Supplemental Phase II Environmental Investigation

Orchard Park Plaza Site
Orchard Park, New York

June 2014 0304-014-001

Prepared for:

3021-3041 Orchard Park Road, LLC

Prepared by:

TurnKey Environmental Restoration, LLC

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SUPPLEMENTAL PHASE II ENVIRONMENTAL INVESTIGATION REPORT

Orchard Park Plaza Site
3021-3041 Orchard Park Road
Orchard Park, New York

June 2014 0304-014-001

Prepared for:

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SUPPLEMENTAL PHASE II
ENVIRONMENTAL INVESTIGATION REPORT

Orchard Park Plaza Site
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Orchard Park, New York

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1.0 INTRODUCTION

1.1 Background and Site Description

TurnKey Environmental Restoration, LLC (TurnKey) performed a Supplemental Phase II Environmental Investigation on behalf of 3021-3041 Orchard Park Road, LLC at the property addressed as 3021-3041 Orchard Park Road, Town of Orchard Park, Erie County, New York (i.e., the "Site"; see Figure 1). This investigation was performed based on the findings of the "Limited and Focused Subsurface Soil and Groundwater Investigation Report" prepared by LCS, Inc. on May 14, 2014 (see Appendix A).

The subject property is located in a moderately developed commercial and residential area of Orchard Park, New York. The Site, totaling approximately 5.44-acres and encompassing Tax ID Nos. 152.12-2-2.1 and 152.12-2-1, is bordered by Michael Road to the north, convenience store/pharmacy facilities to the south and east, and Orchard Park Road to the west. The Site is improved with a single story multiple unit commercial building.

According to the LCS report, the commercial plaza housed a dry cleaning tenant in the 3035 and 3039 Orchard Park Road tenant units between 1979 and 2008. The LCS investigation included the completion of a subsurface soil and groundwater investigation in accessible exterior areas of the Site to assess potential environmental impact related to the past operation of a dry cleaning facility. The investigation indicated that no analytes were detected in soil at concentrations in exceedance of NYSDEC Part 375 Soil Cleanup Objectives. However, chlorinated volatile organic compounds (cVOCs), commonly associated with dry cleaning facilities, were detected in two temporary monitoring wells in exceedance of NYSDEC Groundwater Criteria (Class GA).

Based on the findings of the LCS report, further investigation was recommended to delineate the extent of cVOCs found at the site. The additional investigation included interior soil borings, a vapor intrusion study and exterior borings and temporary monitoring wells.

2.0 SITE INVESTIGATION

2.1 Interior Subsurface Soil Investigation

On May 20, 2012, TurnKey mobilized a concrete core drill to the site and penetrated the concrete slab at six locations within the commercial building to facilitate collection of underlying soil samples via hand auger. The soil borings included one in tenant address #3037 (a current paint shop) identified as SB-1, one in tenant address #3035 (a hair salon) identified as SB-2, and four within tenant space #3039 (current vacant former dry cleaning facility) identified as SB-3 through SB-6. Soil boring locations are shown on Figure 2. Soil descriptions were completed in the field via visual characterization of excavated soils and test pit excavation faces using the Unified Soil Classification System (USCS), and scanned for total volatile organic vapors with a calibrated MiniRae 3000 PID equipped with a 10.6 eV lamp.

The soil/fill samples were placed in pre-cleaned, laboratory provided sample bottles using dedicated stainless steel sampling tools, and cooled to 4º C in the field. The samples were transported under chain-of-custody command to Alpha Analytical for analysis of Target Compound List (TCL) volatile organic compounds (VOCs), via EPA Method 8260.

2.2 Subslab Vapor Sampling

On May 20, 2014 TurnKey personnel collected three air samples in accordance with NY State Department of Health (NYSDOH) protocols for subslab vapor intrusion investigation: a subslab vapor sample and a corresponding indoor ambient air sample (collected from the former dry cleaning unit), and an outdoor ambient air sample. The samples were collected using Summa® canisters with 12 hour regulators. The canisters were transported under chain-of-custody command to Alpha Analytical for VOC analysis via USEPA Method TO-15. The air sample locations are shown on Figure 2.

2.3 Groundwater Sampling

Boreholes BH-10/TPMW-7 through BH-14/TPMW-11 were completed on May 21, 2014, in accessible locations of the subject property (see Figure 2). Soil samples were

collected with a truck-mounted percussion and hydraulically driven drive system equipped with a 1.5-inch diameter, 48 inch long macro-core sampler.

Following borehole advancement described above, five new temporary monitoring wells were installed at the site (see Figure 2). The wells were constructed using one-inch diameter Schedule 40 PVC well screen. The temporary wells were allowed to stabilize a minimum of one hour prior to groundwater sample collection. Groundwater grab samples were collected from each temporary well utilizing dedicated 0.5" polyethylene bailers. Field measurements of pH, temperature, specific conductance, and turbidity were determined following collection of the analytical samples. Field measured parameters were recorded on Water Quality Field Collection Logs presented in Appendix B. All temporary wells were manually decommissioned (pulled) following reference elevation determinations. The resulting open annulus was backfilled with site soils and/or bentonite and supplemented at the surface with asphalt patch or soil to match the existing grade.

Groundwater samples were placed in pre-cleaned laboratory provided sample bottles, cooled to 4 °C in the field, and transported under chain-of-custody to Alpha Analytical for analysis of VOCs (EPA Method 8260)

3.0 INVESTIGATION FINDINGS

3.1 Field Observations

3.1.1 Qualitative Soil Screening

Soil samples were observed and screened via headspace for VOCs using a PID with measurements ranged from 2.8 ppm (SB-1) to approximately 100 ppm (SB-5) above background (0.0 ppm). A brief description of the field observations is presented below:

Sample ID	Sample Interval (Depth Below Slab)	Soil Description	PID Reading (ppm)
SB-1	1.5' – 2'	sandy lean clay	0 - 2.8
SB-2	1' – 2.5'	sandy lean clay	0 - 7.5
SB-3	2.5' – 3'	sandy lean clay	0 - 4.5
SB-4	2.5' – 3'	weathered shale	0 - 4.5
SB-5	2.5' – 3'	sandy lean clay	0 - 100
SB-6	2.5' – 3'	weathered shale	0 – 1.9

3.1.2 Hydrogeology

Field observations and groundwater elevation measurements are summarized below:

Sample ID	Field Description	PID	Groundwater Elevation[1]
BH10/ TPMW-7	0-0.25': asphalt 0.25'-0.5': gravel 0.5' – 1': brown, moist mostly fine sand 1'-2': shale fragments 2' – 8': silty clay, brown, moist, low plasticity 8' – 10': silty clay w/ shale fragments, moist to wet at 8.5' 10': refusal	0-4':0 ppm 4 -8': 0 ppm 8-10': 0 ppm	498.88
BH11/ TPMW-8	0-0.25': asphalt 0.25'-0.5': gravel 0.5' – 4': grey silty clay with gravel, moist 4' – 8': brown silty clay, moist 8' – 15': grey silty clay w/ gravel, stiff, moist 15': refusal	0-4':0 ppm 4 -8': 0 ppm 8-12': 0 ppm 12-15': 0 ppm	498.85

Sample ID	Field Description	PID	Groundwater Elevation[1]
BH12/ TPMW-9	0-0.25': asphalt 0.25'-0.5': gravel 0.5' – 1': shale fragments 1' – 4': grey, moist silty clay w/ shale fragments 4' – 9': brown silty clay; moist to wet at 5' 9'- 14': grey, moist silty clay w/ gravel 14': refusal	0-4': 3.5 ppm 4 -8': 0 ppm 8-12': 0 ppm 12-15': 0 ppm	498.71
BH13/ TPMW-10	0-0.25': asphalt 0.25'-0.5': gravel 0.5' – 1': shale fragments 1' – 4': grey, moist silty clay w/ shale fragments 4' – 9': brown silty clay; moist to wet at 5' 9'- 15': grey, moist silty clay w/ gravel 15': refusal	0-4':0 ppm 4 -8': 0 ppm 8-12': 0 ppm 12-15': 0 ppm	498.44
BH14/ TPMW-11	0-0.25': asphalt 0.25'-0.5': gravel 0.5' – 1': shale fragments 1' – 4': grey, moist silty clay w/ shale fragments 4' – 9': brown silty clay; moist to wet at 5' 9'- 15': grey, moist silty clay w/ gravel 15': refusal	0-4':0 ppm 4 -8': 0 ppm 8-12': 0 ppm 12-15': 0 ppm	498.74

3 Survey measurement relative to arbitrary vertical datum

3.2 Soil Analytical Results

Table 1 presents a summary of the detected VOCs and associated concentrations for each of the six sub-slab sample locations. For comparative purposes Table 1 includes Soil Cleanup Objectives (SCOs) for commercial use as well as Protection of Groundwater SCOs per 6 NYCRR Part 375-6. Appendix C contains a copy of the laboratory analytical data package.

As indicated on Table 1, the analytical data results indicate one cVOC, tetrachloroethene (PCE), was detected above its protection of groundwater SCO in soil borings SB-5 and SB-6.

3.2 Vapor Monitoring Analytical Results

Table 2 presents results of the indoor, subslab and outdoor air sampling relative to the seven VOCs currently addressed under NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006). The data are screened against decision matrices contained in the NYSDOH guidance (Tables 3 and 4), with the resultant recommended action presented on Table 2. As indicated, all detections were characterized as requiring no further action (NFA) with the exception of carbon tetrachloride (recommended additional monitoring per NYSDOH matrices) and PCE, which slightly exceeded the NFA criteria and is categorized as "IR" (identify sources and reduce exposures). It is important to note that carbon tetrachloride was detected in the outdoor air sample at a similar concentration as the indoor air, suggesting some potential bias from background conditions.

3.3 Groundwater Analytical Results

Groundwater sample results are summarized on Table 5 with comparison to Class GA Groundwater Quality Standards and Guidance Values (GWQSGVs) per NYSDEC T.O.G.S 1.1.1. A copy of the complete laboratory analytical data package is included in Appendix C.

As indicated on Table 5, no VOCs were detected above their respective GWQSGVs in temporary wells TPMW-8 through TPMW-10. At TPMW-7 cis-1,2-dichloroethene and, to a lesser extent, vinyl chloride were detected at concentrations above the standards. Contaminant concentrations were highest at TPMW-11, where benzene, cis-1,2-dichloroethene, tetrachloroethene, trichloroethene and vinyl chloride were detected above the GWQSGVs.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the supplemental Phase II investigation at the Site, TurnKey offers the following recommendations:

- The impacted soils identified within the building should be remediated to mitigate contributions to sub-slab vapor intrusion and/or further degradation of groundwater quality and minimize health and environmental risk if exposed during building renovation work or demolition.
- In-situ groundwater treatment should be performed in the area east of the former drycleaner to break down the remaining contaminants in the saturated zone.
- A subslab depressurization system should be designed, installed and operated within the building to protect current and future occupants from potential subslab vapor intrusion.

5.0 LIMITATIONS

This report has been prepared for the exclusive use of 3021-3041 Orchard Park Road, LLC. The contents of this report are limited to information available at the time of the site investigation activities and to data referenced herein, and assume all referenced historic information sources to be true and accurate. The findings herein may be relied upon only at the discretion of 3021-3041 Orchard Park Road, LLC. Use of or reliance on this report or its findings by any other person or entity is prohibited without written permission of TurnKey Environmental Restoration, LLC.

TABLES

TABLE 1

SUMMARY OF SOIL ANALYTICAL RESULTS

3021 - 3041 Orchard Park Road
Orchard Park, New York

Parameter	Sample Location (Date)						Commercial Soil Cleanup Objectives [1]	Soil Cleanup Objectives for the Protection of Groundwater [1]
	SB-1 (5/20/2014)	SB-2 (5/20/2014)	SB-3 (5/20/2014)	SB-4 (5/20/2014)	SB-5 (5/20/2014)	SB-6 (5/20/2014)		
TCL Volatile Organic Compounds (VOCs) - ug/kg [2]								
Cyclohexane	ND	ND	ND	**13 J**	ND	**4.8 J**	--	--
cis-1,2-Dichloroethene	**0.55 J**	**0.93 J**	ND	**4.6**	**0.92 J**	**28**	500,000	330
trans-1,2-Dichloroethene	ND	**0.56 J**	ND	ND	ND	**2.6 J**	500,000	330
Isopropylbenzene	ND	ND	ND	**0.64 J**	ND	ND	--	--
Methylene Chloride	ND	**2.5 J**	**3 J**	**2.4 J**	**5.7 J**	**7.3 J**	500,000	50
Methylcyclohexane	ND	ND	ND	**53**	ND	**29**	--	--
Trichloroethene	**14**	**8.2**	**0.91 J**	**6.5**	**16**	**140**	200,000	470
Tetrachloroethene	**700**	**150**	**13**	**59**	**2000**	**9900**	150,000	1,300
m/p- Xylene	ND	ND	ND	**0.72 J**	ND	ND	500,000	1,600
o-Xylene	ND	ND	ND	**0.33 J**	ND	ND	500,000	1,600
1,2,3-Trichlorobenzene	**0.4 J**	ND	ND	ND	ND	ND	--	--
Toluene	**0.32 J**	**0.35 J**	**0.36 J**	ND	**0.64 J**	**0.8 J**	500,000	700

Notes:
1. Restricted-commercial soil cleanup objectives (SCOs) per 6 NYCRR Part 375.
2. Only those compounds detected above the laboratory reporting limit are presented in this table.
3. -- = indicates no SCO available
4. J = indicates an estimated value.
5. ND= not detected above laboratory detection limits.
6. Shaded yellow indicates exceedance of Protection of Groundwater SCOs

TABLE 2

COMPARISON OF INDOOR AIR MONITORING RESULTS TO NYSDOH MATRICES

3021 - 3041 Orchard Park Road
Orchard Park, New York

Sample Location	Trichloroethene (TCE)		Carbon Tetrachloride		Vinyl Chloride		Tetrachloroethene (PCE)		1,1-Dichloroethene		cis-1,2-Dichloroethene		1,1,1 -Trichloroethane	
	Lab Reported Concentration (ug/m^3)	Soil Vapor / Indoor Air Matrix 1	Lab Reported Concentration (ug/m^3)	Soil Vapor / Indoor Air Matrix 1	Lab Reported Concentration (ug/m^3)	Soil Vapor / Indoor Air Matrix 2	Lab Reported Concentration (ug/m^3)	Soil Vapor / Indoor Air Matrix 2	Lab Reported Concentration (ug/m^3)	Soil Vapor / Indoor Air Matrix 2	Lab Reported Concentration (ug/m^3)	Soil Vapor / Indoor Air Matrix 2	Lab Reported Concentration (ug/m^3)	Soil Vapor / Indoor Air Matrix 2
Subslab	ND		16.6		ND		3.93		ND		ND		ND	
Indoor	ND	NFA	0.340	**Monitor**	ND	NFA	3.19	**I,R**	ND	NFA	ND	NFA	ND	NFA
Outdoor	ND		0.327		ND		0.258		ND		ND		ND	

Notes:

"ND" = Not Detected
"NFA" = No further action.
"I, R" = Take reasonable and practical actions to identify source(s) and reduce exposures.
"Monitor" = Monitor soil vapor / indoor air
"Mitigate" = Mitigate source of identified parameter.

TABLE 3

Soil Vapor/Indoor Air Matrix 1
Carbon Tetrachloride, Trichloroethene (TCE) & Vinyl Chloride
(October 2006/June 2007)

3021 - 3041 Orchard Park Road
Orchard Park, New York

SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)			
	< 0.25	0.25 to < 1	1 to < 5.0	5.0 and above
< 5	1. No further action	2. Take reasonable and practical actions to identify source(s) and reduce exposures	3. Take reasonable and practical actions to identify source(s) and reduce exposures	4. Take reasonable and practical actions to identify source(s) and reduce exposures
5 to < 50	5. No further action	6. MONITOR	7. MONITOR	8. MITIGATE
50 to < 250	9. MONITOR	10. MONITOR/MITIGATE	11. MITIGATE	12. MITIGATE
250 and above	13. MITIGATE	14. MITIGATE	15. MITIGATE	16. MITIGATE

TABLE 4

Soil Vapor/Indoor Air Matrix 2
Tetrachloroethene (PCE), 1,1,1,-Trichloroethane (1,1,1-TCA)
cis-1,2-dichloroethene (cis-1,2, DCE), 1,1-Dichloroethene (1,1, DCE)
(October 2006/June 2007)

3021 - 3041 Orchard Park Road
Orchard Park, New York

SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m^3)	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m^3)			
	< 3	3 to < 30	30 to < 100	100 and above
< 100	1. No further action	2. Take reasonable and practical actions to identify source(s) and reduce exposures	3. Take reasonable and practical actions to identify source(s) and reduce exposures	4. Take reasonable and practical actions to identify source(s) and reduce exposures
100 to < 1,000	5. MONITOR	6. MONITOR/MITIGATE	7. MITIGATE	8. MITIGATE
1,000 and above	9. MITIGATE	10. MITIGATE	11. MITIGATE	12. MITIGATE

TABLE 5

SUMMARY GROUNDWATER ANALYTICAL DATA

3021-3041 Orchard Park Road
Orchard Park, New York

PARAMETER[1]	GWQS[2]	TPMW-7	TPMW-8	TPMW-9	TPMW-10	TPMW-11
		05/22/14	05/22/14	05/22/14	05/22/14	05/22/14
Volatile Organic Compounds (VOCs) - (ug/L)						
1,1-Dichloroethene	**5**	ND	ND	ND	ND	0.24 J
Acetone	**50**	3 J	4.2 J	7.6	13	7
Benzene	**1**	ND	0.16 J	ND	ND	**1.2**
Cyclohexane	**--**	0.35 J	0.54 J	4.3 J	1.3 J	3.8 J
cis-1,2-Dichloroethene	**5**	**30**	ND	ND	ND	**87**
Methyl Cyclohexane	**--**	0.65 J	0.74 J	10	1.3 J	8.2 J
Methyl tert butyl ether (MTBE)	**--**	ND	ND	ND	1.9 J	ND
Tetrachloroethene	**5**	2	ND	ND	ND	**15**
trans-1,2-Dichloroethene	**5**	1.8 J	ND	ND	ND	1.2 J
Trichloroethene	**5**	2	ND	ND	ND	**11**
Vinyl chloride	**2**	**2.7**	ND	ND	ND	**11**
m/p Xylene	**5**	ND	ND	1 J	ND	ND

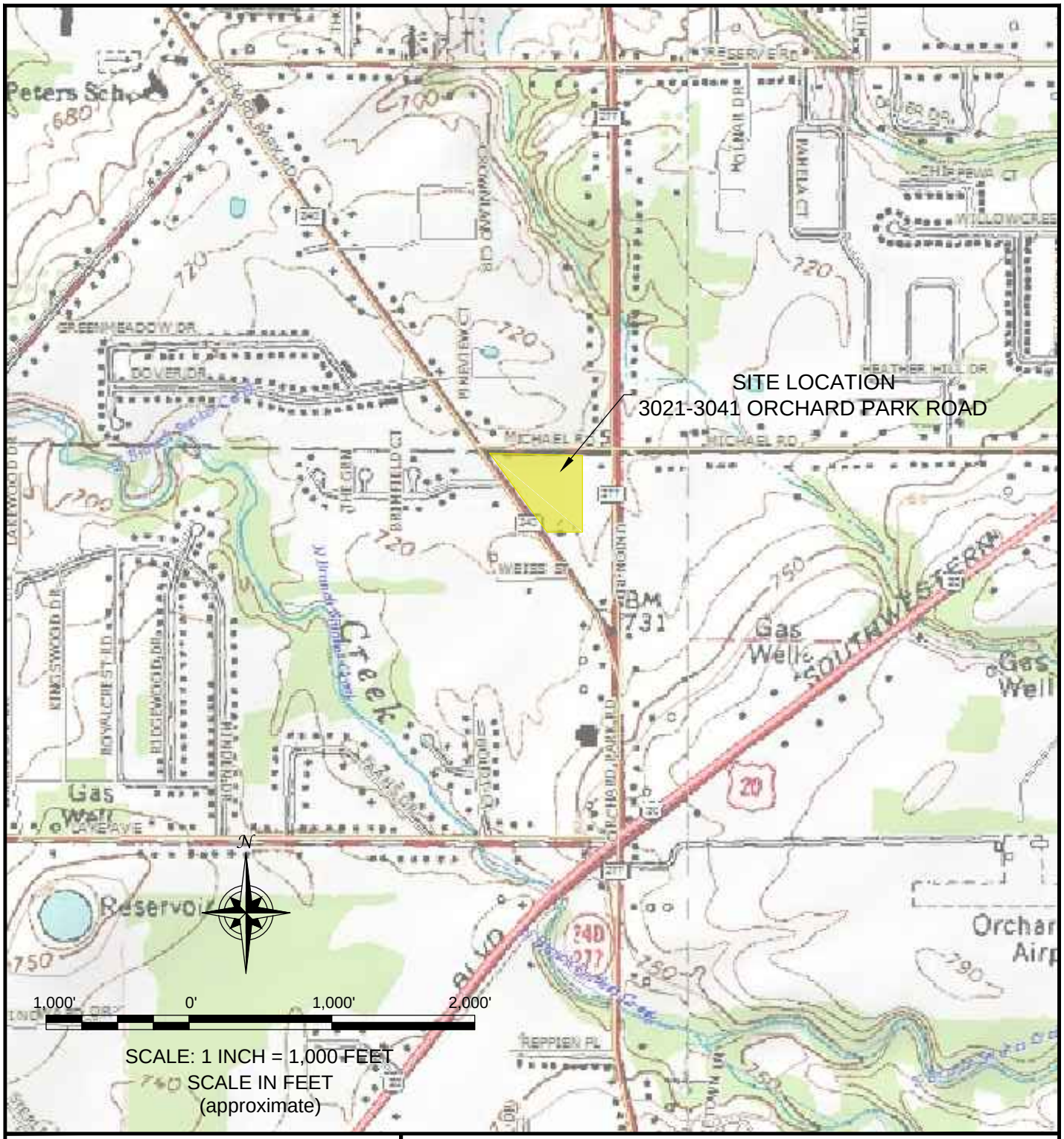
Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per NYSDEC Division of Water Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations - Class GA (TOGS 1.1.1)
3. J = Estimated value.

