:38
Lab Number: L1635617

Project Number: 2517.0001Y000

Report Date: 11/09/16

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1635617-01	SV-9	0619	#16 AMB	11/02/16	231167		-	-	-	Pass	17.9	19.0	6
L1635617-01	SV-9	521	2.7L Can	11/02/16	231167	L1634631-01	Pass	-30.0	-6.8	-	-	-	-
L1635617-02	SV-8	0758	#30 SV	11/02/16	231167		-	-	-	Pass	17.6	17.4	1
L1635617-02	SV-8	536	2.7L Can	11/02/16	231167	L1634631-01	Pass	-30.0	-8.2	-	-	-	-
L1635617-03	SV-6	0076	#16 AMB	11/02/16	231167		-	-	-	Pass	17.6	18.2	3
L1635617-03	SV-6	2238	2.7L Can	11/02/16	231167	L1633692-01	Pass	-30.0	-4.9	-	-	-	-
L1635617-04	SV-5	0627	#16 AMB	11/02/16	231167		-	-	-	Pass	17.9	17.7	1
L1635617-04	SV-5	472	2.7L Can	11/02/16	231167	L1634631-01	Pass	-30.0	-8.3	-	-	-	-
L1635617-05	DUP110216	0766	#4 SV	11/02/16	231167		-	-	-	Pass	18.0	19.9	10
L1635617-05	DUP110216	361	2.7L Can	11/02/16	231167	L1634631-01	Pass	-30.0	-7.9	-	-	-	-
L1635617-06	SV-7	0280	#16 AMB	11/03/16	231639		-	-	-	Pass	17.5	15.3	13
L1635617-06	SV-7	2220	2.7L Can	11/03/16	231639	L1633692-01	Pass	-29.5	-7.3	-	-	-	-
L1635617-07	UNUSED CANISTER 415	0224	#20 AMB	11/02/16	231167		-	-	-	Pass	18.0	19.6	9
L1635617-07	UNUSED CANISTER 415	415	2.7L Can	11/02/16	231167	L1634631-01	Pass	-30.0	-28.3	-	-	-	-

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

Lab Number: L1633692
Report Date: 11/09/16

Air Canister Certification Results

Lab ID: L1633692-01
Client ID: CAN 526 SHELF 10
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 10/20/16 18:47
Analyst: RY

Date Collected: 10/19/16 16:00
Date Received: 10/20/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1



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

Lab Number: L1633692
Report Date: 11/09/16

Air Canister Certification Results

Lab ID: L1633692-01
Client ID: CAN 526 SHELF 10
Sample Location:

Date Collected: 10/19/16 16:00
Date Received: 10/20/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1633692**Project Number:** CANISTER QC BAT**Report Date:** 11/09/16**Air Canister Certification Results**

Lab ID: L1633692-01

Date Collected: 10/19/16 16:00

Client ID: CAN 526 SHELF 10

Date Received: 10/20/16

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L1633692
Report Date: 11/09/16

Air Canister Certification Results

Lab ID: L1633692-01
Client ID: CAN 526 SHELF 10
Sample Location:

Date Collected: 10/19/16 16:00
Date Received: 10/20/16
Field Prep: Not Specified

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1633692**Project Number:** CANISTER QC BAT**Report Date:** 11/09/16**Air Canister Certification Results**

Lab ID: L1633692-01

Date Collected: 10/19/16 16:00

Client ID: CAN 526 SHELF 10

Date Received: 10/20/16

Sample Location:

Field Prep: Not Specified

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	95		60-140

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

Lab Number: L1633692
Report Date: 11/09/16

Air Canister Certification Results

Lab ID: L1633692-01
Client ID: CAN 526 SHELF 10
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 10/20/16 18:47
Analyst: RY

Date Collected: 10/19/16 16:00
Date Received: 10/20/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



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

Lab Number: L1633692
Report Date: 11/09/16

Air Canister Certification Results

Lab ID: L1633692-01
Client ID: CAN 526 SHELF 10
Sample Location:

Date Collected: 10/19/16 16:00
Date Received: 10/20/16
Field Prep: Not Specified

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



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

Lab Number: L1633692
Report Date: 11/09/16

Air Canister Certification Results

Lab ID: L1633692-01
 Client ID: CAN 526 SHELF 10
 Sample Location:

Date Collected: 10/19/16 16:00
 Date Received: 10/20/16
 Field Prep: Not Specified

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

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

Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1634631**Project Number:** CANISTER QC BAT**Report Date:** 11/09/16**Air Canister Certification Results**

Lab ID: L1634631-01
 Client ID: CAN 462 SHELF 2
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 10/27/16 17:35
 Analyst: RY

Date Collected: 10/26/16 16:00
 Date Received: 10/27/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1



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

Lab Number: L1634631
Report Date: 11/09/16

Air Canister Certification Results

Lab ID: L1634631-01
Client ID: CAN 462 SHELF 2
Sample Location:

Date Collected: 10/26/16 16:00
Date Received: 10/27/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1634631**Project Number:** CANISTER QC BAT**Report Date:** 11/09/16**Air Canister Certification Results**