FIGURES

F:\CAD\TurnKey\3021-3041 Orchard Park Road\Figure 1; Site Location and Vicinity.dwg

FIGURE 1



TurnKey Environmental Restoration, LLC

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SITE LOCATION AND VICINITY MAP

SUPPLEMENTAL PHASE II INVESTIGATION

ORCHARD PARK PLAZA SITE
3021-3041 ORCHARD PARK ROAD
ORCHARD PARK, NEW YORK

PREPARED FOR

3021-3041 ORCHARD PARK RD, LLC

PROJECT NO.:	0304-014-001
DATE:	MAY 30, 2014
DRAFTED BY:	JCT

LEGEND:

- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- SB-1 ● SOIL BORING LOCATION
- BH-10 ● BORE HOLE LOCATION
- BH-1 ● BORE HOLE LOCATION (LCS INVESTIGATION)
- TPMW-7 ● TEMPORARY MONITORING WELL LOCATION
- TPMW1 ● TEMPORARY MONITORING WELL LOCATION (LCS INVESTIGATION)
- SUB-1 VAPOR SAMPLE LOCATION

30' 0' 30' 60'

SCALE: 1 INCH = 30 FEET
SCALE IN FEET
(approximate)

APPROXIMATE LOCATION OF INTERIOR WALLS BETWEEN UNITS (TYP.)

(# 3035)

(# 3037)

(# 3039)

SB-2
SB-1
SB-3
SB-5
SB-6
SB-4
BH-10 TPMW-7
INDOOR AIR
SUBSLAB VAPOR
OUTDOOR AIR

BH1 TPMW1
BH-14 TPMW-11
BH-13 TPMW-10
BH3 TPMW2
BH2
BH-12 TPMW-9
BH-11 TPMW-8
BH4 TPMW3
BH5
BH6 TPMW4
BH7 TPMW5
BH8 TPMW6
BH9

DATE: MAY 30, 2014
DRAFTED BY: JCT

2556 HAMBURG TURNPIKE
SUITE 300
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(716) 856-0635

TURNKEY ENVIRONMENTAL RESTORATION, LLC

JOB NO.: 0304-014-001

AIR MONITORING & SOIL BORING LOCATIONS

SUPPLEMENTAL PHASE II INVESTIGATION

ORCHARD PARK PLAZA SITE
3021-3041 ORCHARD PARK ROAD
ORCHARD PARK, NEW YORK

PREPARED FOR

3021-3041 ORCHARD PARK ROAD, LLC

FIGURE 2

APPENDIX A

PREVIOUS INVESTIGATION REPORT (PROVIDED ELECTRONICALLY)

LCS INC.
Environmental and Real Estate Consultants

Limited and Focused Subsurface Soil and Groundwater Investigation Report for the Property Identified as:

Commercial Plaza
3021-3041 Orchard Park Road
Orchard Park, New York

LCS PROJECT # 13B4431.22

MAY 14, 2014

LCS INC.
Environmental and Real Estate Consultants

Lender Consulting Services, Inc.
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Waterfront Village
40 La Riviere Drive Suite 120
Buffalo, New York 14202

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716.845.6145
Fax: 716.845.6164
www.lenderconsulting.com

May 14, 2014

Mr. Michael Thomas
Northwest Savings Bank
3150 Sheridan Drive
Amherst, New York 14226

Re: Limited and Focused Subsurface Soil and Groundwater Investigation
Commercial Plaza
3021-3041 Orchard Park Road
Orchard Park, New York
LCS Project No. 13B4431.22

Dear Mr. Thomas:

Background
At your request, Lender Consulting Services, Inc. (LCS) performed a limited and focused subsurface soil and groundwater investigation at the property identified as multi-unit retail store, located at 3021-3041 Orchard Park Road, Orchard Park, New York (See Figure 1). The subject property measures approximately 5.44 acres and is occupied by several commercial tenants. The subject property is located in a moderately developed commercial and residential area. The topography of the site is generally level at grade.

This investigation was recommended based on the information gathered by LCS during an All Appropriate Inquiries Phase I Environmental Site Assessment Report for the above-referenced property, dated October 10, 2013. Through that report, the following recognized environmental condition was identified warranting intrusive study at that time.

- According to historic city directories and regulatory listings, the subject property was utilized for dry cleaning from at least 1979 through 2008. The historic dry cleaning tenants were addressed at 3035 and 3039 Orchard Park Road.

Introduction
The purpose of this study was to better assess the environmental quality of on-site soils and groundwater in accessible locations of the subject property due to the environmental concern identified above. Soil samples were collected for stratigraphic characterization and field monitoring. Temporary groundwater monitoring wells (TPMWs) were installed within select test borings where groundwater was encountered. Select soil and groundwater samples were submitted for laboratory analysis to supplement field observations. The temporary wells were removed following sampling.

The following is a summary of the methods and results of the investigation.

Methods of Investigation

Soil

Soil samples were collected on May 7, 2014, with a truck-mounted percussion and hydraulically driven drive system equipped with an approximate 2-inch diameter, approximate 60-inch long macro-core sampler. Soil samples were collected within each borehole continuously from the ground surface to a depth of between approximately 16 and 18.5 feet below the ground surface (ft. bgs). Any downhole equipment was decontaminated with an Alconox and tap water wash and tap water rinse between boreholes. The cutting shoes were decontaminated in a similar manner between collection of each sample.

The physical characteristics of all soil samples were classified using the Unified Soil Classification System (USCS) (Visual-Manual Method). Upon collection, the liner containing the sample was opened slightly at several locations and total volatile organic compound (VOC) concentrations in air within the sample were recorded using a photoionization detector (PID) calibrated in accordance with manufacturer's specifications. (The PID is designed to detect VOCs, such as those associated with petroleum and some solvents.) The results of this screening are included in the attached boring logs. Based on the field observations and/or PID measurements, soils were selected for analysis (see below).

Groundwater

Temporary groundwater monitoring wells TPMW1 through TPMW6 were installed within boreholes BH1, BH3, BH4, BH6 through BH8. Generally, the bottoms of the wells were set to approximately 16 to 18 ft. bgs. Each of the wells was constructed with one-inch diameter PVC screen and riser with a silica filter pack placed around the well screen. A bentonite seal was placed above the sand and the wells were covered with plastic caps, to prevent surface water from entering the wells. Refer to the attached subsurface logs/well construction details for well specific well construction details.

The groundwater samples from the temporary groundwater monitoring wells were collected on May 7, 2014 and May 8, 2014. Prior to sample collection, each well was developed by removing three to five well volumes from the well. New disposable dedicated PVC bailers were used for well development and sample collection activities.

Sample Analysis

Following labeling of the laboratory-supplied sample containers, selected samples were placed on ice. The samples were then submitted, under standard chain-of-custody, to a National Environmental Laboratory Accreditation Council (NELAC) approved laboratory for analysis in accordance with the United States Environmental Protection Agency (USEPA) SW-846 Methods as summarized below. The analytical methods were chosen based on LCS' experience with sites of similar use.

The following table summarizes the specific analytical testing performed and their respective sample locations.

Sample Location	Analytical Testing Performed	Recognized Environmental Condition
Soil		
BH1 (~0.8-4 ft. bgs)	TCL VOCs	Historic on-site dry cleaning operations
BH3 (~6-8 ft. bgs)		
BH4 (~12-14 ft. bgs)		
BH6 (~2-4 ft. bgs)		
BH7 (~0.5-2 ft. bgs)		
BH8 (0.5-2 ft. bgs)		
Groundwater		
TPMW1	TCL VOCs	Historic on-site dry cleaning operations
TPMW2		
TPMW3		
TPMW4		
TPMW5		
TPMW6		

BH = Borehole
TPMW = Temporary groundwater monitoring well
ft. bgs = feet below ground surface
TCL VOCs = Target Compound List volatile organic compounds via USEPA Test Method 8260

Results of Field Investigation

Subsurface Investigation

Nine boreholes (BH1 through BH9) were completed in accessible areas of the subject property proximate to the environmental concerns. (See Figure 2.) A total of 63 soil samples were collected for geologic description. Fill material consisting of asphalt was encountered within all test borings to a depth of approximately 0.5 ft. bgs. Generally, the fill materials were underlain by native soils consisting of varying mixtures of silt, clay, sand, and gravel to the bottom of the test borings. Apparent groundwater was encountered within BH1, and BH3 through BH8 between approximately 5 and 13 ft. bgs. No apparent groundwater was encountered in BH2 and BH9.

PID measurements were above total ambient air background VOC measurements (i.e., 0.0 parts per million, ppm) in 53 of the 63 soil samples collected. These elevated concentrations ranged from 0.1 parts per million (ppm) to 70 ppm (BH8, ~0-2 ft. bgs). Suspect solvent-type odors were detected in the soil samples collected from BH1 (~0-4 ft bgs), BH6 (~0-4 ft bgs), and BH7 (~0-2 ft bgs). No solvent-type staining was observed in the soil samples collected.

Refer to the attached subsurface logs for soil classification for each sample interval, field observations and PID measurements.

Investigation Analytical Results

The soil and groundwater samples collected and analyzed detected the following analytes. The respective concentrations as well as commonly applied regulatory guidance values are also listed for comparison. Analytes not detected are not shown.

SOIL TESTING RESULTS
VOCs by USEPA SW-846 Method 8260

Sample ID	BH1	BH3	BH4	BH6	BH7	BH8	Part 375 (Unrestricted) Soil Cleanup Objectives	Part 375 (Commercial) Soil Cleanup Objectives
Date Sampled	5/07/14	5/07/14	5/07/14	5/07/14	5/07/2014	5/07/14		
Sample Depth	0.8-4 ft. bgs	6-8 ft. bgs	12-14 ft. bgs	2-4 ft. bgs	0.5-2 ft. bgs	0.5-2 ft. bgs		
Units	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Acetone	<290	<240	<2.7	**53.5**	<300	<2.0	50	500,000
Carbon Disulfide	<13	<11	<0.13	0.59 J	<14	0.98 J	NL	NL
Cis-1,2- Dichloroethene	215	183	<0.44	<0.44	<49	<0.32	250	500,000
Benzene	<35	<29	1.8	<0.33	<37	1.0	60	44,000
Trichloroethene	<25	169 J	<0.24	<0.24	<27	<0.17	470	200,000
Toluene	<21	<18	4.5 J	<0.20	<22	2.4 J	700	500,000
Tetrachloroethene	589	450	<0.30	<0.30	<34	<0.22	1,300	150,000
Xylene (total)	<23	<19	4.5	<0.21	<24	3.0	260*	500,000*

µg/kg = micrograms per kilogram
ft. bgs = feet below ground surface
NL = Not Listed
J = Indicates an estimated value
Part 375 Soil Cleanup Objectives = New York State Department of Environmental Conservation 6 NYCRR Part 375 Environmental Remediation Programs, December 14, 2006 (375-6.8, Soil Cleanup Objective Tables)
*= Based on the sum of the Total Xylenes.

GROUNDWATER TESTING RESULTS
VOCs by USEPA SW-846 Method 8260

Sample ID	TPMW1	TPMW2	TPMW3	TPMW4	TPMW5	TPMW6	NYSDEC Groundwater Criteria (Class GA)
Date Sampled	5/07/14	5/07/14	5/08/14	5/08/14	5/08/14	5/08/14	
Units	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Vinyl chloride	<0.58	2.4[a]	<0.58	<0.58	<0.58	<0.58	2
Trans-1,2- Dichloroethene	0.77 J	4.3[a]	<0.51	<0.51	<0.51	<0.51	5
1,1- Dichloroethene	<0.61	0.66[a] J	<0.61	<0.61	<0.61	<0.61	5
Cis-1,2- Dichloroethene	67.3	165[a]	<0.84	<0.84	<0.84	<0.84	5
Chloroform	1.7	<0.41	<0.41	<0.41	<0.41	<0.41	7
Trichloroethene	26.9	22.4[a]	<.0.47	<.0.47	<.0.47	<.0.47	5
Tetrachloroethene	71.6	15.0[a]	<0.59	<0.59	<0.59	<0.59	5
Xylene (total)	0.54 J	<0.36	<0.36	<0.36	<0.36	<0.36	5

µg/L = micrograms per liter
NL = Not Listed
[a] = The pH of the sample aliquot for the VOA analysis was >2 at the time of analysis.
J = Indicates an estimated value.
NYSDEC Groundwater Criteria (Class GA) = 6 NYCRR Part 703 (June 1998 and April 2000 Addendum)
= Analyte detected above the NYSDEC Groundwater Criteria (Class GA)

Conclusions

The purpose of this study was to assess the recognized environmental condition identified in the October 10, 2013 All Appropriate Inquiries Phase I Environmental Site Assessment Report (specifically, historic on-site dry cleaning operations). Select soil and groundwater samples were collected from the areas of the recognized environmental conditions.

Subsurface Investigation

Field Observations

Based on the field observations, PID measurements were above total ambient air background VOC measurements (i.e., 0.0 parts per million, ppm) in 53 of the 63 soil samples collected. These elevated concentrations ranged from 0.1 parts per million (ppm) to 70 ppm (BH8, ~0-2 ft. bgs). Suspect solvent-type odors were detected in the soil samples collected from BH1 (~0-4 ft bgs), BH6 (~0-4 ft bgs), and BH7 (~0-2 ft bgs). No solvent-type staining was observed in the soil samples collected. In LCS' experience, the PID measurements and field observations suggest the presence of some VOC impact proximate the areas investigated.

Laboratory Test Results

Based on the laboratory results, no analytes were detected at concentrations exceeding commonly applied regulatory criteria in the soil samples collected and submitted for laboratory analysis. However, VOC analytes [trichloroethene (TCE), tetrachloroethene (PCE), and cis-1,2-dichloroethene (1,2-DCE) in TPMW1; and TCE, PCE, 1,2-DCE, and vinyl chloride in TPMW2] were detected at concentrations above the NYSDEC Groundwater Criteria in the groundwater samples collected and submitted for laboratory analysis. No analytes were detected above the appropriate regulatory criteria in TPMW3 through TPMW4.

Recommendations

Further investigation is recommended to delineate the vertical and horizontal extent of the chemical impact, including the area beneath the subject structure. In addition, a vapor intrusion study is recommended to better determine the potential for impacts to indoor air quality. Depending upon the results of the further investigation, remediation and/or installation of a sub-slab depressurization system may be warranted.

The property owner should consult environmental legal counsel relative to reporting obligations to the New York State Department of Environmental Conservation.

Thank you for allowing LCS to service your environmental needs. If you have any questions or require additional information, please do not hesitate to call our office.

Sincerely,

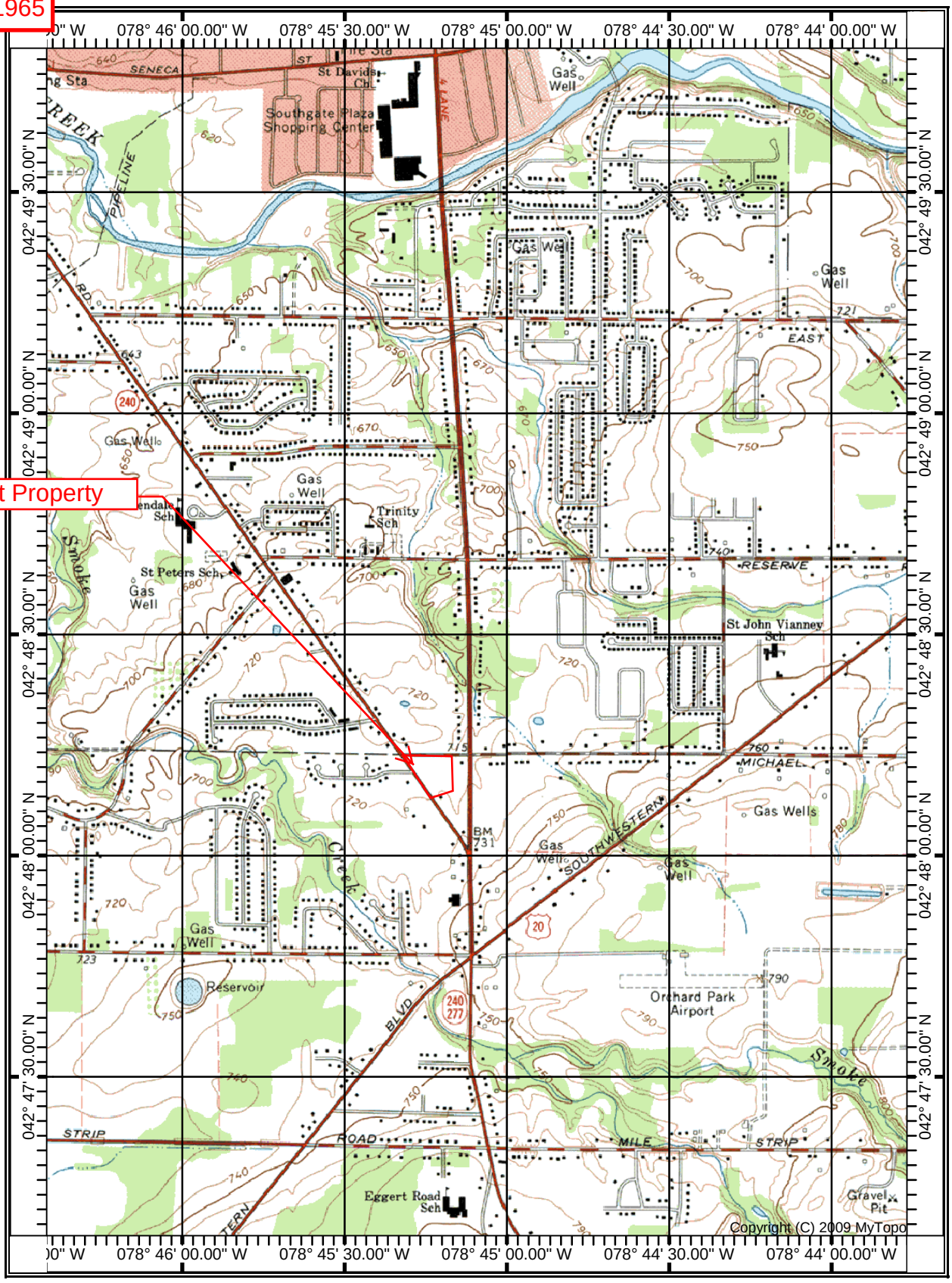
Jeffrey M. Rowley
Senior Project Manager

Reviewed by:

Douglas B. Reid
Sr. VP, Environmental Services
General Manager - WNY

SITE LOCATION MAP

Buffalo SE
Dated: 1965



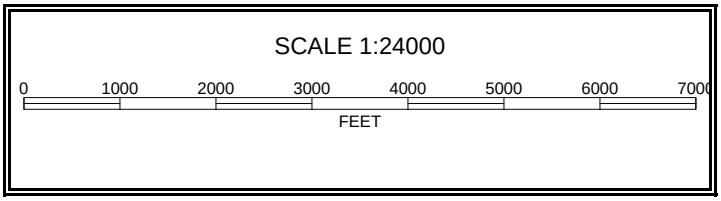


Figure 1: Site Location Map

SUBSURFACE INVESTIGATION MAP

LCS INC.

FIGURE 2 - SITE INVESTIGATION PLAN

3021-3041 ORCHARD PARK ROAD, ORCHARD PARK, NEW YORK

Drawn by: DEC

Checked by: JMR

0 20 40

Approximate Scale in Feet

LCS Project # 13B4431.22

SUBSURFACE LOGS

LCS Inc. SUBSURFACE LOG

PROJECT/ LOCATION: 3021-3041 Orchard Park Road, Orchard Park, NY PROJECT No. 13B4431.22

CLIENT: Northwest Savings Bank BORING/WELL No. BH1/ TPMW1

DATE STARTED: 5/7/2014 DATE COMPLETED: 5/7/2014 RECORDED BY: DEC

GROUNDWATER DEPTH WHILE DRILLING: ~5 ft. bgs. AFTER COMPLETION: ~2.8 ft bgs

WEATHER: Cloudy 57° DRILL RIG: Geoprobe DRILLER: Trec Environmental Inc.

DRILL SIZE/TYPE: Macro-core SAMPLE HAMMER: WEIGHT NA FALL NA

Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	Material Classification and Description (Unified Soil Classification System-Visual Manual Method)
1	51.7	0-4	U	-	-	5	0-0.5 ft: Asphalt
2	5.3	4-6	U	-	-	24	0.5-0.8 ft: Grey sandy gravel (coarse, loose, dense)
3	2.9	6-8	U	-	-	24	0.8-4 ft: Grey sandy clay (stiff, Low plasticity, moist)
4	3.1	8-10	U	-	-	10	4-12 ft: Brown gravelly clay (very stiff, low plasticity, moist to wet)
5	4.2	10-12	U	-	-	10	12 -16 ft: Brown clay with shale fragments (very stiff, low plasticity, wet)
6	1.2	12-16	U	-	-	8	

NOTES NA = Not Applicable

ft. bgs = feet below ground surface

Fill to ~0.8 ft. bgs

Suspect solvent odors detected at ~ 0-4 ft. bgs

*SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE

LCS Inc. SUBSURFACE LOG

PROJECT/ LOCATION: 3021-3041 Orchard Park Road, Orchard Park, NY PROJECT No. 13B4431.22

CLIENT: Northwest Savings Bank BORING/WELL No. BH2

DATE STARTED: 5/7/2014 DATE COMPLETED: 5/7/2014 RECORDED BY: DEC

GROUNDWATER DEPTH WHILE DRILLING: NA AFTER COMPLETION: NA

WEATHER: Cloudy 57° DRILL RIG: Geoprobe DRILLER: Trec Environmental Inc.

DRILL SIZE/TYPE: Macro-core SAMPLE HAMMER: WEIGHT NA FALL NA

Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	Material Classification and Description (Unified Soil Classification System-Visual Manual Method)
1	3.7	0-4	U	-	-	12	0-0.5 ft: Asphalt
2	0.6	4-6	U	-	-	24	0.5-1 ft: Brown sand (medium, fine, dense, moist)
3	0.4	6-8	U	-	-	24	1-1.25 ft: Shale fragments
4	0.5	8-8.4	U	-	-	10	1.25-8 ft: Brown silty clay (low plasticity, soft, moist)
							8-8.4 ft: Brown silty clay with shale fragments (low plasticity, soft, moist)
							Equipment refusal at 8.4 ft. bgs

NOTES NA = Not Applicable

ft. bgs = feet below ground surface

Fill to ~1 ft. bgs

No suspect odors detected

*SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE

LCS Inc. SUBSURFACE LOG

PROJECT/ LOCATION: 3021-3041 Orchard Park Road, Orchard Park, NY PROJECT No. 13B4431.22

CLIENT: Northwest Savings Bank BORING/WELL No. BH3/TPMW2

DATE STARTED: 5/7/2014 DATE COMPLETED: 5/7/2014 RECORDED BY: DEC

GROUNDWATER DEPTH WHILE DRILLING: ~5 ft. bgs. AFTER COMPLETION: ~5.02 ft bgs

WEATHER: Cloudy 57° DRILL RIG: Geoprobe DRILLER: Trec Environmental Inc.

DRILL SIZE/TYPE: Macro-core SAMPLE HAMMER: WEIGHT NA FALL NA

Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	Material Classification and Description (Unified Soil Classification System-Visual Manual Method)
1	0.7	0-4	U	-	-	5	0-0.5 ft: Asphalt
2	0.9	4-6	U	-	-	20	0.5-1 ft: Brown sand (medium, fine, dense, moist)
3	3.0	6-8	U	-	-	20	1-2 ft: Shale fragments
4	0.5	8-10	U	-	-	20	2-12 ft: Brown silty clay (low plasticity, soft, moist)
5	0.2	10-12	U	-	-	20	12-18.5 ft: Brown silty clay with shale fragments (low plasticity, soft, moist to wet)
6	0.2	12-14	U	-	-	16	
							Equipment refusal at 18.5
7	0.4	14-16	U	-	-	16	
8	0.0	16-18.5	U	-	-	10	

NOTES NA = Not Applicable

ft. bgs = feet below ground surface

Fill to ~0.5 ft. bgs

No suspect odors detected

*SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE

LCS Inc. SUBSURFACE LOG

PROJECT/ LOCATION: 3021-3041 Orchard Park Road, Orchard Park, NY PROJECT No. 13B4431.22

CLIENT: Northwest Savings Bank BORING/WELL No. BH4/TPMW3

DATE STARTED: 5/7/2014 DATE COMPLETED: 5/7/2014 RECORDED BY: DEC

GROUNDWATER DEPTH WHILE DRILLING: ~13 ft bgs AFTER COMPLETION: ~4.5 ft bgs

WEATHER: Cloudy 57° DRILL RIG: Geoprobe DRILLER: Trec Environmental Inc.

DRILL SIZE/TYPE: Macro-core SAMPLE HAMMER: WEIGHT NA FALL NA

Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	Material Classification and Description (Unified Soil Classification System-Visual Manual Method)
1	-	0-4	U	-	-	0	0-4 Asphalt (no soil recovered)
2	0.0	4-6	U	-	-	0	4-8 ft: Brown silty clay (low plasticity, soft, moist)
3	0.3	6-8	U	-	-	12	8-18.4 ft: Brown silty clay with shale fragments (low plasticity, soft, moist to wet)
4	0.0	8-10	U	-	-	12	
							Equipment Refusal at ~18.4 ft. bgs
5	0.1	10-12	U	-	-	12	
6	0.8	12-14	U	-	-	12	
7	0.3	14-16	U	-	-	10	
8	0.0	16-18.4	U	-	-	10	

NOTES NA = Not Applicable

ft. bgs = feet below ground surface

Fill to ~0.5 ft. bgs

No suspect odors detected

*SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE

LCS Inc. SUBSURFACE LOG

PROJECT/ LOCATION: 3021-3041 Orchard Park Road, Orchard Park, NY PROJECT No. 13B4431.22

CLIENT: Northwest Savings Bank BORING/WELL No. BH5

DATE STARTED: 5/7/2014 DATE COMPLETED: 5/7/2014 RECORDED BY: DEC

GROUNDWATER DEPTH WHILE DRILLING: ~6 ft. bgs. AFTER COMPLETION: NA

WEATHER: Cloudy 57° DRILL RIG: Geoprobe DRILLER: Trec Environmental Inc.

DRILL SIZE/TYPE: Macro-core SAMPLE HAMMER: WEIGHT NA FALL NA

Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	Material Classification and Description (Unified Soil Classification System-Visual Manual Method)
1	0.3	0-2	U	-	-	9	0-0.5 ft: Asphalt
2	0.4	2-4	U	-	-	8	0.5-1 ft: Brown sand (medium, fine, dense, moist)
3	0.4	4-6	U	-	-	12	1-1.25 ft: Shale fragments
4	0.7	6-8	U	-	-	12	1.25-6 ft: Brown silty clay (low plasticity, soft, moist)
5	0.0	8-10	U	-	-	12	6-16 ft: Brown Silty clay with shale fragments (low plasticity, soft, moist to wet)
6	0.0	10-12	U	-	-	12	
7	0.6	12-14	U	-	-	10	
8	1.8	14-16	U	-	-	10	

NOTES NA = Not Applicable

ft. bgs = feet below ground surface

Fill to ~ 0.5 ft. bgs

No suspect odors detected

*SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE

LCS Inc. SUBSURFACE LOG

PROJECT/ LOCATION: 3021-3041 Orchard Park Road, Orchard Park, NY PROJECT No. 13B4431.22

CLIENT: Northwest Savings Bank BORING/WELL No. BH6/TPMW4

DATE STARTED: 5/7/2014 DATE COMPLETED: 5/7/2014 RECORDED BY: DEC

GROUNDWATER DEPTH WHILE DRILLING: ~6 ft. bgs. AFTER COMPLETION: ~3.0 ft bgs

WEATHER: Cloudy 57° DRILL RIG: Geoprobe DRILLER: Trec Environmental Inc.

DRILL SIZE/TYPE: Macro-core SAMPLE HAMMER: WEIGHT NA FALL NA

Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	Material Classification and Description (Unified Soil Classification System-Visual Manual Method)
1	59	0-2	U	-	-	9	0-0.5 ft: Asphalt
2	40	2-4	U	-	-	9	0.5-1 ft: Brown sand (medium, fine, dense, moist)
3	3.0	4-6	U	-	-	12	1-1.25 ft: Shale fragments
4	1.4	6-8	U	-	-	12	1.25-6 ft: Brown silty clay (low plasticity, soft, moist)
5	0.4	8-10	U	-	-	11	6-18.5 ft: Brown Silty clay with shale fragments (low plasticity, soft, wet)
6	0.1	10-12	U	-	-	11	
7	1.0	12-16	U	-	-	9	

NOTES NA = Not Applicable

ft. bgs = feet below ground surface

Fill to ~0.5 ft. bgs

Suspect solvent type odors detected at ~0-4 ft bgs

*SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE

LCS Inc. SUBSURFACE LOG

PROJECT/ LOCATION: 3021-3041 Orchard Park Road, Orchard Park, NY PROJECT No. 13B4431.22

CLIENT: Northwest Savings Bank BORING/WELL No. BH7/TPMW5

DATE STARTED: 5/7/2014 DATE COMPLETED: 5/7/2014 RECORDED BY: DEC

GROUNDWATER DEPTH WHILE DRILLING: ~5 ft. bgs. AFTER COMPLETION: ~3.0 ft bgs

WEATHER: Cloudy 57° DRILL RIG: Geoprobe DRILLER: Trec Environmental Inc.

DRILL SIZE/TYPE: Macro-core SAMPLE HAMMER: WEIGHT NA FALL NA

Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	Material Classification and Description (Unified Soil Classification System-Visual Manual Method)
1	1.6	0-2	U	-	-	6	0-0.6 ft. Asphalt
2	11	2-4	U	-	-	6	0.6-4 ft. Grey clay with shale fragments (stiff, low plasticity, moist)
3	4.1	4-6	U	-	-	10	4-6 ft. Grey brown sandy clay (stiff, low plasticity, wet)
4	0.7	6-8	U	-	-	10	6-16 ft. Brown clayey silt (low plasticity, wet)
5	0.0	8-10	U	-	-	12	
6	1.2	10-12	U	-	-	12	
7	2.5	12-16	U	-	-	12	

NOTES NA = Not Applicable

ft. bgs = feet below ground surface

Fill to ~0.6 ft. bgs

Suspect solvent type odor detected at ~0-2 ft. bgs.

*SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE

LCS Inc. SUBSURFACE LOG

PROJECT/ LOCATION: 3021-3041 Orchard Park Road, Orchard Park, NY PROJECT No. 13B4431.22

CLIENT: Northwest Savings Bank BORING/WELL No. BH8/TPMW6

DATE STARTED: 5/7/2014 DATE COMPLETED: 5/7/2014 RECORDED BY: DEC

GROUNDWATER DEPTH WHILE DRILLING: ~5 ft. bgs. AFTER COMPLETION: ~3.0 ft bgs

WEATHER: Cloudy 57° DRILL RIG: Geoprobe DRILLER: Trec Environmental Inc.

DRILL SIZE/TYPE: Macro-core SAMPLE HAMMER: WEIGHT NA FALL NA

Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	Material Classification and Description (Unified Soil Classification System-Visual Manual Method)
1	70	0-2	U	-	-	12	0-0.6 ft. Asphalt
2	60	2-4	U	-	-	12	0.6-4 ft. Grey clay with shale fragments (stiff, low plasticity, moist)
3	6.0	4-6	U	-	-	12	4-6 ft. Grey brown sandy clay (stiff, low plasticity, wet)
4	3.8	6-8	U	-	-	12	6-16 ft. Brown clayey silt (low plasticity, wet)
5	4.2	8-10	U	-	-	10	
6	4.0	10-12	U	-	-	10	
7	2.0	12-16	U	-	-	8	

NOTES NA = Not Applicable

ft. bgs = feet below ground surface

Fill to ~0.6 ft. bgs

No suspect odors detected

*SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE

LCS Inc. SUBSURFACE LOG

PROJECT/ LOCATION: 3021-3041 Orchard Park Road, Orchard Park, NY PROJECT No. 13B4431.22

CLIENT: Northwest Savings Bank BORING/WELL No. BH9

DATE STARTED: 5/7/2014 DATE COMPLETED: 5/7/2014 RECORDED BY: DEC

GROUNDWATER DEPTH WHILE DRILLING: NA AFTER COMPLETION: NA

WEATHER: Cloudy 57° DRILL RIG: Geoprobe DRILLER: Trec Environmental Inc.

DRILL SIZE/TYPE: Macro-core SAMPLE HAMMER: WEIGHT NA FALL NA

Sample No.	PID/HNu Reading (ppm)	Depth (Feet)	Type *	Blows/6"	N	Recovery (Inches)	Material Classification and Description (Unified Soil Classification System-Visual Manual Method)
1	2.0	0-2	U	-	-	24	0-4 ft. Brown gravelly silty clay (still, low plasticity, dry)
2	5.8	2-4	U	-	-	24	4-6 ft. Brown silty clay (very stiff, low plasticity, moist
3	2.3	4-6	U	-	-	24	6-14 ft. Grey silty clay (stiff, moderate plasticity, moist)
4	0.7	6-8	U	-	-	24	14-16 ft. Grey gravelly silty clay (stiff, moderate plasticity, moist)
5	0.0	8-10	U	-	-	10	
6	0.9	10-12	U	-	-	12	
7	1.4	12-14	U	-	-	12	
8	1.0	14-16	U	-	-	12	

NOTES NA = Not Applicable

ft. bgs = feet below ground surface

Fill to ~0 ft. bgs

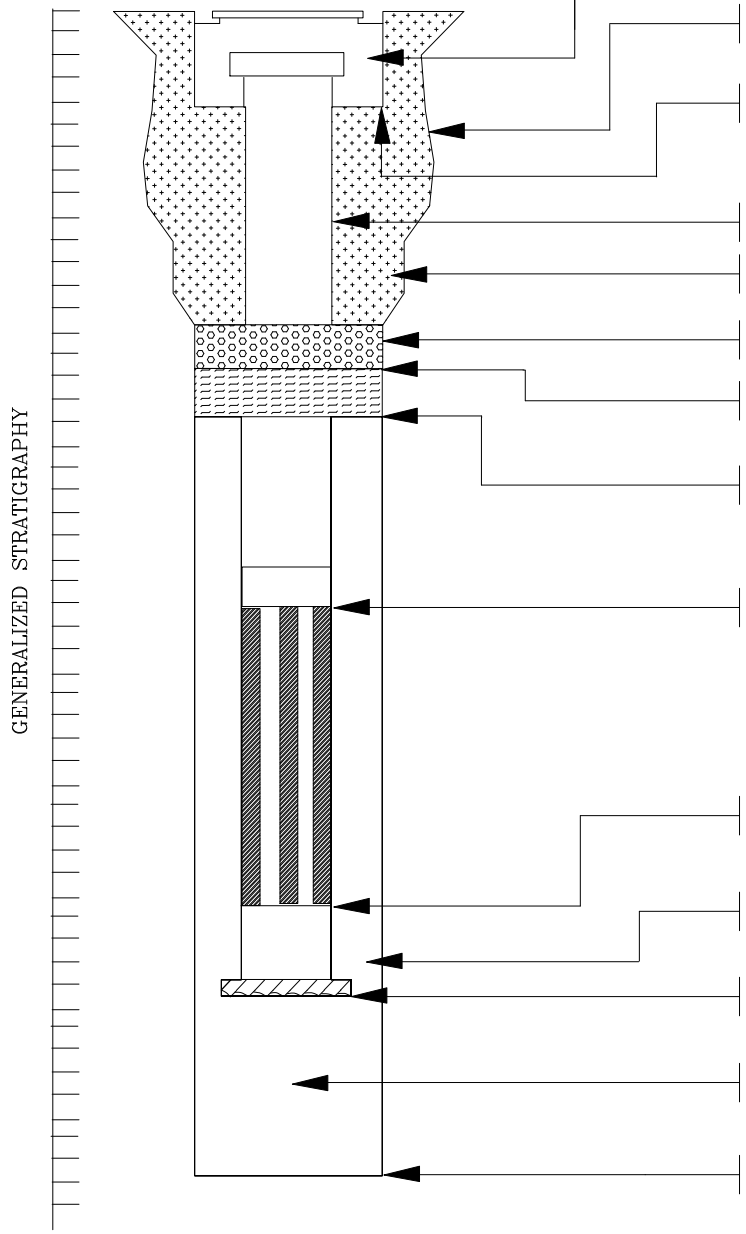
No suspect odors detected

*SS - SPLIT-SPOON SAMPLE U - UNDISTURBED TUBE P - PISTON TUBE C - CORE

WELL CONSTRUCTION DETAILS

LCS, Inc. WELL CONSTRUCTION DETAIL

PROJECT/LOCATION:	3021-3041 Orchard Park Rd, Orchard Park, NY	PROJECT No.	14B4431.22
CLIENT:	Northwest Savings Bank	WELL No.	TPMW1
DATE COMPLETED:	5/7/14	SUPERVISED BY:	DEC