Lab ID: L1634631-01

Date Collected: 10/26/16 16:00

Client ID: CAN 462 SHELF 2

Date Received: 10/27/16

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1

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

Lab Number: L1634631
Report Date: 11/09/16

Air Canister Certification Results

Lab ID: L1634631-01
Client ID: CAN 462 SHELF 2
Sample Location:

Date Collected: 10/26/16 16:00
Date Received: 10/27/16
Field Prep: Not Specified

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

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1634631**Project Number:** CANISTER QC BAT**Report Date:** 11/09/16**Air Canister Certification Results**

Lab ID: L1634631-01

Date Collected: 10/26/16 16:00

Client ID: CAN 462 SHELF 2

Date Received: 10/27/16

Sample Location:

Field Prep: Not Specified

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	90		60-140

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

Lab Number: L1634631
Report Date: 11/09/16

Air Canister Certification Results

Lab ID: L1634631-01
 Client ID: CAN 462 SHELF 2
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 10/27/16 17:35
 Analyst: RY

Date Collected: 10/26/16 16:00
 Date Received: 10/27/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



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

Lab Number: L1634631
Report Date: 11/09/16

Air Canister Certification Results

Lab ID: L1634631-01
Client ID: CAN 462 SHELF 2
Sample Location:

Date Collected: 10/26/16 16:00
Date Received: 10/27/16
Field Prep: Not Specified

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



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1634631**Project Number:** CANISTER QC BAT**Report Date:** 11/09/16**Air Canister Certification Results**

Lab ID: L1634631-01

Date Collected: 10/26/16 16:00

Client ID: CAN 462 SHELF 2

Date Received: 10/27/16

Sample Location:

Field Prep: Not Specified

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

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

Project Name: MORTON VILLAGE**Lab Number:** L1635617**Project Number:** 2517.0001Y000**Report Date:** 11/09/16**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Cooler Information Custody Seal**Cooler**

N/A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1635617-01A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1635617-02A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1635617-03A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1635617-04A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1635617-05A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1635617-06A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	TO15-LL(30)
L1635617-07A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	CLEAN-FEE()

*Values in parentheses indicate holding time in days

Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1635617
Report Date: 11/09/16

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

Report Format: Data Usability Report



Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1635617
Report Date: 11/09/16

Data Qualifiers

- reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1635617
Report Date: 11/09/16

REFERENCES

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

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624: m/p-xylene, o-xylene

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 300: DW: Bromide

EPA 6860: NPW and SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

EPA 9012B: NPW: Total Cyanide

EPA 9050A: NPW: Specific Conductance

SM3500: NPW: Ferrous Iron

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.

SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility

SM 2540D: TSS

EPA 3005A NPW

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: **EPA 3050B**

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

Westborough Facility:

Drinking Water

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.**

Mansfield Facility:

Drinking Water

EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1 Hg.**

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

EPA 245.1 Hg.

SM2340B

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

CHAIN OF CUSTODY

Client Information

Fax: 631-232-9898

Email: jwills@rouxinc.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

PAGE 1 OF 1

Date Rec'd in Lab: 11/4/10

Report Information - Data Deliverables

☐ FAX

~~Y~~ ADEx

Criteria Checker:

(Default based on Regulatory Criteria Indicated)

Other Formats:

☐ EMAIL (standard pdf report)

☒ Additional Deliverables

Report to: (if different than Project Manager)

ALPHA Job #: 11635617

Billing Information

☒ Same as Client info	PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

ANALYSIS

All Columns Below Must Be Filled Out

[illegible]

***SAMPLE MATRIX CODES**

AA = Ambient Air (Indoor/Outdoor)

SV = Soil Vapor/Landfill Gas/SVE

Other = Please Specify

Container Type

CS

Relinquished By:

Date/Time

Received By:

Date/Time:

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

Form No 101-02 Rev
Page 57 of 58

Valerie Sabatino

Paul Mazella AAL

11/03/16 10:55

11/03/16 21:30
11/4/16 01:30

Received By: Sean Ryan / A10 phay

30 Paul Maggella
55 ~~305~~ ~~2~~ ~~1~~ ~~1~~

14/03/16	10:57
14/03/16	10:57

11/3/10 21:30
t(14/10 08:55

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



AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Client Information

Client: Roux Associates
Address: 209 Shafter St
Islandia NY 11749
Phone: 631-232-2600
Fax: 631-232-9898

Email: jwills@rouxinc.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

Project Information

Project Name:	Morton Village
Project Location:	1020 Old Country Rd, Plainville, MI
Project #:	2517.00014000
Project Manager:	Jeff Wills
ALPHA Quote #:	

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due:

Time:

Date Rec'd in Lab: 11/5/16

Report Information - Data Deliverables

☐ FAX

☒ ~~MADE~~ex

Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)

Other Formats: _____

☐ EMAIL (standard pdf report)

☒ Additional Deliverables: _____

Report to: Cat B (if different than Project Manager)

ALPHA Job #: L1635607

Billing Information

☒ Same as Client info	PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

ADD TO SAMPLE
DELIVERABLE FOR
11/2/16 SV SAMPLES.