REFERENCE POINT
Elevation/Depth: NA

SURFACE SEAL
Type/Depth: NA

DEPTH OF SURFACE CASING: NA

RISER PIPE Size/Type: 1.0 inch/Schedule 40 PVC

DIAMETER OF BOREHOLE: 2.2 inches

TYPE OF FILL: NA

TOP OF SEAL Elevation/Depth: 0.0 ft. bgs
TYPE OF SEAL: Hydrated bentonite

TOP OF FILTER PACK Elevation/Depth: 0.5 ft. bgs
FILTER PACK MATERIAL: #00N silica sand

TOP OF SCREEN Elevation/Depth: 4.9 ft. bgs
SCREEN SIZE/TYPE: 0.010 inch/Schedule 40 PVC

BOTTOM OF SCREEN Elevation/Depth: 14.9 ft. bgs

BOTTOM OF FILTER PACK
Elevation/Depth: 16.0 ft. bgs

BOTTOM OF PLUGGED BLANK SECTION
Elevation/Depth: 15.0 ft. bgs

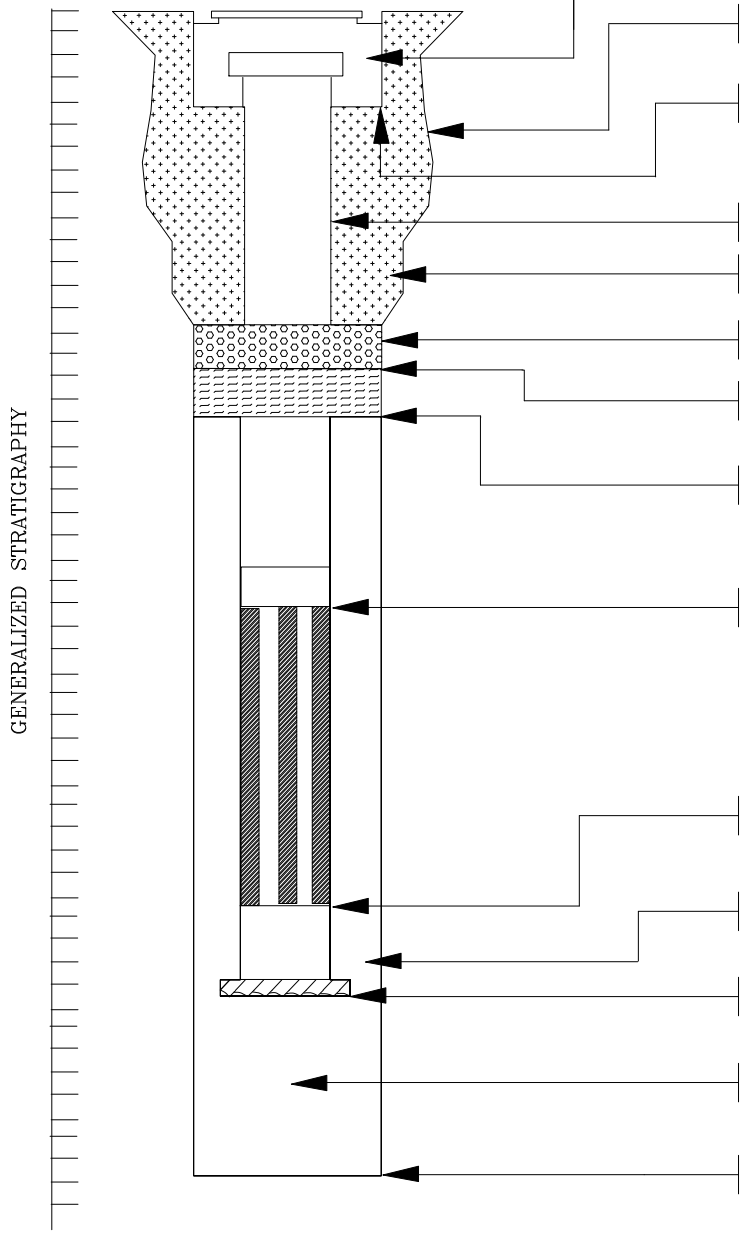
TYPE OF FILLER
BELOW PLUGGED BLANK: #00N silica sand

BOTTOM OF BOREHOLE
Elevation/Depth: 16.0 ft. bgs

NOTES

LCS, Inc. WELL CONSTRUCTION DETAIL

PROJECT/LOCATION:	3021-3041 Orchard Park Rd, Orchard Park, NY	PROJECT No.	14B4431.22
CLIENT:	Northwest Savings Bank	WELL No.	TPMW1
DATE COMPLETED:	5/7/14	SUPERVISED BY:	DEC



REFERENCE POINT
Elevation/Depth: NA

SURFACE SEAL
Type/Depth: NA

DEPTH OF SURFACE CASING: NA

RISER PIPE Size/Type: 1.0 inch/Schedule 40 PVC

DIAMETER OF BOREHOLE: 2.2 inches

TYPE OF FILL: NA

TOP OF SEAL Elevation/Depth: 0.0 ft. bgs
TYPE OF SEAL: Hydrated bentonite

TOP OF FILTER PACK Elevation/Depth: 0.5 ft. bgs
FILTER PACK MATERIAL: #00N silica sand

TOP OF SCREEN Elevation/Depth: 5.9 ft. bgs
SCREEN SIZE/TYPE: 0.010 inch/Schedule 40 PVC

BOTTOM OF SCREEN Elevation/Depth: 15.9 ft. bgs

BOTTOM OF FILTER PACK
Elevation/Depth: 18.2 ft. bgs

BOTTOM OF PLUGGED BLANK SECTION
Elevation/Depth: 16.0 ft. bgs

TYPE OF FILLER
BELOW PLUGGED BLANK: #00N silica sand

BOTTOM OF BOREHOLE
Elevation/Depth: 18.2 ft. bgs

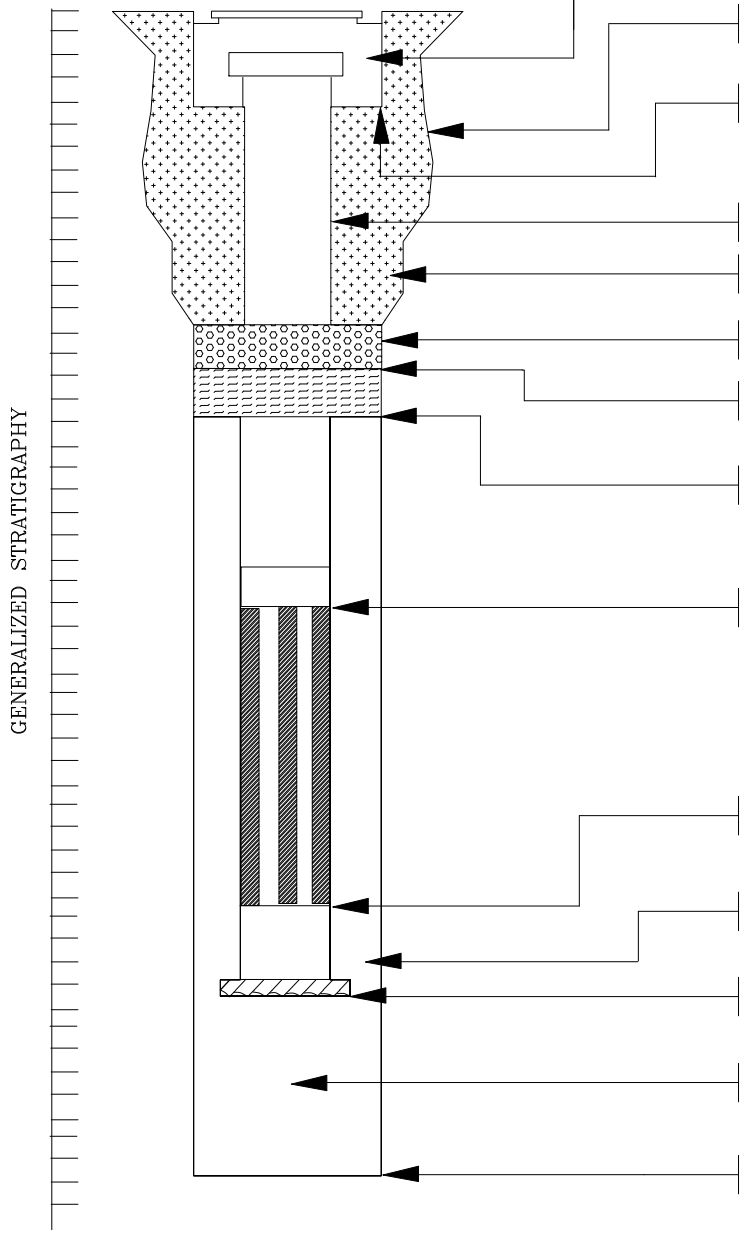
NOTES

LCS, Inc. WELL CONSTRUCTION DETAIL

PROJECT/LOCATION: 3021-3041 Orchard Park Rd, Orchard Park, NY PROJECT No. 14B4431.22

CLIENT: Northwest Savings Bank WELL No. TPMW2

DATE COMPLETED: 5/7/14 SUPERVISED BY: DEC



REFERENCE POINT
Elevation/Depth: NA

SURFACE SEAL
Type/Depth: NA

DEPTH OF SURFACE CASING: NA

RISER PIPE Size/Type: 1.0 inch/Schedule 40 PVC

DIAMETER OF BOREHOLE: 2.2 inches

TYPE OF FILL: NA

TOP OF SEAL Elevation/Depth: 0.0 ft. bgs
TYPE OF SEAL: Hydrated bentonite

TOP OF FILTER PACK Elevation/Depth: 0.5 ft. bgs
FILTER PACK MATERIAL: #00N silica sand

TOP OF SCREEN Elevation/Depth: 4.9 ft. bgs
SCREEN SIZE/TYPE: 0.010 inch/Schedule 40 PVC

BOTTOM OF SCREEN Elevation/Depth: 14.9 ft. bgs

BOTTOM OF FILTER PACK
Elevation/Depth: 16.0 ft. bgs

BOTTOM OF PLUGGED BLANK SECTION
Elevation/Depth: 15.0 ft. bgs

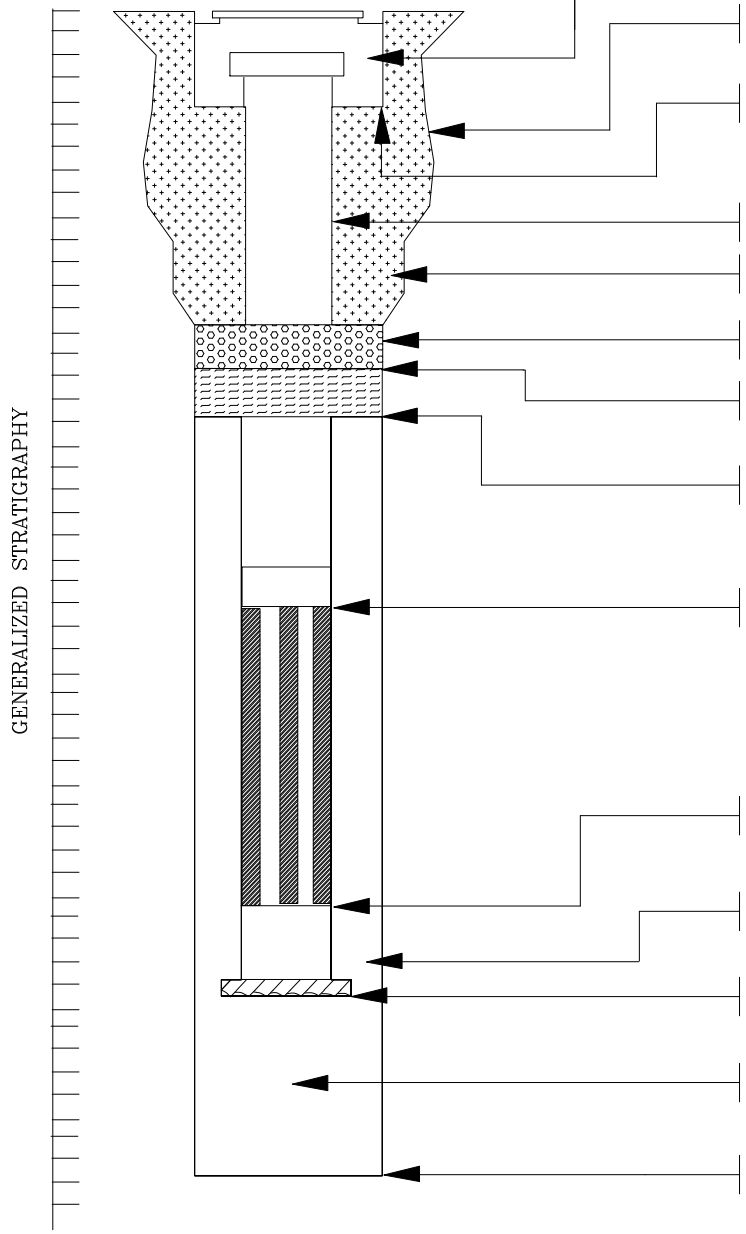
TYPE OF FILLER
BELOW PLUGGED BLANK: #00N silica sand

BOTTOM OF BOREHOLE
Elevation/Depth: 16.0 ft. bgs

NOTES

LCS, Inc. WELL CONSTRUCTION DETAIL

PROJECT/LOCATION:	3021-3041 Orchard Park Rd, Orchard Park, NY	PROJECT No.	14B4431.22
CLIENT:	Northwest Savings Bank	WELL No.	TPMW3
DATE COMPLETED:	5/7/14	SUPERVISED BY:	DEC



REFERENCE POINT
Elevation/Depth: NA

SURFACE SEAL
Type/Depth: NA

DEPTH OF SURFACE CASING: NA

RISER PIPE Size/Type: 1.0 inch/Schedule 40 PVC

DIAMETER OF BOREHOLE: 2.2 inches

TYPE OF FILL: NA

TOP OF SEAL Elevation/Depth: 0.0 ft. bgs
TYPE OF SEAL: Hydrated bentonite

TOP OF FILTER PACK Elevation/Depth: 0.5 ft. bgs
FILTER PACK MATERIAL: #00N silica sand

TOP OF SCREEN Elevation/Depth: 7.9 ft. bgs
SCREEN SIZE/TYPE: 0.010 inch/Schedule 40 PVC

BOTTOM OF SCREEN Elevation/Depth: 17.9 ft. bgs

BOTTOM OF FILTER PACK
Elevation/Depth: 18.4 ft. bgs

BOTTOM OF PLUGGED BLANK SECTION
Elevation/Depth: 18.0 ft. bgs

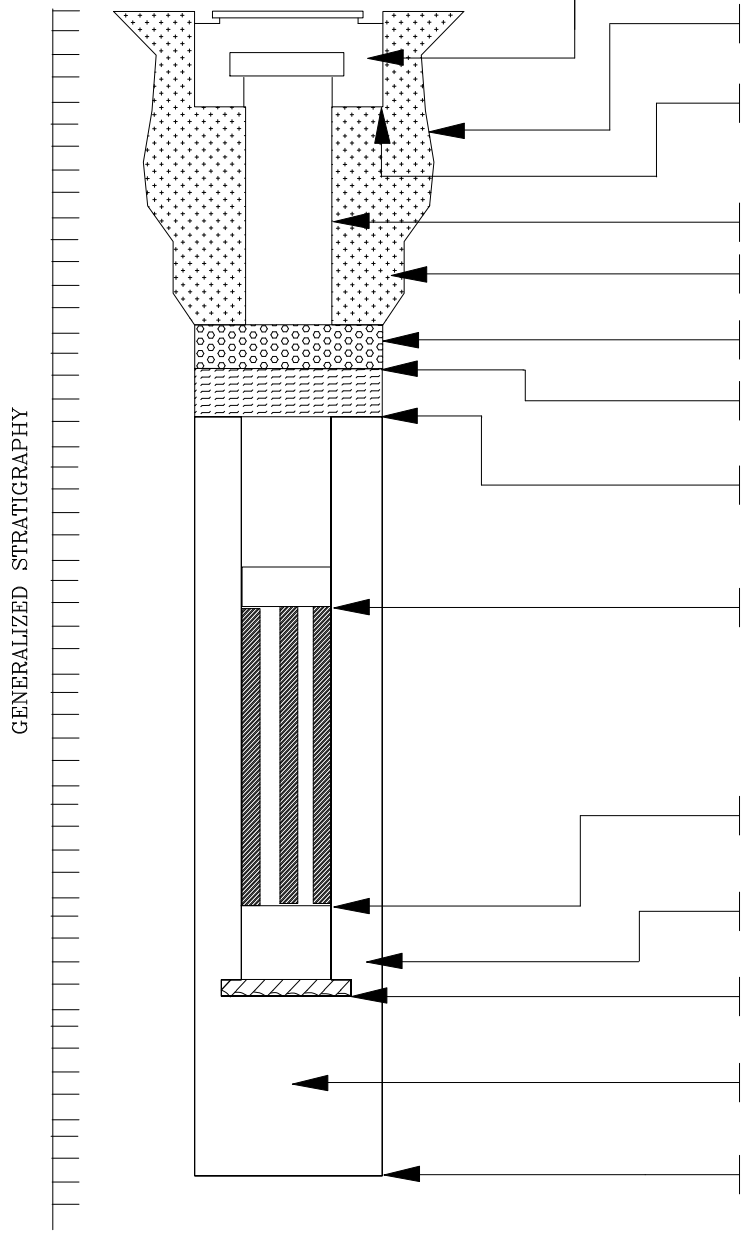
TYPE OF FILLER
BELOW PLUGGED BLANK: #00N silica sand

BOTTOM OF BOREHOLE
Elevation/Depth: 18.4 ft. bgs

NOTES

LCS, Inc. WELL CONSTRUCTION DETAIL

PROJECT/LOCATION:	3021-3041 Orchard Park Rd, Orchard Park, NY	PROJECT No.	14B4431.22
CLIENT:	Northwest Savings Bank	WELL No.	TPMW4
DATE COMPLETED:	5/7/14	SUPERVISED BY:	DEC



REFERENCE POINT
Elevation/Depth: NA

SURFACE SEAL
Type/Depth: NA

DEPTH OF SURFACE CASING: NA

RISER PIPE Size/Type: 1.0 inch/Schedule 40 PVC

DIAMETER OF BOREHOLE: 2.2 inches

TYPE OF FILL: NA

TOP OF SEAL Elevation/Depth: 0.0 ft. bgs
TYPE OF SEAL: Hydrated bentonite

TOP OF FILTER PACK Elevation/Depth: 0.5 ft. bgs
FILTER PACK MATERIAL: #00N silica sand

TOP OF SCREEN Elevation/Depth: 4.9 ft. bgs
SCREEN SIZE/TYPE: 0.010 inch/Schedule 40 PVC

BOTTOM OF SCREEN Elevation/Depth: 14.9 ft. bgs

BOTTOM OF FILTER PACK
Elevation/Depth: 18.5 ft. bgs

BOTTOM OF PLUGGED BLANK SECTION
Elevation/Depth: 15.0 ft. bgs

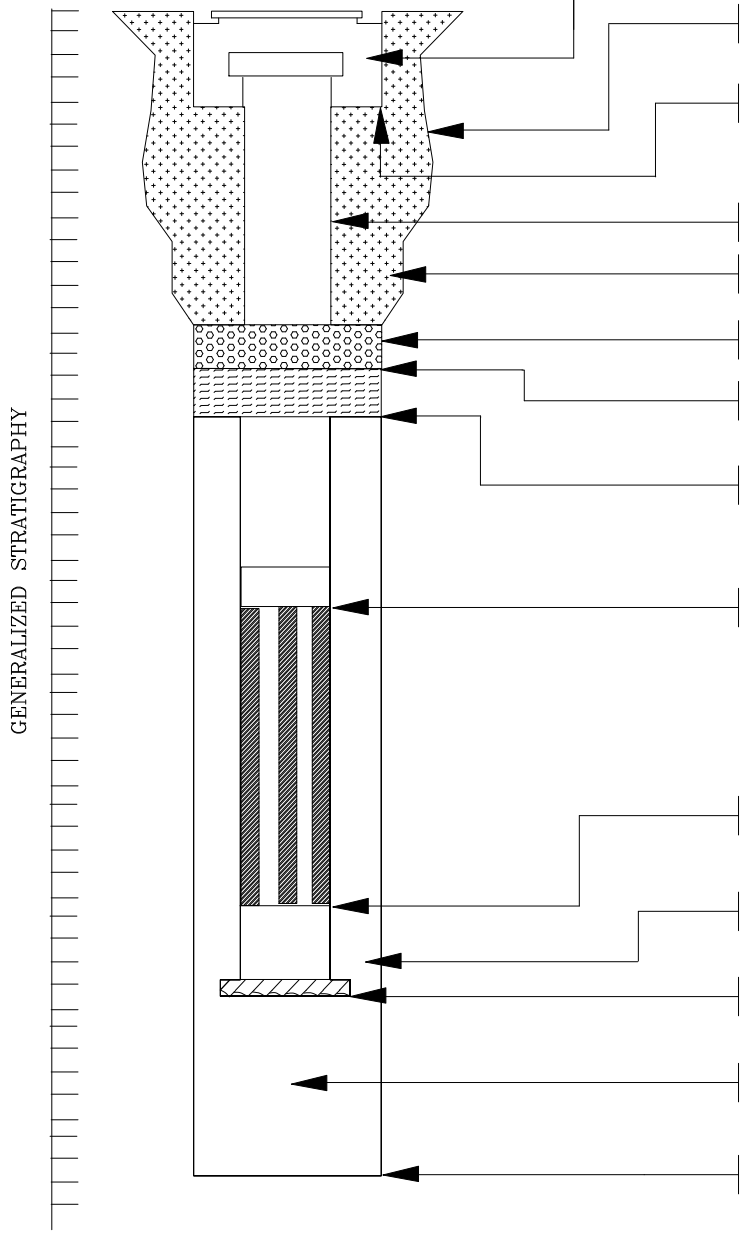
TYPE OF FILLER
BELOW PLUGGED BLANK: #00N silica sand

BOTTOM OF BOREHOLE
Elevation/Depth: 18.5 ft. bgs

NOTES

LCS, Inc. WELL CONSTRUCTION DETAIL

PROJECT/LOCATION:	3021-3041 Orchard Park Rd, Orchard Park, NY	PROJECT No.	14B4431.22
CLIENT:	Northwest Savings Bank	WELL No.	TPMW5
DATE COMPLETED:	5/7/14	SUPERVISED BY:	DEC



REFERENCE POINT
Elevation/Depth: NA

SURFACE SEAL
Type/Depth: NA

DEPTH OF SURFACE CASING: NA

RISER PIPE Size/Type: 1.0 inch/Schedule 40 PVC

DIAMETER OF BOREHOLE: 2.2 inches

TYPE OF FILL: NA

TOP OF SEAL Elevation/Depth: 0.0 ft. bgs
TYPE OF SEAL: Hydrated bentonite

TOP OF FILTER PACK Elevation/Depth: 0.5 ft. bgs
FILTER PACK MATERIAL: #00N silica sand

TOP OF SCREEN Elevation/Depth: 4.9 ft. bgs
SCREEN SIZE/TYPE: 0.010 inch/Schedule 40 PVC

BOTTOM OF SCREEN Elevation/Depth: 14.9 ft. bgs

BOTTOM OF FILTER PACK
Elevation/Depth: 16.0 ft. bgs

BOTTOM OF PLUGGED BLANK SECTION
Elevation/Depth: 15.0 ft. bgs

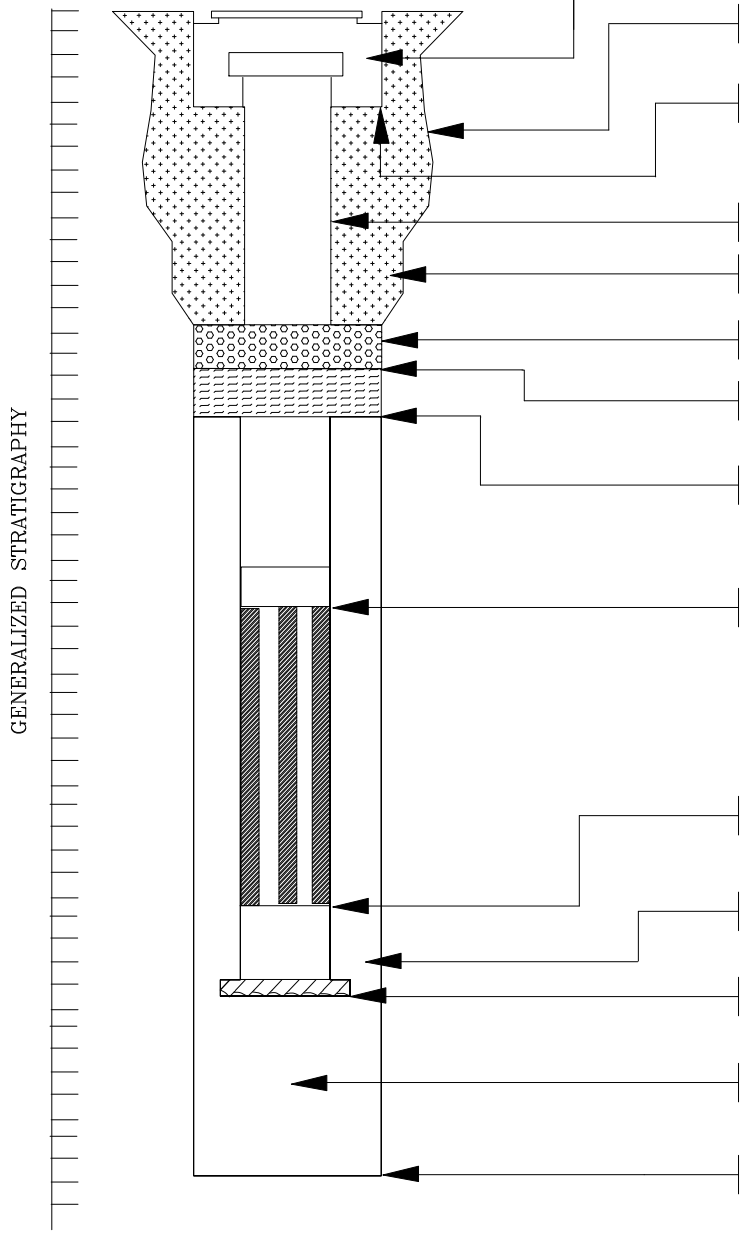
TYPE OF FILLER
BELOW PLUGGED BLANK: #00N silica sand

BOTTOM OF BOREHOLE
Elevation/Depth: 16.0 ft. bgs

NOTES

LCS, Inc. WELL CONSTRUCTION DETAIL

PROJECT/LOCATION:	3021-3041 Orchard Park Rd, Orchard Park, NY	PROJECT No.	14B4431.22
CLIENT:	Northwest Savings Bank	WELL No.	TPMW6
DATE COMPLETED:	5/7/14	SUPERVISED BY:	DEC



REFERENCE POINT
Elevation/Depth: NA

SURFACE SEAL
Type/Depth: NA

DEPTH OF SURFACE CASING: NA

RISER PIPE Size/Type: 1.0 inch/Schedule 40 PVC

DIAMETER OF BOREHOLE: 2.2 inches

TYPE OF FILL: NA

TOP OF SEAL Elevation/Depth: 0.0 ft. bgs
TYPE OF SEAL: Hydrated bentonite

TOP OF FILTER PACK Elevation/Depth: 0.5 ft. bgs
FILTER PACK MATERIAL: #00N silica sand

TOP OF SCREEN Elevation/Depth: 4.9 ft. bgs
SCREEN SIZE/TYPE: 0.010 inch/Schedule 40 PVC

BOTTOM OF SCREEN Elevation/Depth: 14.9 ft. bgs

BOTTOM OF FILTER PACK
Elevation/Depth: 16.0 ft. bgs

BOTTOM OF PLUGGED BLANK SECTION
Elevation/Depth: 15.0 ft. bgs

TYPE OF FILLER
BELOW PLUGGED BLANK: #00N silica sand

BOTTOM OF BOREHOLE
Elevation/Depth: 16.0 ft. bgs

NOTES

ANALYTICAL RESULTS

New England ACCUTEST LABORATORIES

05/13/14

Technical Report for

Lender Consulting Services, Inc.

Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY

13B4431.22

Accutest Job Number: MC30395

Sampling Date: 05/07/14

Report to:

Lender Consulting Services, Inc.

mpopek@lenderconsulting.com

ATTN: Maggie Popek

Total number of pages in report: **26**

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

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

Test results relate only to samples analyzed.

Sections: 1 2 3 4

Table of Contents

Sample Summary

Lender Consulting Services, Inc.

Job No: MC30395

Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY
Project No: 13B4431.22

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC30395-1	05/07/14	09:30	JMR	05/08/14	SO	Soil	BH01 0.8-4
MC30395-2	05/07/14	12:00	JMR	05/08/14	SO	Soil	BH03 6-8
MC30395-3	05/07/14	13:00	JMR	05/08/14	SO	Soil	BH04 12-14
MC30395-4	05/07/14	14:00	JMR	05/08/14	SO	Soil	BH06 2-4
MC30395-5	05/07/14	14:30	JMR	05/08/14	SO	Soil	BH07 0.5-2
MC30395-6	05/07/14	15:00	JMR	05/08/14	SO	Soil	BH08 0.5-2
MC30395-7	05/07/14	10:55	JMR	05/08/14	AQ	Ground Water	TPMW01
MC30395-8	05/07/14	12:40	JMR	05/08/14	AQ	Ground Water	TPMW02

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

Summary of Hits

Job Number: MC30395
Account: Lender Consulting Services, Inc.
Project: Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY
Collected: 05/07/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC30395-1	**BH01 0.8-4**					
cis-1,2-Dichloroethene		215	210	47	ug/kg	SW846 8260C
Tetrachloroethene		589	210	32	ug/kg	SW846 8260C
MC30395-2	**BH03 6-8**					
cis-1,2-Dichloroethene		183	170	39	ug/kg	SW846 8260C
Tetrachloroethene		450	170	27	ug/kg	SW846 8260C
Trichloroethene		169 J	170	21	ug/kg	SW846 8260C
MC30395-3	**BH04 12-14**					
Benzene		1.8	0.48	0.33	ug/kg	SW846 8260C
Toluene		4.5 J	4.8	0.20	ug/kg	SW846 8260C
Xylene (total)		4.5	1.9	0.21	ug/kg	SW846 8260C
MC30395-4	**BH06 2-4**					
Acetone		53.5	9.7	2.7	ug/kg	SW846 8260C
Carbon disulfide		0.59 J	4.9	0.13	ug/kg	SW846 8260C
MC30395-5	**BH07 0.5-2**					
No hits reported in this sample.						
MC30395-6	**BH08 0.5-2**					
Benzene		1.0	0.35	0.24	ug/kg	SW846 8260C
Carbon disulfide		0.98 J	3.5	0.092	ug/kg	SW846 8260C
Toluene		2.4 J	3.5	0.14	ug/kg	SW846 8260C
Xylene (total)		3.0	1.4	0.15	ug/kg	SW846 8260C
MC30395-7	**TPMW01**					
Chloroform		1.7	1.0	0.41	ug/l	SW846 8260C
cis-1,2-Dichloroethene		67.3	1.0	0.84	ug/l	SW846 8260C
trans-1,2-Dichloroethene		0.77 J	1.0	0.51	ug/l	SW846 8260C
Tetrachloroethene		71.6	1.0	0.59	ug/l	SW846 8260C
Trichloroethene		26.9	1.0	0.47	ug/l	SW846 8260C
Xylene (total)		0.54 J	1.0	0.36	ug/l	SW846 8260C
MC30395-8	**TPMW02**					
1,1-Dichloroethene [a]		0.66 J	1.0	0.61	ug/l	SW846 8260C

Summary of Hits

Job Number: MC30395
Account: Lender Consulting Services, Inc.
Project: Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY
Collected: 05/07/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
cis-1,2-Dichloroethene [a]		165	1.0	0.84	ug/l	SW846 8260C
trans-1,2-Dichloroethene [a]		4.3	1.0	0.51	ug/l	SW846 8260C
Tetrachloroethene [a]		15.0	1.0	0.59	ug/l	SW846 8260C
Trichloroethene [a]		22.4	1.0	0.47	ug/l	SW846 8260C
Vinyl chloride [a]		2.4	1.0	0.58	ug/l	SW846 8260C

(a) The pH of the sample aliquot for VOA analysis was > 2 at time of analysis.

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BH01 0.8-4		
Lab Sample ID:	MC30395-1	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/08/14
Method:	SW846 8260C	**Percent Solids:**	73.8
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G137448.D	1	05/09/14	GK	n/a	n/a	MSG5257
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	7.95 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1000	290	ug/kg	
71-43-2	Benzene	ND	51	35	ug/kg	
75-27-4	Bromodichloromethane	ND	210	22	ug/kg	
75-25-2	Bromoform	ND	210	37	ug/kg	
74-83-9	Bromomethane	ND	210	62	ug/kg	
78-93-3	2-Butanone (MEK)	ND	1000	320	ug/kg	
75-15-0	Carbon disulfide	ND	510	13	ug/kg	
56-23-5	Carbon tetrachloride	ND	210	23	ug/kg	
108-90-7	Chlorobenzene	ND	210	16	ug/kg	
75-00-3	Chloroethane	ND	510	78	ug/kg	
67-66-3	Chloroform	ND	210	17	ug/kg	
74-87-3	Chloromethane	ND	510	58	ug/kg	
124-48-1	Dibromochloromethane	ND	210	33	ug/kg	
75-34-3	1,1-Dichloroethane	ND	210	27	ug/kg	
107-06-2	1,2-Dichloroethane	ND	210	33	ug/kg	
75-35-4	1,1-Dichloroethene	ND	210	43	ug/kg	
156-59-2	cis-1,2-Dichloroethene	215	210	47	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	210	43	ug/kg	
78-87-5	1,2-Dichloropropane	ND	210	43	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	210	23	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	210	27	ug/kg	
100-41-4	Ethylbenzene	ND	210	71	ug/kg	
591-78-6	2-Hexanone	ND	1000	78	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	510	56	ug/kg	
75-09-2	Methylene chloride	ND	210	55	ug/kg	
100-42-5	Styrene	ND	510	18	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	210	40	ug/kg	
127-18-4	Tetrachloroethene	589	210	32	ug/kg	
108-88-3	Toluene	ND	510	21	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	210	22	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	210	59	ug/kg	
79-01-6	Trichloroethene	ND	210	25	ug/kg	

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

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

Report of Analysis

Client Sample ID:	BH01 0.8-4		
Lab Sample ID:	MC30395-1	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/08/14
Method:	SW846 8260C	**Percent Solids:**	73.8
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	210	94	ug/kg	
1330-20-7	Xylene (total)	ND	210	23	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	116%		70-130%
2037-26-5	Toluene-D8	121%		70-130%
460-00-4	4-Bromofluorobenzene	114%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH03 6-8		
Lab Sample ID:	MC30395-2	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/08/14
Method:	SW846 8260C	**Percent Solids:**	81.7
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G137439.D	1	05/09/14	GK	n/a	n/a	MSG5257
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	8.25 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	850	240	ug/kg	
71-43-2	Benzene	ND	43	29	ug/kg	
75-27-4	Bromodichloromethane	ND	170	18	ug/kg	
75-25-2	Bromoform	ND	170	30	ug/kg	
74-83-9	Bromomethane	ND	170	51	ug/kg	
78-93-3	2-Butanone (MEK)	ND	850	260	ug/kg	
75-15-0	Carbon disulfide	ND	430	11	ug/kg	
56-23-5	Carbon tetrachloride	ND	170	19	ug/kg	
108-90-7	Chlorobenzene	ND	170	13	ug/kg	
75-00-3	Chloroethane	ND	430	65	ug/kg	
67-66-3	Chloroform	ND	170	14	ug/kg	
74-87-3	Chloromethane	ND	430	48	ug/kg	
124-48-1	Dibromochloromethane	ND	170	28	ug/kg	
75-34-3	1,1-Dichloroethane	ND	170	23	ug/kg	
107-06-2	1,2-Dichloroethane	ND	170	27	ug/kg	
75-35-4	1,1-Dichloroethene	ND	170	35	ug/kg	
156-59-2	cis-1,2-Dichloroethene	183	170	39	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	170	36	ug/kg	
78-87-5	1,2-Dichloropropane	ND	170	36	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	170	19	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	170	22	ug/kg	
100-41-4	Ethylbenzene	ND	170	59	ug/kg	
591-78-6	2-Hexanone	ND	850	65	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	430	46	ug/kg	
75-09-2	Methylene chloride	ND	170	45	ug/kg	
100-42-5	Styrene	ND	430	15	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	170	34	ug/kg	
127-18-4	Tetrachloroethene	450	170	27	ug/kg	
108-88-3	Toluene	ND	430	18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	170	19	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	170	49	ug/kg	
79-01-6	Trichloroethene	169	170	21	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH03 6-8		
Lab Sample ID:	MC30395-2	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/08/14
Method:	SW846 8260C	**Percent Solids:**	81.7
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	170	78	ug/kg	
1330-20-7	Xylene (total)	ND	170	19	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	115%		70-130%
2037-26-5	Toluene-D8	119%		70-130%
460-00-4	4-Bromofluorobenzene	109%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH04 12-14		
Lab Sample ID:	MC30395-3	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/08/14
Method:	SW846 8260C	**Percent Solids:**	90.8
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M65203.D	1	05/09/14	KD	n/a	n/a	MSM2295
Run #2							

	Initial Weight	Final Volume
Run #1	5.69 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	9.7	2.7	ug/kg	
71-43-2	Benzene	1.8	0.48	0.33	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.20	ug/kg	
75-25-2	Bromoform	ND	1.9	0.34	ug/kg	
74-83-9	Bromomethane	ND	1.9	0.58	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.7	3.0	ug/kg	
75-15-0	Carbon disulfide	ND	4.8	0.13	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.9	0.21	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.15	ug/kg	
75-00-3	Chloroethane	ND	4.8	0.73	ug/kg	
67-66-3	Chloroform	ND	1.9	0.16	ug/kg	
74-87-3	Chloromethane	ND	4.8	0.55	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.31	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.9	0.26	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.9	0.31	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.9	0.40	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.9	0.44	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.9	0.40	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.41	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.22	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.25	ug/kg	
100-41-4	Ethylbenzene	ND	1.9	0.67	ug/kg	
591-78-6	2-Hexanone	ND	9.7	0.73	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.8	0.52	ug/kg	
75-09-2	Methylene chloride	ND	1.9	0.51	ug/kg	
100-42-5	Styrene	ND	4.8	0.16	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.38	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.30	ug/kg	
108-88-3	Toluene	4.5	4.8	0.20	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.21	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.55	ug/kg	
79-01-6	Trichloroethene	ND	1.9	0.24	ug/kg	