ANALYSIS

All Columns Below Must Be Filled Out

[illegible]

***SAMPLE MATRIX CODES**

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

Container Type

CS

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

Relinquished By:

Date/Time

Received By:

Date/Time:

Where Solitario
Leaves him 1 A Jerk
Paul Mazella

11/04/16 11:49

Scap Pms Alpha

11/04/16 11:4

4/04/16 10.

54 First May 1881

11/4/10

11/5/16 U

4:50 ~~Bu~~ ~~Bu~~

11/5/16 04:15



ANALYTICAL REPORT

Lab Number:	L1636782
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Jeffrey Wills
Phone:	(631) 232-2366
Project Name:	MORTON VILLAGE
Project Number:	2517.0001Y000
Report Date:	11/17/16

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1636782
Report Date: 11/17/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1636782-01	RMW-1	WATER	1022 OLD COUNTRY RD., PLAINVIEW, NY	11/11/16 08:50	11/11/16
L1636782-02	MW-1	WATER	1022 OLD COUNTRY RD., PLAINVIEW, NY	11/11/16 13:25	11/11/16
L1636782-03	MW-3	WATER	1022 OLD COUNTRY RD., PLAINVIEW, NY	11/11/16 15:30	11/11/16
L1636782-04	DUP111116	WATER	1022 OLD COUNTRY RD., PLAINVIEW, NY	11/11/16 15:40	11/11/16
L1636782-05	FB111116	WATER	1022 OLD COUNTRY RD., PLAINVIEW, NY	11/11/16 15:10	11/11/16
L1636782-06	TRIP BLANK	WATER	1022 OLD COUNTRY RD., PLAINVIEW, NY	11/10/16 00:00	11/11/16

Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1636782
Report Date: 11/17/16

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1636782
Report Date: 11/17/16

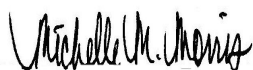
Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

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

Authorized Signature:



Michelle M. Morris

Title: Technical Director/Representative

Date: 11/17/16

ORGANICS

VOLATILES

Project Name: MORTON VILLAGE**Lab Number:** L1636782**Project Number:** 2517.0001Y000**Report Date:** 11/17/16**SAMPLE RESULTS**

Lab ID: L1636782-01
Client ID: RMW-1
Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/14/16 17:03
Analyst: PD

Date Collected: 11/11/16 08:50
Date Received: 11/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.53		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE

Lab Number: L1636782

Project Number: 2517.0001Y000

Report Date: 11/17/16

SAMPLE RESULTS

Lab ID: L1636782-01

Date Collected: 11/11/16 08:50

Client ID: RMW-1

Date Received: 11/11/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE

Lab Number: L1636782

Project Number: 2517.0001Y000

Report Date: 11/17/16

SAMPLE RESULTS

Lab ID: L1636782-01

Date Collected: 11/11/16 08:50

Client ID: RMW-1

Date Received: 11/11/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	107		70-130

Project Name: MORTON VILLAGE

Lab Number: L1636782

Project Number: 2517.0001Y000

Report Date: 11/17/16

SAMPLE RESULTS

Lab ID: L1636782-02
 Client ID: MW-1
 Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY
 Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/14/16 17:36
 Analyst: PD

Date Collected: 11/11/16 13:25
 Date Received: 11/11/16
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	34		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	0.91	J	ug/l	2.5	0.70	1
Trichloroethene	8.6		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE

Lab Number: L1636782

Project Number: 2517.0001Y000

Report Date: 11/17/16

SAMPLE RESULTS

Lab ID: L1636782-02

Date Collected: 11/11/16 13:25

Client ID: MW-1

Date Received: 11/11/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	21		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	22	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE

Lab Number: L1636782

Project Number: 2517.0001Y000

Report Date: 11/17/16

SAMPLE RESULTS

Lab ID: L1636782-02

Date Collected: 11/11/16 13:25

Client ID: MW-1

Date Received: 11/11/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	108		70-130

Project Name: MORTON VILLAGE**Lab Number:** L1636782**Project Number:** 2517.0001Y000**Report Date:** 11/17/16**SAMPLE RESULTS**

Lab ID: L1636782-03
Client ID: MW-3
Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/14/16 18:08
Analyst: KD

Date Collected: 11/11/16 15:30
Date Received: 11/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	15		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	1.6		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE

Lab Number: L1636782

Project Number: 2517.0001Y000

Report Date: 11/17/16

SAMPLE RESULTS

Lab ID: L1636782-03

Date Collected: 11/11/16 15:30

Client ID: MW-3

Date Received: 11/11/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1.4	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	1.4	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE**Lab Number:** L1636782**Project Number:** 2517.0001Y000**Report Date:** 11/17/16**SAMPLE RESULTS****Lab ID:** L1636782-03**Date Collected:** 11/11/16 15:30**Client ID:** MW-3**Date Received:** 11/11/16**Sample Location:** 1022 OLD COUNTRY RD., PLAINVIEW, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	105		70-130

Project Name: MORTON VILLAGE**Lab Number:** L1636782**Project Number:** 2517.0001Y000**Report Date:** 11/17/16**SAMPLE RESULTS**

Lab ID: L1636782-04
Client ID: DUP111116
Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/14/16 18:41
Analyst: KD

Date Collected: 11/11/16 15:40
Date Received: 11/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	15		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	1.5		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE

Lab Number: L1636782

Project Number: 2517.0001Y000

Report Date: 11/17/16

SAMPLE RESULTS

Lab ID: L1636782-04

Date Collected: 11/11/16 15:40

Client ID: DUP111116

Date Received: 11/11/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	1.3	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	1.3	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE

Lab Number: L1636782

Project Number: 2517.0001Y000

Report Date: 11/17/16

SAMPLE RESULTS

Lab ID: L1636782-04

Date Collected: 11/11/16 15:40

Client ID: DUP111116

Date Received: 11/11/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	107		70-130

Project Name: MORTON VILLAGE**Lab Number:** L1636782**Project Number:** 2517.0001Y000**Report Date:** 11/17/16**SAMPLE RESULTS**

Lab ID: L1636782-05
Client ID: FB111116
Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/14/16 19:13
Analyst: KD

Date Collected: 11/11/16 15:10
Date Received: 11/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE

Lab Number: L1636782

Project Number: 2517.0001Y000

Report Date: 11/17/16

SAMPLE RESULTS

Lab ID: L1636782-05

Date Collected: 11/11/16 15:10

Client ID: FB111116

Date Received: 11/11/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE**Lab Number:** L1636782**Project Number:** 2517.0001Y000**Report Date:** 11/17/16**SAMPLE RESULTS****Lab ID:** L1636782-05**Date Collected:** 11/11/16 15:10**Client ID:** FB111116**Date Received:** 11/11/16**Sample Location:** 1022 OLD COUNTRY RD., PLAINVIEW, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	107		70-130

Project Name: MORTON VILLAGE**Lab Number:** L1636782**Project Number:** 2517.0001Y000**Report Date:** 11/17/16**SAMPLE RESULTS**

Lab ID: L1636782-06
Client ID: TRIP BLANK
Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/14/16 19:45
Analyst: KD

Date Collected: 11/10/16 00:00
Date Received: 11/11/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE

Lab Number: L1636782

Project Number: 2517.0001Y000

Report Date: 11/17/16

SAMPLE RESULTS

Lab ID: L1636782-06

Date Collected: 11/10/16 00:00

Client ID: TRIP BLANK

Date Received: 11/11/16

Sample Location: 1022 OLD COUNTRY RD., PLAINVIEW, NY

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: MORTON VILLAGE**Lab Number:** L1636782**Project Number:** 2517.0001Y000**Report Date:** 11/17/16**SAMPLE RESULTS****Lab ID:** L1636782-06**Date Collected:** 11/10/16 00:00**Client ID:** TRIP BLANK**Date Received:** 11/11/16**Sample Location:** 1022 OLD COUNTRY RD., PLAINVIEW, NY**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	109		70-130

Project Name: MORTON VILLAGE

Lab Number: L1636782

Project Number: 2517.0001Y000

Report Date: 11/17/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/14/16 11:39
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG952229-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: MORTON VILLAGE

Lab Number: L1636782

Project Number: 2517.0001Y000

Report Date: 11/17/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/14/16 11:39
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG952229-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: MORTON VILLAGE

Lab Number: L1636782

Project Number: 2517.0001Y000

Report Date: 11/17/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/14/16 11:39
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG952229-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1636782

Report Date: 11/17/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG952229-3 WG952229-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		100		70-130	10		20
2-Chloroethylvinyl ether	76		73		70-130	4		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	110		100		63-130	10		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	110		100		67-130	10		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	110		100		70-130	10		20
1,1-Dichloropropene	110		100		70-130	10		20
Bromoform	110		100		54-136	10		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	110		100		70-130	10		20
Toluene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1636782

Report Date: 11/17/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG952229-3 WG952229-4								
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		120		64-130	9		20
Bromomethane	130		140	Q	39-139	7		20
Vinyl chloride	130		120		55-140	8		20
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	110		100		70-130	10		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	99		98		63-130	1		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Dibromomethane	110		110		70-130	0		20
1,2,3-Trichloropropane	100		98		64-130	2		20
Acrylonitrile	110		110		70-130	0		20
Isopropyl Ether	110		110		70-130	0		20
tert-Butyl Alcohol	112		114		70-130	2		20
Styrene	105		100		70-130	5		20

Lab Control Sample Analysis Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1636782