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

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

Report of Analysis

Client Sample ID:	BH04 12-14		
Lab Sample ID:	MC30395-3	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/08/14
Method:	SW846 8260C	**Percent Solids:**	90.8
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.9	0.88	ug/kg	
1330-20-7	Xylene (total)	4.5	1.9	0.21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		70-130%
2037-26-5	Toluene-D8	90%		70-130%
460-00-4	4-Bromofluorobenzene	88%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH06 2-4		
Lab Sample ID:	MC30395-4	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/08/14
Method:	SW846 8260C	**Percent Solids:**	85.4
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M65204.D	1	05/09/14	KD	n/a	n/a	MSM2295
Run #2							

	Initial Weight	Final Volume
Run #1	6.02 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	53.5	9.7	2.7	ug/kg	
71-43-2	Benzene	ND	0.49	0.33	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.20	ug/kg	
75-25-2	Bromoform	ND	1.9	0.35	ug/kg	
74-83-9	Bromomethane	ND	1.9	0.59	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.7	3.0	ug/kg	
75-15-0	Carbon disulfide	0.59	4.9	0.13	ug/kg	J
56-23-5	Carbon tetrachloride	ND	1.9	0.21	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.15	ug/kg	
75-00-3	Chloroethane	ND	4.9	0.74	ug/kg	
67-66-3	Chloroform	ND	1.9	0.16	ug/kg	
74-87-3	Chloromethane	ND	4.9	0.55	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.31	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.9	0.26	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.9	0.31	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.9	0.40	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.9	0.44	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.9	0.41	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.9	0.41	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.22	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.26	ug/kg	
100-41-4	Ethylbenzene	ND	1.9	0.67	ug/kg	
591-78-6	2-Hexanone	ND	9.7	0.74	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.9	0.52	ug/kg	
75-09-2	Methylene chloride	ND	1.9	0.52	ug/kg	
100-42-5	Styrene	ND	4.9	0.17	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.38	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.30	ug/kg	
108-88-3	Toluene	ND	4.9	0.20	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.21	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.56	ug/kg	
79-01-6	Trichloroethene	ND	1.9	0.24	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH06 2-4		
Lab Sample ID:	MC30395-4	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/08/14
Method:	SW846 8260C	**Percent Solids:**	85.4
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.9	0.89	ug/kg	
1330-20-7	Xylene (total)	ND	1.9	0.21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	93%		70-130%
460-00-4	4-Bromofluorobenzene	79%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH07 0.5-2		
Lab Sample ID:	MC30395-5	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/08/14
Method:	SW846 8260C	**Percent Solids:**	93.3
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	G137440.D	1	05/09/14	GK	n/a	n/a	MSG5257
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.11 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1100	300	ug/kg	
71-43-2	Benzene	ND	54	37	ug/kg	
75-27-4	Bromodichloromethane	ND	220	23	ug/kg	
75-25-2	Bromoform	ND	220	38	ug/kg	
74-83-9	Bromomethane	ND	220	65	ug/kg	
78-93-3	2-Butanone (MEK)	ND	1100	330	ug/kg	
75-15-0	Carbon disulfide	ND	540	14	ug/kg	
56-23-5	Carbon tetrachloride	ND	220	24	ug/kg	
108-90-7	Chlorobenzene	ND	220	17	ug/kg	
75-00-3	Chloroethane	ND	540	82	ug/kg	
67-66-3	Chloroform	ND	220	18	ug/kg	
74-87-3	Chloromethane	ND	540	61	ug/kg	
124-48-1	Dibromochloromethane	ND	220	35	ug/kg	
75-34-3	1,1-Dichloroethane	ND	220	29	ug/kg	
107-06-2	1,2-Dichloroethane	ND	220	35	ug/kg	
75-35-4	1,1-Dichloroethene	ND	220	45	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	220	49	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	220	45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	220	46	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	220	25	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	220	29	ug/kg	
100-41-4	Ethylbenzene	ND	220	75	ug/kg	
591-78-6	2-Hexanone	ND	1100	82	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	540	59	ug/kg	
75-09-2	Methylene chloride	ND	220	58	ug/kg	
100-42-5	Styrene	ND	540	18	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	220	43	ug/kg	
127-18-4	Tetrachloroethene	ND	220	34	ug/kg	
108-88-3	Toluene	ND	540	22	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	220	24	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	220	62	ug/kg	
79-01-6	Trichloroethene	ND	220	27	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH07 0.5-2		
Lab Sample ID:	MC30395-5	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/08/14
Method:	SW846 8260C	**Percent Solids:**	93.3
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	220	99	ug/kg	
1330-20-7	Xylene (total)	ND	220	24	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	114%		70-130%
2037-26-5	Toluene-D8	121%		70-130%
460-00-4	4-Bromofluorobenzene	114%		70-130%

(a) Dilution required due to high concentration of non-target compound.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BH08 0.5-2		
Lab Sample ID:	MC30395-6	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/08/14
Method:	SW846 8260C	**Percent Solids:**	95.0
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M65217.D	1	05/10/14	KD	n/a	n/a	MSM2295
Run #2							

	Initial Weight	Final Volume
Run #1	7.51 g	5.0 ml
Run #2		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	7.0	2.0	ug/kg	
71-43-2	Benzene	1.0	0.35	0.24	ug/kg	
75-27-4	Bromodichloromethane	ND	1.4	0.15	ug/kg	
75-25-2	Bromoform	ND	1.4	0.25	ug/kg	
74-83-9	Bromomethane	ND	1.4	0.42	ug/kg	
78-93-3	2-Butanone (MEK)	ND	7.0	2.2	ug/kg	
75-15-0	Carbon disulfide	0.98	3.5	0.092	ug/kg	J
56-23-5	Carbon tetrachloride	ND	1.4	0.15	ug/kg	
108-90-7	Chlorobenzene	ND	1.4	0.11	ug/kg	
75-00-3	Chloroethane	ND	3.5	0.53	ug/kg	
67-66-3	Chloroform	ND	1.4	0.12	ug/kg	
74-87-3	Chloromethane	ND	3.5	0.40	ug/kg	
124-48-1	Dibromochloromethane	ND	1.4	0.23	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.4	0.19	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.23	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.4	0.29	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.4	0.32	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.4	0.29	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.4	0.29	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.4	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.4	0.18	ug/kg	
100-41-4	Ethylbenzene	ND	1.4	0.48	ug/kg	
591-78-6	2-Hexanone	ND	7.0	0.53	ug/kg	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	3.5	0.38	ug/kg	
75-09-2	Methylene chloride	ND	1.4	0.37	ug/kg	
100-42-5	Styrene	ND	3.5	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.4	0.28	ug/kg	
127-18-4	Tetrachloroethene	ND	1.4	0.22	ug/kg	
108-88-3	Toluene	2.4	3.5	0.14	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	1.4	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.4	0.40	ug/kg	
79-01-6	Trichloroethene	ND	1.4	0.17	ug/kg	

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

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

Report of Analysis

Client Sample ID:	BH08 0.5-2		
Lab Sample ID:	MC30395-6	**Date Sampled:**	05/07/14
Matrix:	SO - Soil	**Date Received:**	05/08/14
Method:	SW846 8260C	**Percent Solids:**	95.0
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.4	0.64	ug/kg	
1330-20-7	Xylene (total)	3.0	1.4	0.15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	90%		70-130%
460-00-4	4-Bromofluorobenzene	90%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TPMW01		
Lab Sample ID:	MC30395-7	**Date Sampled:**	05/07/14
Matrix:	AQ - Ground Water	**Date Received:**	05/08/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N86958.D	1	05/09/14	KD	n/a	n/a	MSN3237
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.32	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.34	ug/l	
75-25-2	Bromoform	ND	1.0	0.61	ug/l	
74-83-9	Bromomethane	ND	2.0	1.8	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.3	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.53	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.43	ug/l	
75-00-3	Chloroethane	ND	2.0	0.53	ug/l	
67-66-3	Chloroform	1.7	1.0	0.41	ug/l	
74-87-3	Chloromethane	ND	2.0	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.38	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.36	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.61	ug/l	
156-59-2	cis-1,2-Dichloroethene	67.3	1.0	0.84	ug/l	
156-60-5	trans-1,2-Dichloroethene	0.77	1.0	0.51	ug/l	J
78-87-5	1,2-Dichloropropane	ND	2.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.6	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	0.99	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.28	ug/l	
100-42-5	Styrene	ND	5.0	0.85	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.40	ug/l	
127-18-4	Tetrachloroethene	71.6	1.0	0.59	ug/l	
108-88-3	Toluene	ND	1.0	0.33	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.46	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.45	ug/l	
79-01-6	Trichloroethene	26.9	1.0	0.47	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TPMW01		
Lab Sample ID:	MC30395-7	**Date Sampled:**	05/07/14
Matrix:	AQ - Ground Water	**Date Received:**	05/08/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.58	ug/l	
1330-20-7	Xylene (total)	0.54	1.0	0.36	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-130%
2037-26-5	Toluene-D8	106%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

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

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

Report of Analysis

Client Sample ID:	TPMW02		
Lab Sample ID:	MC30395-8	**Date Sampled:**	05/07/14
Matrix:	AQ - Ground Water	**Date Received:**	05/08/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N86959.D	1	05/09/14	KD	n/a	n/a	MSN3237
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.32	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.34	ug/l	
75-25-2	Bromoform	ND	1.0	0.61	ug/l	
74-83-9	Bromomethane	ND	2.0	1.8	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.3	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.53	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.43	ug/l	
75-00-3	Chloroethane	ND	2.0	0.53	ug/l	
67-66-3	Chloroform	ND	1.0	0.41	ug/l	
74-87-3	Chloromethane	ND	2.0	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.38	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.36	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	0.66	1.0	0.61	ug/l	J
156-59-2	cis-1,2-Dichloroethene	165	1.0	0.84	ug/l	
156-60-5	trans-1,2-Dichloroethene	4.3	1.0	0.51	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.6	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	0.99	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.28	ug/l	
100-42-5	Styrene	ND	5.0	0.85	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.40	ug/l	
127-18-4	Tetrachloroethene	15.0	1.0	0.59	ug/l	
108-88-3	Toluene	ND	1.0	0.33	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.46	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.45	ug/l	
79-01-6	Trichloroethene	22.4	1.0	0.47	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TPMW02		
Lab Sample ID:	MC30395-8	**Date Sampled:**	05/07/14
Matrix:	AQ - Ground Water	**Date Received:**	05/08/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	2.4	1.0	0.58	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	106%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

(a) The pH of the sample aliquot for VOA analysis was > 2 at time of analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE 1 OF 1

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: MC30395

Client / Reporting Information

Company Name: LCS
Street Address: 40 LaRiviere Dr
City: Buffalo State: NY Zip: 14207
Project Contact: Jeff Rowley E-mail:
Phone #: 716-845-6145 Fax #:
Sampler(s) Name(s): Jeff Rowley Phone #:

Project Information

Project Name: Commercial Property
Street: 3021-3041 Orchard Park
City: Orchard Park, NY
Project #: 13B4431.22
Client PO#:
Project Manager: Jeff Rowley

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

8260 TCL

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB-Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	LAB USE ONLY
-1	BH01 018-4		5/7/14	9:30	SMR	SO	4					1		1		2	X
-2	BH03 6-8		5/7/14	12:40	SMR	SO	4					1		1		2	X
-3	BH04 12-14		5/7/14	13:00	SMR	SO	4					1		1		2	X
-4	BH06 2-4		5/7/14	14:00	SMR	SO	4					1		1		2	X
-5	BH07 0.5-2		5/7/14	14:30	SMR	SO	4					1		1		2	X
-6	BH08 0.5-2		5/7/14	15:30	SMR	SO	4					1		1		2	X
-7	TPMW01		5/7/14	10:55	SMR	SO	3	3									X
-8	TPMW02		5/7/14	12:40	SMR	SO	3	3									X
																	12M4,
																	12C,

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [x] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

RUSH!

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [x] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		5/7/14 15:53	Deaton	FEDX	5-8-14 930	
2						
3						
4						
5						

Custody Seal # | [ ] Intact [ ] Not Intact | Preserved where applicable [ ] | On Ice [x] Cooler Temp. 2.7°C

SYRACUSE SC

MC30395: Chain of Custody
Page 1 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC30395 **Client:** LCS **Immediate Client Services Action Required:** Yes

Date / Time Received: 5/8/2014 **Delivery Method:**

Project: COMMERCIAL PROP **No. Coolers:** **Airbill #'s:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☐		☑

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☐	☑	
2. Trip Blank listed on COC:	☐	☑	
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☐		☑

Sample Integrity - Condition	Y	or	N
1. Sample rec'd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume rec'd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments

-6 all sample bottles have time of 15:00, but the coc says 15:30

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

Sample Receipt Summary - Problem Resolution

Accutest Job Number: MC30395

CSR: Frank D'Agostino **Response Date:** 4/9/2014

Response: The correct sample time is 15:00

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC30395: Chain of Custody
Page 3 of 3

New England ACCUTEST LABORATORIES

05/13/14

Technical Report for

Lender Consulting Services, Inc.

Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY

13B4431.22

Accutest Job Number: MC30471

Sampling Date: 05/08/14

Report to:

Lender Consulting Services, Inc.

mpopek@lenderconsulting.com

ATTN: Maggie Popek

Total number of pages in report: **16**

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

Reza Tand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

Test results relate only to samples analyzed.

Sections: 1 2 3 4

Table of Contents

Sample Summary

Lender Consulting Services, Inc.

Job No: MC30471

Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY
Project No: 13B4431.22

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC30471-1	05/08/14	11:40	DC	05/09/14	AQ	Ground Water	TPMW-06
MC30471-2	05/08/14	13:45	DC	05/09/14	AQ	Ground Water	TPMW-05
MC30471-3	05/08/14	14:45	DC	05/09/14	AQ	Ground Water	TPMW-04
MC30471-4	05/08/14	17:50	DC	05/09/14	AQ	Ground Water	TPMW-03

Summary of Hits

Job Number: MC30471
Account: Lender Consulting Services, Inc.
Project: Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY
Collected: 05/08/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

MC30471-1 **TPMW-06**

No hits reported in this sample.

MC30471-2 **TPMW-05**

No hits reported in this sample.

MC30471-3 **TPMW-04**

No hits reported in this sample.

MC30471-4 **TPMW-03**

No hits reported in this sample.

New England ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	TPMW-06		
Lab Sample ID:	MC30471-1	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/09/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U19757.D	1	05/12/14	GK	n/a	n/a	MSU898
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.32	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.34	ug/l	
75-25-2	Bromoform	ND	1.0	0.61	ug/l	
74-83-9	Bromomethane	ND	2.0	1.8	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.3	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.53	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.43	ug/l	
75-00-3	Chloroethane	ND	2.0	0.53	ug/l	
67-66-3	Chloroform	ND	1.0	0.41	ug/l	
74-87-3	Chloromethane	ND	2.0	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.38	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.36	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.61	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.84	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.6	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	0.99	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.28	ug/l	
100-42-5	Styrene	ND	5.0	0.85	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.40	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.59	ug/l	
108-88-3	Toluene	ND	1.0	0.33	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.46	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.45	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.47	ug/l	

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

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

Report of Analysis

Client Sample ID:	TPMW-06		
Lab Sample ID:	MC30471-1	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/09/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.58	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		70-130%
2037-26-5	Toluene-D8	106%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TPMW-05		
Lab Sample ID:	MC30471-2	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/09/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U19758.D	1	05/12/14	GK	n/a	n/a	MSU898
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.32	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.34	ug/l	
75-25-2	Bromoform	ND	1.0	0.61	ug/l	
74-83-9	Bromomethane	ND	2.0	1.8	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.3	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.53	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.43	ug/l	
75-00-3	Chloroethane	ND	2.0	0.53	ug/l	
67-66-3	Chloroform	ND	1.0	0.41	ug/l	
74-87-3	Chloromethane	ND	2.0	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.38	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.36	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.61	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.84	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.6	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	0.99	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.28	ug/l	
100-42-5	Styrene	ND	5.0	0.85	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.40	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.59	ug/l	
108-88-3	Toluene	ND	1.0	0.33	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.46	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.45	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.47	ug/l	

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

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

Report of Analysis

Client Sample ID:	TPMW-05		
Lab Sample ID:	MC30471-2	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/09/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.58	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		70-130%
2037-26-5	Toluene-D8	120%		70-130%
460-00-4	4-Bromofluorobenzene	112%		70-130%

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

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

Report of Analysis

Client Sample ID:	TPMW-04		
Lab Sample ID:	MC30471-3	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/09/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	U19759.D	1	05/12/14	GK	n/a	n/a	MSU898
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.32	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.34	ug/l	
75-25-2	Bromoform	ND	1.0	0.61	ug/l	
74-83-9	Bromomethane	ND	2.0	1.8	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.3	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.53	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.43	ug/l	
75-00-3	Chloroethane	ND	2.0	0.53	ug/l	
67-66-3	Chloroform	ND	1.0	0.41	ug/l	
74-87-3	Chloromethane	ND	2.0	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.38	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.36	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.61	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.84	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.6	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	0.99	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.28	ug/l	
100-42-5	Styrene	ND	5.0	0.85	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.40	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.59	ug/l	
108-88-3	Toluene	ND	1.0	0.33	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.46	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.45	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.47	ug/l	

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

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

Report of Analysis

Client Sample ID:	TPMW-04		
Lab Sample ID:	MC30471-3	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/09/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.58	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	114%		70-130%
2037-26-5	Toluene-D8	104%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

(a) The pH of the sample aliquot for VOA analysis was > 2 at time of analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TPMW-03		
Lab Sample ID:	MC30471-4	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/09/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	U19760.D	1	05/12/14	GK	n/a	n/a	MSU898
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.5	ug/l	
71-43-2	Benzene	ND	0.50	0.32	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.34	ug/l	
75-25-2	Bromoform	ND	1.0	0.61	ug/l	
74-83-9	Bromomethane	ND	2.0	1.8	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	2.3	ug/l	
75-15-0	Carbon disulfide	ND	5.0	0.46	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.53	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.43	ug/l	
75-00-3	Chloroethane	ND	2.0	0.53	ug/l	
67-66-3	Chloroform	ND	1.0	0.41	ug/l	
74-87-3	Chloromethane	ND	2.0	1.1	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.38	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.36	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.61	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.84	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.42	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.38	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.6	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	0.99	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.28	ug/l	
100-42-5	Styrene	ND	5.0	0.85	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.40	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.59	ug/l	
108-88-3	Toluene	ND	1.0	0.33	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.46	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.45	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.47	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TPMW-03		
Lab Sample ID:	MC30471-4	**Date Sampled:**	05/08/14
Matrix:	AQ - Ground Water	**Date Received:**	05/09/14
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	Commercial Property, 3021-3041 Orchard Park, Orchard Park, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	0.58	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

(a) The pH of the sample aliquot for VOA analysis was > 2 at time of analysis.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

New England ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

PAGE ___ OF ___

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: MC30471

Client / Reporting Information

Company Name: LCY
Street Address: 40 LaRivieraDrive
City: Buffalo State: NY Zip: 14202
Project Contact: JeffRowley E-mail:
Phone #: 716 445 0045 Fax #:
Sampler(s) Name(s): Deaton Phone #:

Project Information

Project Name: commercial Property
Street: 3021-3044 orchard park
City: Orchard Park State: NY
Project #: 13B4431.22
Client PO#: Jeff Rowley
Project Manager: Jeff Rowley

Billing Information (If different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

8260 TCL

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB- Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bisulfate	LAB USE ONLY
-1	TPMW-06		5-8-14	1140	DC	GW	3	1								✓	
-2	TPMW-05		5-8-14	1345	DC	GW	3	1								✓	
-3	TPMW-04		5-8-14	1445	DC	GW	3	1								✓	
-4	TPMW-03		5-8-14	1730	DC	GW	3	1								✓	
																	3D4

Turnaround Time (Business days)

- ☐ Std. 10 Business Days
- ☐ Std. 5 Business Days (By Contract only)
- ☐ 5 Day *RUSH*
- ☐ 3 Day *EMERGENCY*
- ☒ 2 Day *EMERGENCY*
- ☐ 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

RUSH!