Report Date: 11/17/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG952229-3 WG952229-4								
Dichlorodifluoromethane	120		120		36-147	0		20
Acetone	110		110		58-148	0		20
Carbon disulfide	98		96		51-130	2		20
2-Butanone	96		110		63-138	14		20
Vinyl acetate	99		99		70-130	0		20
4-Methyl-2-pentanone	93		95		59-130	2		20
2-Hexanone	92		96		57-130	4		20
Acrolein	100		110		40-160	10		20
Bromochloromethane	110		120		70-130	9		20
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	99		100		70-130	1		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	110		100		64-130	10		20
Bromobenzene	110		100		70-130	10		20
n-Butylbenzene	110		100		53-136	10		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	110		100		70-130	10		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	94		93		41-144	1		20
Hexachlorobutadiene	100		99		63-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1636782

Report Date: 11/17/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG952229-3 WG952229-4								
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	96		96		70-130	0		20
n-Propylbenzene	110		100		69-130	10		20
1,2,3-Trichlorobenzene	99		99		70-130	0		20
1,2,4-Trichlorobenzene	97		98		70-130	1		20
1,3,5-Trimethylbenzene	110		100		64-130	10		20
1,2,4-Trimethylbenzene	110		100		70-130	10		20
Methyl Acetate	120		120		70-130	0		20
Ethyl Acetate	100		110		70-130	10		20
Cyclohexane	110		110		70-130	0		20
Ethyl-Tert-Butyl-Ether	99		98		70-130	1		20
Tertiary-Amyl Methyl Ether	96		98		66-130	2		20
1,4-Dioxane	122		124		56-162	2		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	120		120		70-130	0		20
p-Diethylbenzene	110		100		70-130	10		20
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	120		110		70-130	9		20
Tetrahydrofuran	100		100		58-130	0		20
Ethyl ether	120		120		59-134	0		20
trans-1,4-Dichloro-2-butene	96		94		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: MORTON VILLAGE

Project Number: 2517.0001Y000

Lab Number: L1636782

Report Date: 11/17/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG952229-3 WG952229-4								
Iodomethane	120		130		70-130	8		20
Methyl cyclohexane	110		110		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		101		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	104		105		70-130

Project Name: MORTON VILLAGE**Project Number:** 2517.0001Y000**Lab Number:** L1636782**Report Date:** 11/17/16**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Cooler Information Custody Seal**Cooler**

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1636782-01A	Vial HCl preserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1636782-01B	Vial HCl preserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1636782-01C	Vial HCl preserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1636782-02A	Vial HCl preserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1636782-02B	Vial HCl preserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1636782-02C	Vial HCl preserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1636782-03A	Vial HCl preserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1636782-03B	Vial HCl preserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1636782-03C	Vial HCl preserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1636782-04A	Vial HCl preserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1636782-04B	Vial HCl preserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1636782-04C	Vial HCl preserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1636782-05A	Vial HCl preserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1636782-05B	Vial HCl preserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1636782-05C	Vial HCl preserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1636782-06A	Vial HCl preserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)
L1636782-06B	Vial HCl preserved	A	N/A	3.7	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1636782
Report Date: 11/17/16

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

Report Format: DU Report with 'J' Qualifiers



Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1636782
Report Date: 11/17/16

Data Qualifiers

- reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: MORTON VILLAGE
Project Number: 2517.0001Y000

Lab Number: L1636782
Report Date: 11/17/16

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624: m/p-xylene, o-xylene

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 300: DW: Bromide

EPA 6860: NPW and SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

EPA 9012B: NPW: Total Cyanide

EPA 9050A: NPW: Specific Conductance

SM3500: NPW: Ferrous Iron

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.

SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility

SM 2540D: TSS

EPA 3005A NPW

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: **EPA 3050B**

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

Westborough Facility:

Drinking Water

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.**

Mansfield Facility:

Drinking Water

EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1 Hg.**

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

EPA 245.1 Hg.

SM2340B

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

Page 38 of 38

Remedial Investigation Summary Report
Morton Village Shopping Center, Plainview, New York

ATTACHMENT 2

Geophysical Survey

GPR
MAGNETICS
ELECTROMAGNETICS
SEISMICS
RESISTIVITY
UTILITY LOCATION
UXO DETECTION
BOREHOLE CAMERA
STAFF SUPPORT

Results of a Geophysical Investigation

**Morton Village Shopping Center
1022 Old County Road
Plainview, New York**

**Prepared for: Roux Associates, Inc.
Islandia, New York**

Date of Investigation: April 11, 2016

Prepared by:



Daniel Latini
Geophysicist: Project Manager
NAEVA Geophysics Inc.
225 N Route 303, Suite 102
Congers, NY 10920

Contents

Introduction

Methods

Results

Conclusions

Figure 1	Results of Geophysical Instigation behind Morton Village shopping center 1022 Old Country Road, Plainview, NY
Figure 2	Results of Geophysical Instigation front of Morton Village shopping center 1022 Old Country Road, Plainview, NY
Figure 3	Em-31 Conductivity Morton Shopping Center Plainview, NY
Figure 4	Em-31 Inphase Morton Shopping Center Plainview, NY

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Results of a Geophysical Investigation
Morton Village Shopping Center
1022 Old County Road
Plainview, New York

Introduction On April 11, 2016, NAEVA Geophysics conducted a geophysical investigation at the Morton Village Shopping Center, which is located at 1022 Old Country Road in Plainview, New York. The purpose of the investigation was to mark out detectable utilities with particular attention to historic or abandoned sanitary / storm systems and undocumented UST's within an approximately 0.75-acre portion of the property.