Data Deliverable Information

- ☐ Commercial "A" (Level 1)
- ☒ Commercial "B" (Level 2)
- ☐ FULLT1 (Level 3+4)
- ☐ CT RCP
- ☐ MA MCP
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☐ EDD Format _____
- ☐ Other _____

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	Deaton	5-9-14 1400	Deaton	Courier	5/9/14 1520	
2						
3	Relinquished by Sampler:	Date Time: 1500 5-9-14	Received By:	Relinquished By:	Date Time:	Received By:
4						
5	Relinquished by:	Date Time:	Received By:	Custody Seal # none ☐ Intact ☐ Not Intact	Preserved where applicable ☐	On Ice ☐ Cooler Temp: 0.1 °C

SYRACUSE SC

MC30471: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC30471 **Client:** LCS **Immediate Client Services Action Required:** No

Date / Time Received: 5/9/2014 **Delivery Method:** **Client Service Action Required at Login:** No

Project: COMMERCIAL PROPERTY **No. Coolers:** 1 **Airbill #'s:**

Cooler Security	Y or N		Y or N
1. Custody Seals Present:	☑ ☐	3. COC Present:	☑ ☐
2. Custody Seals Intact:	☑ ☐	4. Smpl Dates/Time OK	☑ ☐

Cooler Temperature	Y or N
1. Temp criteria achieved:	☑ ☐
2. Cooler temp verification:	Infared gun
3. Cooler media:	Ice (bag)

Quality Control Preservation	Y or N	N/A
1. Trip Blank present / cooler:	☐ ☑	☐
2. Trip Blank listed on COC:	☐ ☑	☐
3. Samples preserved properly:	☑ ☐	
4. VOCs headspace free:	☑ ☐	☐

Sample Integrity - Documentation	Y or N
1. Sample labels present on bottles:	☑ ☐
2. Container labeling complete:	☑ ☐
3. Sample container label / COC agree:	☑ ☐

Sample Integrity - Condition	Y or N
1. Sample recvd within HT:	☑ ☐
2. All containers accounted for:	☑ ☐
3. Condition of sample:	Intact

Sample Integrity - Instructions	Y or N	N/A
1. Analysis requested is clear:	☑ ☐	
2. Bottles received for unspecified tests	☐ ☑	
3. Sufficient volume recvd for analysis:	☑ ☐	
4. Compositing instructions clear:	☐ ☐	☑
5. Filtering instructions clear:	☐ ☐	☑

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC30471: Chain of Custody
Page 2 of 2

LIMITATIONS

This environmental study is limited by the scope of services contained within this report and time frames specified within the contracts for services dated May 1, 2014.

This environmental study makes no warranties nor implies any liability regarding:

1. Any impacted media located beneath the on-site structure(s).
2. Any chemical analytes not included within the analytical test methods employed during this study.
3. Any impacted media present from off-site sources not assessed.
4. Any impact at locations and depths not assessed in this study.
5. Any impact at locations where access was limited (i.e., beneath structures, etc.).
6. Vapor Intrusion.

Conclusions and/or recommendations made within the study are based on the interpretation of data collected at individual sample locations and may change if additional data is collected during future study. Conditions between sampling locations are estimated based on available data. Intrusive studies serve to reduce, but not eliminate, the potential environmental risk associated with a property. No study is considered all-inclusive or representative of the entire subject property. Such would be cost prohibitive.

APPENDIX B

WATER QUALITY FIELD COLLECTION LOGS

GROUNDWATER FIELD FORM

Project Name: 3021-3041 Orchard Park Rd Supplemental Phase II Date: 5-22-14
Location: 3021-3041 Orchard Park Rd Project No.: 0305-014-001 Field Team: pww

Well No. TPMW-7			Diameter (inches): 1			Sample Date / Time: 5-22-14 12:29			
Product Depth (fbTOR): —			Water Column (ft): 6.20			DTW when sampled: 5.45			
DTW (static) (fbTOR): 3.64			One Well Volume (gal): .25			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 9.84			Total Volume Purged (gal): .75			Purge Method: Low flow			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
12:10	0 Initial	0.25	6.84	18.5	4175	>1000	.64	-221	Turbid brown / No odor
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
12:29	S1 5.45	.75	6.86	17.5	4108	368	1.51	-47	11
—	S2 —	—	—	—	—	—	—	—	—

Well No. TPMW-8			Diameter (inches): 1"			Sample Date / Time: 5-22-14 13:25			
Product Depth (fbTOR): —			Water Column (ft): 11.62			DTW when sampled: 6.41			
DTW (static) (fbTOR): 2.66			One Well Volume (gal): .47			Purpose: ☐ Development ☐ Sample ☒ Purge & Sample			
Total Depth (fbTOR): 14.28			Total Volume Purged (gal): 1.5			Purge Method: Low flow / Bailer			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
13:10	0 Initial	0.10	7.05	18.5	2250	>1000	2.0	-10	Turbid brown / No odor
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
13:25	S1 6.41	1.5	7.0	17.4	2247	>1000	2.51	-6	11
—	S2 —	—	—	—	—	—	—	—	—

REMARKS: TPMW-8 pump issues - changed to Bailer

Note: All measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

TurnKey Environmental Restoration LLC

GROUNDWATER FIELD FORM

Project Name: 3021-3041 Orchard Park Rd Supplemental Phase II Date: 5-22-14
Location: 3021-3041 Orchard Park Rd Project No.: 0305-014-001 Field Team: PWW

Well No. TPMW-9		Diameter (inches): 1"		Sample Date / Time: 5-22-14	
Product Depth (fbTOR):	—	Water Column (ft):	~~13.33~~ 12.28	DTW when sampled:	
DTW (static) (fbTOR):	1.05	One Well Volume (gal):	.5	Purpose: ☐ Development ☐ Sample ☒ Purge & Sample	
Total Depth (fbTOR):	13.33	Total Volume Purged (gal):	1.5	Purge Method:	~~Low Flow~~ Bailer

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1331	0 Initial	0.1	7.46	18.2	3049	>1000	3.0	18	Turbid brownish grey/No odor
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
13:40	S1 7.02	1.5	7.49	16.7	3031	"	3.17	12	"
—	S2 —	—	—	—	—	—	—	—	—

Well No. TPMW-10		Diameter (inches): 1"		Sample Date / Time: 5-22-14	
Product Depth (fbTOR):	—	Water Column (ft):	10.21	DTW when sampled:	
DTW (static) (fbTOR):	4.67	One Well Volume (gal):	.41	Purpose: ☐ Development ☐ Sample ☒ Purge & Sample	
Total Depth (fbTOR):	14.88	Total Volume Purged (gal):	1.25	Purge Method:	~~Low Flow~~ Bailer

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
1336	0 Initial	0.1	7.26	14.8	1878	>1000	3.40	12	Turbid brownish grey/No odor
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
13:47	S1 8.25	1.25	7.16	13.9	1854	"	3.78	6	"
—	S2 —	—	—	—	—	—	—	—	—

REMARKS:

Note: All measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: [signature]

TurnKey Environmental Restoration, LLC

GROUNDWATER FIELD FORM

Project Name: 3021-3041 Orchard Park Rd Supplemental Phase II   Date: 5-22-14
Location: 3021-3041 Orchard Park Rd   Project No.: 0305-014-001   Field Team: PWW

Well No. TPMW-11		Diameter (inches): 1"		Sample Date / Time: 5-22-14	
Product Depth (fbTOR): —		Water Column (ft): 12.24		DTW when sampled:	
DTW (static) (fbTOR): 2.98		One Well Volume (gal): .5		Purpose: ☐ Development ☐ Sample ☒ Purge & Sample	
Total Depth (fbTOR): 15.22		Total Volume Purged (gal): 1.5		Purge Method: lowflow	

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
13:48	0 Initial	1.1	7.59	18.8	1957	>1000	2.78	-41	Turbid brown / No odor
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
13:59	S1 3.5	1.5	7.50	18.0	1950	"	2.94	-54	"
—	S2 —	—	—	—	—	—	—	—	—

Well No.		Diameter (inches):		Sample Date / Time:	
Product Depth (fbTOR):		Water Column (ft):		DTW when sampled:	
DTW (static) (fbTOR):		One Well Volume (gal):		Purpose: ☐ Development ☐ Sample ☐ Purge & Sample	
Total Depth (fbTOR):		Total Volume Purged (gal):		Purge Method:	

Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:									
	S1								
—	S2								

REMARKS:

Note: All measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY: [signature]

APPENDIX C

LABORATORY ANALYTICAL DATA SUMMARY PACKAGE

ANALYTICAL REPORT

Lab Number:	L1410959
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	3021 ORCHARD PARK RD
Project Number:	Not Specified
Report Date:	05/22/14

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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

Project Name: 3021 ORCHARD PARK RD
Project Number: Not Specified

Lab Number: L1410959
Report Date: 05/22/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1410959-01	SB-1	3021 ORCHARD PARK RD	05/20/14 16:15
L1410959-02	SB-2	3021 ORCHARD PARK RD	05/20/14 19:30
L1410959-03	SB-3	3021 ORCHARD PARK RD	05/20/14 18:30
L1410959-04	SB-4	3021 ORCHARD PARK RD	05/20/14 18:45
L1410959-05	SB-5	3021 ORCHARD PARK RD	05/20/14 20:30
L1410959-06	SB-6	3021 ORCHARD PARK RD	05/20/14 21:15

Project Name: 3021 ORCHARD PARK RD
Project Number: Not Specified

Lab Number: L1410959
Report Date: 05/22/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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: 3021 ORCHARD PARK RD
Project Number: Not Specified
Lab Number: L1410959
Report Date: 05/22/14

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.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

L1410959-01, -05, and -06: A discrepancy was observed between the results of the original analysis and the re-analysis on dilution. This was attributed to the sample matrix.

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: Lisa Westerlind

Title: Technical Director/Representative Date: 05/22/14

ORGANICS

VOLATILES

Project Name: 3021 ORCHARD PARK RD **Lab Number:** L1410959

Project Number: Not Specified **Report Date:** 05/22/14

SAMPLE RESULTS

Lab ID: L1410959-01
Client ID: SB-1
Sample Location: 3021 ORCHARD PARK RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/22/14 09:24
Analyst: BN
Percent Solids: 91%

Date Collected: 05/20/14 16:15
Date Received: 05/21/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	2.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.19	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.34	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	430	E	ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.13	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.25	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
Bromoform	ND		ug/kg	4.4	0.45	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.19	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	0.32	J	ug/kg	1.6	0.12	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	5.5	0.86	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.15	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	14		ug/kg	1.1	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.26	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.11	1

Project Name: 3021 ORCHARD PARK RD **Lab Number:** L1410959

Project Number: Not Specified **Report Date:** 05/22/14

SAMPLE RESULTS

Lab ID: L1410959-01 Date Collected: 05/20/14 16:15

Client ID: SB-1 Date Received: 05/21/14

Sample Location: 3021 ORCHARD PARK RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.2	0.35	1
o-Xylene	ND		ug/kg	2.2	0.30	1
cis-1,2-Dichloroethene	0.55	J	ug/kg	1.1	0.16	1
Styrene	ND		ug/kg	2.2	0.34	1
Dichlorodifluoromethane	ND		ug/kg	11	0.24	1
Acetone	ND		ug/kg	11	3.4	1
Carbon disulfide	ND		ug/kg	11	2.2	1
2-Butanone	ND		ug/kg	11	0.39	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
2-Hexanone	ND		ug/kg	11	0.21	1
Bromochloromethane	ND		ug/kg	5.5	0.22	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.86	1
Isopropylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	0.40	J	ug/kg	5.5	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.86	1
Methyl Acetate	ND		ug/kg	22	0.84	1
Cyclohexane	ND		ug/kg	22	1.2	1
1,4-Dioxane	ND		ug/kg	110	19.	1
Freon-113	ND		ug/kg	22	0.30	1
Methyl cyclohexane	ND		ug/kg	4.4	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

Project Name: 3021 ORCHARD PARK RD **Lab Number:** L1410959

Project Number: Not Specified **Report Date:** 05/22/14

SAMPLE RESULTS

Lab ID:	L1410959-01 D	Date Collected:	05/20/14 16:15
Client ID:	SB-1	Date Received:	05/21/14
Sample Location:	3021 ORCHARD PARK RD	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	05/22/14 10:56		
Analyst:	BN		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	700		ug/kg	5.5	0.77	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	97		70-130

Project Name: 3021 ORCHARD PARK RD **Lab Number:** L1410959

Project Number: Not Specified **Report Date:** 05/22/14

SAMPLE RESULTS

Lab ID: L1410959-02
Client ID: SB-2
Sample Location: 3021 ORCHARD PARK RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/22/14 09:50
Analyst: BN
Percent Solids: 87%

Date Collected: 05/20/14 19:30
Date Received: 05/21/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	2.5	J	ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.20	1
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	150		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
Bromoform	ND		ug/kg	4.6	0.48	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	0.35	J	ug/kg	1.7	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.8	0.90	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.16	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.24	1
trans-1,2-Dichloroethene	0.56	J	ug/kg	1.7	0.24	1
Trichloroethene	8.2		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.28	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.12	1

Project Name: 3021 ORCHARD PARK RD **Lab Number:** L1410959

Project Number: Not Specified **Report Date:** 05/22/14

SAMPLE RESULTS

Lab ID: L1410959-02 Date Collected: 05/20/14 19:30

Client ID: SB-2 Date Received: 05/21/14

Sample Location: 3021 ORCHARD PARK RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.3	0.37	1
o-Xylene	ND		ug/kg	2.3	0.31	1
cis-1,2-Dichloroethene	0.93	J	ug/kg	1.2	0.17	1
Styrene	ND		ug/kg	2.3	0.36	1
Dichlorodifluoromethane	ND		ug/kg	12	0.25	1
Acetone	ND		ug/kg	12	3.6	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	ND		ug/kg	12	0.41	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.28	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	5.8	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.91	1
Isopropylbenzene	ND		ug/kg	1.2	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.91	1
Methyl Acetate	ND		ug/kg	23	0.88	1
Cyclohexane	ND		ug/kg	23	1.2	1
1,4-Dioxane	ND		ug/kg	120	20.	1
Freon-113	ND		ug/kg	23	0.32	1
Methyl cyclohexane	ND		ug/kg	4.6	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: 3021 ORCHARD PARK RD **Lab Number:** L1410959

Project Number: Not Specified **Report Date:** 05/22/14

SAMPLE RESULTS

Lab ID:	L1410959-03	Date Collected:	05/20/14 18:30
Client ID:	SB-3	Date Received:	05/21/14
Sample Location:	3021 ORCHARD PARK RD	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	05/22/14 10:16		
Analyst:	BN		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	3.0	J	ug/kg	12	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.22	1
Chloroform	ND		ug/kg	1.8	0.45	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	0.38	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	13		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.15	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.16	1
Bromoform	ND		ug/kg	4.9	0.51	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.21	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	0.36	J	ug/kg	1.8	0.14	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	6.1	0.96	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.17	1
Chloroethane	ND		ug/kg	2.4	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	0.91	J	ug/kg	1.2	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.30	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.13	1

Project Name: 3021 ORCHARD PARK RD **Lab Number:** L1410959

Project Number: Not Specified **Report Date:** 05/22/14

SAMPLE RESULTS

Lab ID: L1410959-03 Date Collected: 05/20/14 18:30

Client ID: SB-3 Date Received: 05/21/14

Sample Location: 3021 ORCHARD PARK RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.4	0.39	1
o-Xylene	ND		ug/kg	2.4	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Styrene	ND		ug/kg	2.4	0.38	1
Dichlorodifluoromethane	ND		ug/kg	12	0.27	1
Acetone	ND		ug/kg	12	3.8	1
Carbon disulfide	ND		ug/kg	12	2.4	1
2-Butanone	ND		ug/kg	12	0.43	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
2-Hexanone	ND		ug/kg	12	0.23	1
Bromochloromethane	ND		ug/kg	6.1	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.97	1
Isopropylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.97	1
Methyl Acetate	ND		ug/kg	24	0.93	1
Cyclohexane	ND		ug/kg	24	1.3	1
1,4-Dioxane	ND		ug/kg	120	21.	1
Freon-113	ND		ug/kg	24	0.33	1
Methyl cyclohexane	ND		ug/kg	4.9	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: 3021 ORCHARD PARK RD **Lab Number:** L1410959

Project Number: Not Specified **Report Date:** 05/22/14

SAMPLE RESULTS

Lab ID: L1410959-04
Client ID: SB-4
Sample Location: 3021 ORCHARD PARK RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/22/14 10:42
Analyst: BN
Percent Solids: 85%

Date Collected: 05/20/14 18:45
Date Received: 05/21/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	2.4	J	ug/kg	12	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.21	1
Chloroform	ND		ug/kg	1.8	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.36	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	59		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.14	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
Bromoform	ND		ug/kg	4.7	0.49	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.20	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.13	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	5.9	0.92	1
Bromomethane	ND		ug/kg	2.3	0.40	1
Vinyl chloride	ND		ug/kg	2.3	0.16	1
Chloroethane	ND		ug/kg	2.3	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	6.5		ug/kg	1.2	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.28	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.12	1

Project Name: 3021 ORCHARD PARK RD **Lab Number:** L1410959

Project Number: Not Specified **Report Date:** 05/22/14

SAMPLE RESULTS

Lab ID: L1410959-04 Date Collected: 05/20/14 18:45

Client ID: SB-4 Date Received: 05/21/14

Sample Location: 3021 ORCHARD PARK RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	0.72	J	ug/kg	2.3	0.38	1
o-Xylene	0.33	J	ug/kg	2.3	0.32	1
cis-1,2-Dichloroethene	4.6		ug/kg	1.2	0.18	1
Styrene	ND		ug/kg	2.3	0.36	1
Dichlorodifluoromethane	ND		ug/kg	12	0.26	1
Acetone	ND		ug/kg	12	3.6	1
Carbon disulfide	ND		ug/kg	12	2.3	1
2-Butanone	ND		ug/kg	12	0.42	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
2-Hexanone	ND		ug/kg	12	0.22	1
Bromochloromethane	ND		ug/kg	5.9	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.92	1
Isopropylbenzene	0.64	J	ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.92	1
Methyl Acetate	ND		ug/kg	23	0.89	1
Cyclohexane	13	J	ug/kg	23	1.2	1
1,4-Dioxane	ND		ug/kg	120	20.	1
Freon-113	ND		ug/kg	23	0.32	1
Methyl cyclohexane	53		ug/kg	4.7	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	100		70-130

Project Name: 3021 ORCHARD PARK RD **Lab Number:** L1410959

Project Number: Not Specified **Report Date:** 05/22/14

SAMPLE RESULTS

Lab ID:	L1410959-05 D2	Date Collected:	05/20/14 20:30
Client ID:	SB-5	Date Received:	05/21/14
Sample Location:	3021 ORCHARD PARK RD	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	05/22/14 12:08		
Analyst:	BN		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	2000		ug/kg	56	7.9	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	95		70-130