The area of investigation (AOI) included an area to the northwest behind the Subway Restaurant and if there was time to complete within one day an area to the southeast in front of the Subway Restaurant and an area to the southwest next to the diner in the shopping plaza. Due to the time restraints only the rear northwest area and approximately 80% of the southeast areas were completed; no work was conducted in the southwest area. All areas were paved asphalt with vehicle parking and had moderate to heavy vehicle traffic.

Methods The instruments selected for this investigation included a Geonics EM31 terrain conductivity meter, a Subsite 950 utility locator, a 3M Dynatel 2250 Cable Locator, a Mala Ground Penetrating Radar (GPR) with a 250 MHz antenna, and a Fisher TW-6 Pipe and Cable Locator (a type of electromagnetic metal-detector).

The EM-31 measures two components of an induced magnetic field. The first is the quadrature-phase (or terrain conductivity) component, which is a measurement of the apparent soil conductivity expressed in millisiemens per meter (mS/m). Terrain conductivity is used to delineate areas of anomalously high or low conductivity that can be caused by landfill materials, former building foundations, or metallic objects. The second measured parameter is the in-phase component, which is a relative measurement between the induced magnetic field and the earth's magnetic field expressed in parts per thousand (ppt). The in-phase component is sensitive to metallic objects and, therefore, can be very useful in the detection of buried drums and USTs. The EM-31's response is not very sensitive to small metallic items that may be entrained in the near surface soil, therefore metallic objects identified by this instrument tend to be large and significant.

Where site conditions allowed, a grid of parallel lines, spaced 2.5 feet apart, was established across the AOI. Reference points were marked at a 30-foot interval, where possible, along each line. EM-31 data was collected over this grid in a generally west-east direction.

The EM-31 data was processed after the initial data collection to allow for field evaluation, and then again at NAEVA's office in Congers, New York, with

additional software used to produce report-quality maps. The color contour maps (Figures 2 and 3) were inspected for areas of anomalous response that could represent buried drums or changes in subsurface materials. NAEVA attempted to reacquire anomalies depicted in the contour maps utilizing the TW-6 metal-detector and the GPR. The GPR was also used in a reconnaissance manner to investigate portions of the AOI that could not be accessed by the EM-31 and in selected spots outside the AOI.

In general, the green-yellow colors on the contour maps represent the background response, with the blues representing low or negative anomalies and the reds representing the high or positive anomalies. Since the absolute values are not usually diagnostic, areas displayed in the data exhibiting relatively high or relatively low values in either data set can be considered anomalous. A negative response by the in-phase component is usually an indication of buried metal, and a positive response usually indicates the presence of at or near surface metal.

The Subsite and Dynatel was used to conduct a signal onto the accessible metal utility pipes. The metal-detector was used to search the property for anomalies that could represent utilities and determine EM31 features when possible.

Results

Within the northwest area behind the building three roof drains were traced from the building to a small drywell where they terminate. Two abandoned roof drains were identified northeast along the building wall from the active drains, attempts made to locate these lines were unsuccessful. A sanitary sewer was located to run from the building wall facing southwest to a manhole in the middle of the AOI, then turned from the manhole west out of the AOI. No other active utilities were identified within the area behind the building.

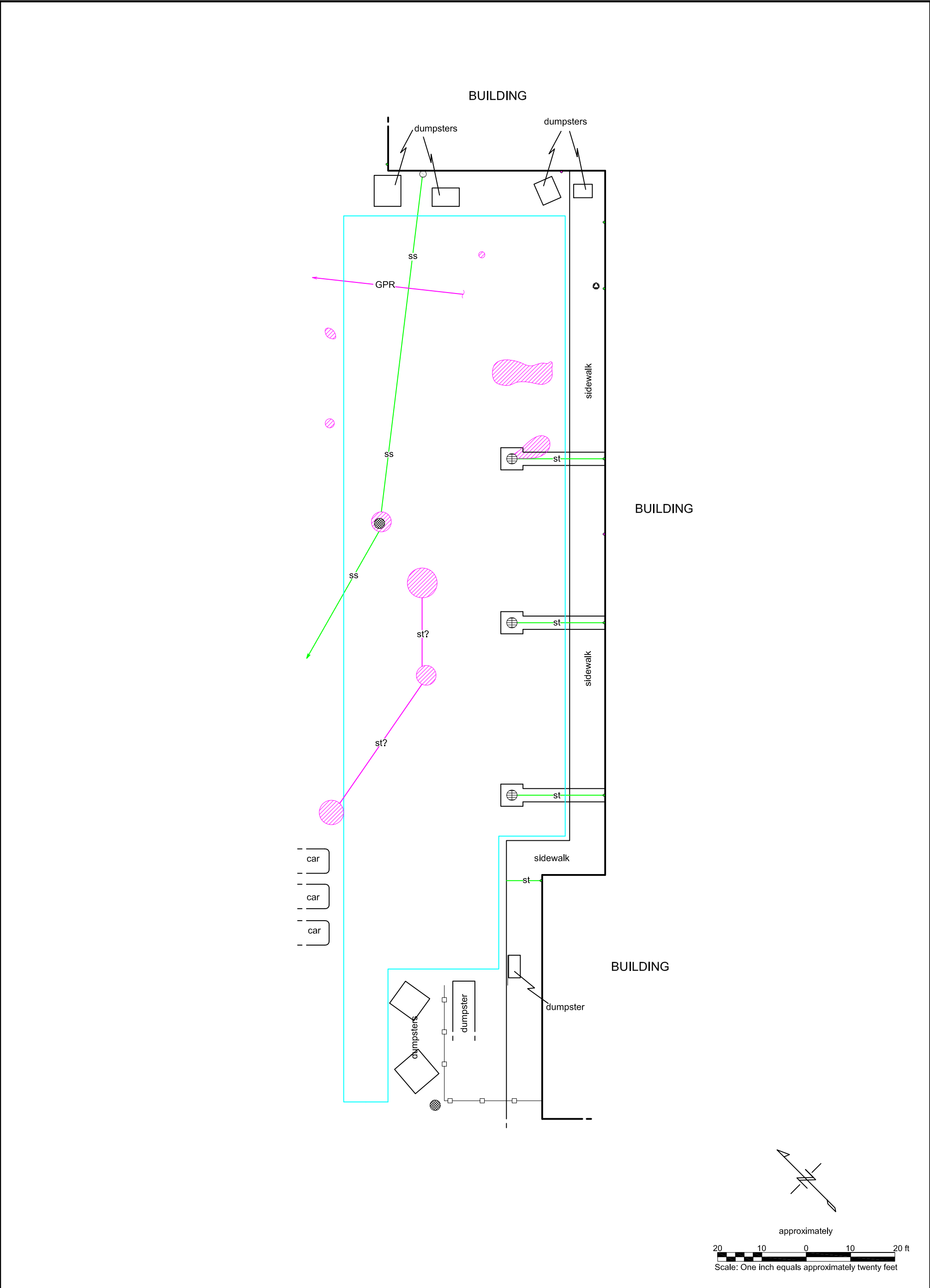
Several EM31 anomalies were identified and verified with TW-6 and GPR. Of these three potential drywells were identified in the center of the AOI. GPR showed linear anomalies between these potential drywells suggesting these anomalies are linked together. Northeast of the three roof drains two anomalies were identified with EM31 and TW-6. GPR was used to determine the origin of these anomalies but was unsuccessful. A linear anomaly was located within the northeast area south of the northern dumpsters. This line started in the middle of the northern portion of AOI and ran north out of the AOI.

Several shallow anomalies were identified with the EM31 in the area north and east of the sanitary manhole. The TW-6 and GPR were used to determine these anomalies but only the two in the north had a small metallic signature that the TW-6 picked up. The presence of these anomalies in the EM31 data suggests these areas are of higher conductivity and had a higher background metallic signature.

In the front area, the area in the south east, the water, gas, and electric lines feeding the store subdivisions run along in the front parking area approximately in a trench

3 to 8 feet from the sidewalk curb line. Three unknown linear lines were detected in the parking area running from the sidewalk out of the AOI to the southeast. One of the previously mentioned lines was determined to be the tele-communication line. No determination of use could be made on the other two lines. Due to moderate to heavy traffic and the presence of parked cars, the EM31 could not be used.

Conclusions Detected subsurface utilities and features were marked on the ground with spray paint using the color code established by the American Public Works Association (red for electric, blue for water, yellow for natural gas and petroleum-related features). Fluorescent pink spray paint was used to mark metal and GPR anomalies, features of unknown use, and utilities identified within the right-of-way to distinguish our marks from those made by the local One-call mark out center. NAEVA recommends that you exercise caution when drilling and/or excavating in the vicinity of any detected and marked out features, and suggests utilizing the regional 811 “one-call” service before breaking ground.



LEGEND			
	area of EM31 investigation		roof drain
	metal-detector anomaly		unknown line
	storm sewer		monitoring well
	sanitary sewer		catch basin
	linear ground penetrating radar anomaly		manhole cover
	suspected utility		sewer vent
	chain-link fence		

NACVA GEOPHYSICS, INC.
THE LEADER IN SUBSURFACE DETECTION
Subsurface Geophysical Surveys

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**Figure 1. Results of Geophysical Investigation
behind Morton Village shopping center
1022 Old County Road, Plainview, New York**

Client	Roux Associates, Inc.	Date of Work	April 11, 2016
Project No.	C1604111L	Map By	Rachel Raines

ALL UNDERGROUND FACILITIES MAY NOT BE DEPICTED ON THIS MAP

BUILDING

BUILDING

sidewalk

sidewalk

sidewalk

cars

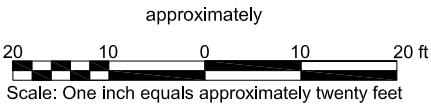
cars

cars

cars

cars

cars



LEGEND

- e electric line
- w water line
- ng natural gas line
- t telephone line
- ? suspected utility

- parked cars
- water valve
- gas valve
- monitoring well

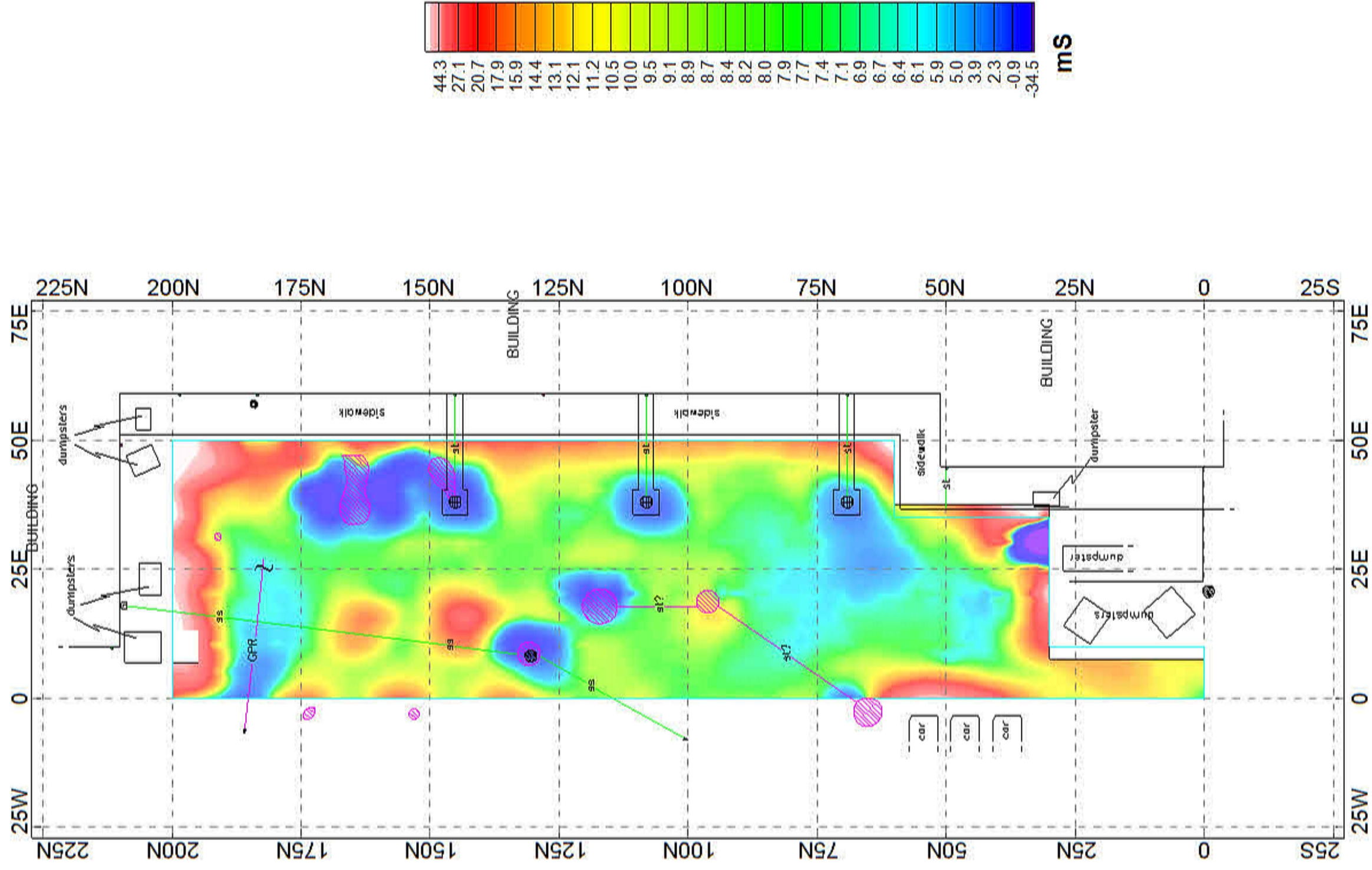


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Figure 2. Results of Geophysical Investigation
front of Morton Village shopping center
1022 Old County Road, Plainview, New York

Client	Roux Associates, Inc.	Date of Work	April 11, 2016
Project No.	C1604111L	Map By	Rachel Raines

ALL UNDERGROUND FACILITIES MAY NOT BE DEPICTED ON THIS MAP



Roux Associates, Inc.

Project Number: C1604111L
EM-31 Conductivity
Morton Village Shopping Center
Plainview, NY

Date of Survey: April 11, 2016
Map By: Daniel Latini

ALL BELOW GROUND FACILITIES MAY NOT BE DEPICTED ON THIS MAP.