Project Name: 3021 ORCHARD PARK RD **Lab Number:** L1410959

Project Number: Not Specified **Report Date:** 05/22/14

SAMPLE RESULTS

Lab ID: L1410959-05 D
Client ID: SB-5
Sample Location: 3021 ORCHARD PARK RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/22/14 11:08
Analyst: BN
Percent Solids: 89%

Date Collected: 05/20/14 20:30
Date Received: 05/21/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	5.7	J	ug/kg	22	4.5	2
1,1-Dichloroethane	ND		ug/kg	3.4	0.40	2
Chloroform	ND		ug/kg	3.4	0.84	2
Carbon tetrachloride	ND		ug/kg	2.2	0.47	2
1,2-Dichloropropane	ND		ug/kg	7.9	0.52	2
Dibromochloromethane	ND		ug/kg	2.2	0.69	2
1,1,2-Trichloroethane	ND		ug/kg	3.4	0.69	2
Tetrachloroethene	500	E	ug/kg	2.2	0.32	2
Chlorobenzene	ND		ug/kg	2.2	0.78	2
Trichlorofluoromethane	ND		ug/kg	11	0.27	2
1,2-Dichloroethane	ND		ug/kg	2.2	0.33	2
1,1,1-Trichloroethane	ND		ug/kg	2.2	0.25	2
Bromodichloromethane	ND		ug/kg	2.2	0.52	2
trans-1,3-Dichloropropene	ND		ug/kg	2.2	0.27	2
cis-1,3-Dichloropropene	ND		ug/kg	2.2	0.29	2
Bromoform	ND		ug/kg	9.0	0.94	2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.2	0.38	2
Benzene	ND		ug/kg	2.2	0.27	2
Toluene	0.64	J	ug/kg	3.4	0.25	2
Ethylbenzene	ND		ug/kg	2.2	0.33	2
Chloromethane	ND		ug/kg	11	1.8	2
Bromomethane	ND		ug/kg	4.5	0.76	2
Vinyl chloride	ND		ug/kg	4.5	0.32	2
Chloroethane	ND		ug/kg	4.5	0.71	2
1,1-Dichloroethene	ND		ug/kg	2.2	0.46	2
trans-1,2-Dichloroethene	ND		ug/kg	3.4	0.48	2
Trichloroethene	16		ug/kg	2.2	0.34	2
1,2-Dichlorobenzene	ND		ug/kg	11	0.41	2
1,3-Dichlorobenzene	ND		ug/kg	11	0.41	2
1,4-Dichlorobenzene	ND		ug/kg	11	0.54	2
Methyl tert butyl ether	ND		ug/kg	4.5	0.24	2

Project Name: 3021 ORCHARD PARK RD **Lab Number:** L1410959

Project Number: Not Specified **Report Date:** 05/22/14

SAMPLE RESULTS

Lab ID: L1410959-05 D Date Collected: 05/20/14 20:30

Client ID: SB-5 Date Received: 05/21/14

Sample Location: 3021 ORCHARD PARK RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	4.5	0.73	2
o-Xylene	ND		ug/kg	4.5	0.61	2
cis-1,2-Dichloroethene	0.92	J	ug/kg	2.2	0.34	2
Styrene	ND		ug/kg	4.5	0.70	2
Dichlorodifluoromethane	ND		ug/kg	22	0.49	2
Acetone	ND		ug/kg	22	7.0	2
Carbon disulfide	ND		ug/kg	22	4.5	2
2-Butanone	ND		ug/kg	22	0.80	2
4-Methyl-2-pentanone	ND		ug/kg	22	0.55	2
2-Hexanone	ND		ug/kg	22	0.42	2
Bromochloromethane	ND		ug/kg	11	0.44	2
1,2-Dibromoethane	ND		ug/kg	9.0	0.40	2
1,2-Dibromo-3-chloropropane	ND		ug/kg	11	1.8	2
Isopropylbenzene	ND		ug/kg	2.2	0.38	2
1,2,3-Trichlorobenzene	ND		ug/kg	11	0.38	2
1,2,4-Trichlorobenzene	ND		ug/kg	11	1.8	2
Methyl Acetate	ND		ug/kg	45	1.7	2
Cyclohexane	ND		ug/kg	45	2.4	2
1,4-Dioxane	ND		ug/kg	220	39.	2
Freon-113	ND		ug/kg	45	0.62	2
Methyl cyclohexane	ND		ug/kg	9.0	2.8	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	96		70-130

Project Name: 3021 ORCHARD PARK RD **Lab Number:** L1410959

Project Number: Not Specified **Report Date:** 05/22/14

SAMPLE RESULTS

Lab ID:	L1410959-06 D2	Date Collected:	05/20/14 21:15
Client ID:	SB-6	Date Received:	05/21/14
Sample Location:	3021 ORCHARD PARK RD	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	05/22/14 12:35		
Analyst:	BN		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	9900		ug/kg	56	7.8	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: 3021 ORCHARD PARK RD **Lab Number:** L1410959

Project Number: Not Specified **Report Date:** 05/22/14

SAMPLE RESULTS

Lab ID: L1410959-06 D
Client ID: SB-6
Sample Location: 3021 ORCHARD PARK RD
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 05/22/14 11:34
Analyst: BN
Percent Solids: 90%

Date Collected: 05/20/14 21:15
Date Received: 05/21/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	7.3	J	ug/kg	22	4.5	2
1,1-Dichloroethane	ND		ug/kg	3.3	0.40	2
Chloroform	ND		ug/kg	3.3	0.83	2
Carbon tetrachloride	ND		ug/kg	2.2	0.47	2
1,2-Dichloropropane	ND		ug/kg	7.8	0.51	2
Dibromochloromethane	ND		ug/kg	2.2	0.69	2
1,1,2-Trichloroethane	ND		ug/kg	3.3	0.68	2
Tetrachloroethene	1300	E	ug/kg	2.2	0.31	2
Chlorobenzene	ND		ug/kg	2.2	0.78	2
Trichlorofluoromethane	ND		ug/kg	11	0.27	2
1,2-Dichloroethane	ND		ug/kg	2.2	0.33	2
1,1,1-Trichloroethane	ND		ug/kg	2.2	0.25	2
Bromodichloromethane	ND		ug/kg	2.2	0.51	2
trans-1,3-Dichloropropene	ND		ug/kg	2.2	0.27	2
cis-1,3-Dichloropropene	ND		ug/kg	2.2	0.28	2
Bromoform	ND		ug/kg	8.9	0.92	2
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.2	0.38	2
Benzene	ND		ug/kg	2.2	0.26	2
Toluene	0.80	J	ug/kg	3.3	0.25	2
Ethylbenzene	ND		ug/kg	2.2	0.33	2
Chloromethane	ND		ug/kg	11	1.7	2
Bromomethane	ND		ug/kg	4.5	0.75	2
Vinyl chloride	ND		ug/kg	4.5	0.32	2
Chloroethane	ND		ug/kg	4.5	0.70	2
1,1-Dichloroethene	ND		ug/kg	2.2	0.46	2
trans-1,2-Dichloroethene	2.6	J	ug/kg	3.3	0.47	2
Trichloroethene	140		ug/kg	2.2	0.34	2
1,2-Dichlorobenzene	ND		ug/kg	11	0.41	2
1,3-Dichlorobenzene	ND		ug/kg	11	0.41	2
1,4-Dichlorobenzene	ND		ug/kg	11	0.54	2
Methyl tert butyl ether	ND		ug/kg	4.5	0.23	2

Project Name: 3021 ORCHARD PARK RD **Lab Number:** L1410959

Project Number: Not Specified **Report Date:** 05/22/14

SAMPLE RESULTS

Lab ID: L1410959-06 D Date Collected: 05/20/14 21:15

Client ID: SB-6 Date Received: 05/21/14

Sample Location: 3021 ORCHARD PARK RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	4.5	0.72	2
o-Xylene	ND		ug/kg	4.5	0.60	2
cis-1,2-Dichloroethene	28		ug/kg	2.2	0.33	2
Styrene	ND		ug/kg	4.5	0.69	2
Dichlorodifluoromethane	ND		ug/kg	22	0.49	2
Acetone	ND		ug/kg	22	6.9	2
Carbon disulfide	ND		ug/kg	22	4.5	2
2-Butanone	ND		ug/kg	22	0.79	2
4-Methyl-2-pentanone	ND		ug/kg	22	0.54	2
2-Hexanone	ND		ug/kg	22	0.42	2
Bromochloromethane	ND		ug/kg	11	0.44	2
1,2-Dibromoethane	ND		ug/kg	8.9	0.40	2
1,2-Dibromo-3-chloropropane	ND		ug/kg	11	1.8	2
Isopropylbenzene	ND		ug/kg	2.2	0.37	2
1,2,3-Trichlorobenzene	ND		ug/kg	11	0.38	2
1,2,4-Trichlorobenzene	ND		ug/kg	11	1.8	2
Methyl Acetate	ND		ug/kg	45	1.7	2
Cyclohexane	4.8	J	ug/kg	45	2.4	2
1,4-Dioxane	ND		ug/kg	220	39.	2
Freon-113	ND		ug/kg	45	0.61	2
Methyl cyclohexane	29		ug/kg	8.9	2.8	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Project Name: 3021 ORCHARD PARK RD
Project Number: Not Specified
Lab Number: L1410959
Report Date: 05/22/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/22/14 08:33
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG691660-3					
Methylene chloride	ND		ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	0.29	J	ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10

Project Name: 3021 ORCHARD PARK RD
Project Number: Not Specified
Lab Number: L1410959
Report Date: 05/22/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/22/14 08:33
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG691660-3					
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Isopropylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	90		70-130

Project Name: 3021 ORCHARD PARK RD
Project Number: Not Specified
Lab Number: L1410959
Report Date: 05/22/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/22/14 08:40
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,05-06 Batch: WG691660-6					
Methylene chloride	3.9	J	ug/kg	10	2.0
1,1-Dichloroethane	ND		ug/kg	1.5	0.18
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	0.31
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	0.12
1,2-Dichloroethane	ND		ug/kg	1.0	0.15
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.23
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.13
Bromoform	ND		ug/kg	4.0	0.41
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.17
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.11
Ethylbenzene	ND		ug/kg	1.0	0.15
Chloromethane	ND		ug/kg	5.0	0.78
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.14
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.20
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.15
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.18
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.24
Methyl tert butyl ether	ND		ug/kg	2.0	0.10

Project Name: 3021 ORCHARD PARK RD
Project Number: Not Specified
Lab Number: L1410959
Report Date: 05/22/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/22/14 08:40
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,05-06 Batch: WG691660-6					
p/m-Xylene	ND		ug/kg	2.0	0.32
o-Xylene	ND		ug/kg	2.0	0.27
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15
Styrene	ND		ug/kg	2.0	0.31
Dichlorodifluoromethane	ND		ug/kg	10	0.22
Acetone	ND		ug/kg	10	3.1
Carbon disulfide	ND		ug/kg	10	2.0
2-Butanone	ND		ug/kg	10	0.36
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.19
Bromochloromethane	ND		ug/kg	5.0	0.20
1,2-Dibromoethane	ND		ug/kg	4.0	0.18
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.79
Isopropylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.17
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.79
Methyl Acetate	ND		ug/kg	20	0.76
Cyclohexane	ND		ug/kg	20	1.1
1,4-Dioxane	ND		ug/kg	100	17.
Freon-113	ND		ug/kg	20	0.27
Methyl cyclohexane	ND		ug/kg	4.0	1.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 3021 ORCHARD PARK RD
Project Number: Not Specified

Lab Number: L1410959
Report Date: 05/22/14

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: WG691660-1 WG691660-2								
Methylene chloride	93		91		70-130	2		30
1,1-Dichloroethane	98		96		70-130	2		30
Chloroform	98		96		70-130	2		30
Carbon tetrachloride	98		99		70-130	1		30
1,2-Dichloropropane	96		96		70-130	0		30
Dibromochloromethane	92		92		70-130	0		30
2-Chloroethylvinyl ether	79		79		70-130	0		30
1,1,2-Trichloroethane	96		96		70-130	0		30
Tetrachloroethene	100		98		70-130	2		30
Chlorobenzene	99		98		70-130	1		30
Trichlorofluoromethane	100		99		70-139	1		30
1,2-Dichloroethane	96		95		70-130	1		30
1,1,1-Trichloroethane	99		98		70-130	1		30
Bromodichloromethane	94		95		70-130	1		30
trans-1,3-Dichloropropene	90		91		70-130	1		30
cis-1,3-Dichloropropene	99		99		70-130	0		30
1,1-Dichloropropene	102		101		70-130	1		30
Bromoform	92		92		70-130	0		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	99		97		70-130	2		30
Toluene	97		95		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 3021 ORCHARD PARK RD
Project Number: Not Specified

Lab Number: L1410959
Report Date: 05/22/14

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: WG691660-1 WG691660-2								
Ethylbenzene	103		102		70-130	1		30
Chloromethane	94		91		52-130	3		30
Bromomethane	96		96		57-147	0		30
Vinyl chloride	94		94		67-130	0		30
Chloroethane	107		101		50-151	6		30
1,1-Dichloroethene	98		95		65-135	3		30
trans-1,2-Dichloroethene	99		96		70-130	3		30
Trichloroethene	99		99		70-130	0		30
1,2-Dichlorobenzene	99		97		70-130	2		30
1,3-Dichlorobenzene	102		99		70-130	3		30
1,4-Dichlorobenzene	99		98		70-130	1		30
Methyl tert butyl ether	96		94		66-130	2		30
p/m-Xylene	107		106		70-130	1		30
o-Xylene	108		106		70-130	2		30
cis-1,2-Dichloroethene	101		98		70-130	3		30
Dibromomethane	93		93		70-130	0		30
Styrene	108		108		70-130	0		30
Dichlorodifluoromethane	95		94		30-146	1		30
Acetone	82		81		54-140	1		30
Carbon disulfide	89		89		59-130	0		30
2-Butanone	96		96		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021 ORCHARD PARK RD

Project Number: Not Specified

Lab Number: L1410959

Report Date: 05/22/14

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: WG691660-1 WG691660-2								
Vinyl acetate	97		98		70-130	1		30
4-Methyl-2-pentanone	83		83		70-130	0		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	80		82		70-130	2		30
Bromochloromethane	100		98		70-130	2		30
2,2-Dichloropropane	100		100		70-130	0		30
1,2-Dibromoethane	96		96		70-130	0		30
1,3-Dichloropropane	97		96		69-130	1		30
1,1,1,2-Tetrachloroethane	97		98		70-130	1		30
Bromobenzene	100		97		70-130	3		30
n-Butylbenzene	107		105		70-130	2		30
sec-Butylbenzene	106		105		70-130	1		30
tert-Butylbenzene	105		103		70-130	2		30
o-Chlorotoluene	104		101		70-130	3		30
p-Chlorotoluene	105		102		70-130	3		30
1,2-Dibromo-3-chloropropane	71		72		68-130	1		30
Hexachlorobutadiene	101		99		67-130	2		30
Isopropylbenzene	107		107		70-130	0		30
p-Isopropyltoluene	108		106		70-130	2		30
Naphthalene	94		92		70-130	2		30
Acrylonitrile	92		92		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021 ORCHARD PARK RD

Project Number: Not Specified

Lab Number: L1410959

Report Date: 05/22/14

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: WG691660-1 WG691660-2								
Isopropyl Ether	99		97		66-130	2		30
tert-Butyl Alcohol	83		84		70-130	1		30
n-Propylbenzene	106		103		70-130	3		30
1,2,3-Trichlorobenzene	101		99		70-130	2		30
1,2,4-Trichlorobenzene	104		101		70-130	3		30
1,3,5-Trimethylbenzene	107		104		70-130	3		30
1,2,4-Trimethylbenzene	107		105		70-130	2		30
Methyl Acetate	87		87		51-146	0		30
Ethyl Acetate	90		90		70-130	0		30
Acrolein	100		91		70-130	9		30
Cyclohexane	108		108		59-142	0		30
1,4-Dioxane	86		87		65-136	1		30
Freon-113	102		101		50-139	1		30
1,4-Diethylbenzene	106		107		70-130	1		30
4-Ethyltoluene	106		107		70-130	1		30
1,2,4,5-Tetramethylbenzene	98		98		70-130	0		30
Tetrahydrofuran	90		89		66-130	1		30
Ethyl ether	96		91		67-130	5		30
trans-1,4-Dichloro-2-butene	95		92		70-130	3		30
Methyl cyclohexane	106		106		70-130	0		30
Ethyl-Tert-Butyl-Ether	100		98		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021 ORCHARD PARK RD

Project Number: Not Specified

Lab Number: L1410959

Report Date: 05/22/14

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: WG691660-1 WG691660-2								
Tertiary-Amyl Methyl Ether	97		97		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		98		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021 ORCHARD PARK RD

Project Number: Not Specified

Lab Number: L1410959

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05-06 Batch: WG691660-4 WG691660-5								
Methylene chloride	95		90		70-130	5		30
1,1-Dichloroethane	94		87		70-130	8		30
Chloroform	96		90		70-130	6		30
Carbon tetrachloride	91		79		70-130	14		30
1,2-Dichloropropane	94		89		70-130	5		30
Dibromochloromethane	82		80		70-130	2		30
2-Chloroethylvinyl ether	96		92		70-130	4		30
1,1,2-Trichloroethane	90		88		70-130	2		30
Tetrachloroethene	87		78		70-130	11		30
Chlorobenzene	88		85		70-130	3		30
Trichlorofluoromethane	120		100		70-139	18		30
1,2-Dichloroethane	107		104		70-130	3		30
1,1,1-Trichloroethane	95		85		70-130	11		30
Bromodichloromethane	94		90		70-130	4		30
trans-1,3-Dichloropropene	86		84		70-130	2		30
cis-1,3-Dichloropropene	90		87		70-130	3		30
1,1-Dichloropropene	92		83		70-130	10		30
Bromoform	74		75		70-130	1		30
1,1,2,2-Tetrachloroethane	85		84		70-130	1		30
Benzene	92		85		70-130	8		30
Toluene	84		78		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021 ORCHARD PARK RD

Project Number: Not Specified

Lab Number: L1410959

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05-06 Batch: WG691660-4 WG691660-5								
Ethylbenzene	90		84		70-130	7		30
Chloromethane	80		71		52-130	12		30
Bromomethane	113		105		57-147	7		30
Vinyl chloride	106		92		67-130	14		30
Chloroethane	117		103		50-151	13		30
1,1-Dichloroethene	88		78		65-135	12		30
trans-1,2-Dichloroethene	92		81		70-130	13		30
Trichloroethene	96		88		70-130	9		30
1,2-Dichlorobenzene	87		84		70-130	4		30
1,3-Dichlorobenzene	88		84		70-130	5		30
1,4-Dichlorobenzene	89		85		70-130	5		30
Methyl tert butyl ether	94		91		66-130	3		30
p/m-Xylene	90		83		70-130	8		30
o-Xylene	91		86		70-130	6		30
cis-1,2-Dichloroethene	94		88		70-130	7		30
Dibromomethane	97		94		70-130	3		30
Styrene	93		90		70-130	3		30
Dichlorodifluoromethane	71		60		30-146	17		30
Acetone	97		99		54-140	2		30
Carbon disulfide	86		76		59-130	12		30
2-Butanone	90		89		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021 ORCHARD PARK RD

Project Number: Not Specified

Lab Number: L1410959

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05-06 Batch: WG691660-4 WG691660-5								
Vinyl acetate	93		90		70-130	3		30
4-Methyl-2-pentanone	93		92		70-130	1		30
1,2,3-Trichloropropane	89		87		68-130	2		30
2-Hexanone	78		77		70-130	1		30
Bromochloromethane	94		92		70-130	2		30
2,2-Dichloropropane	94		83		70-130	12		30
1,2-Dibromoethane	88		85		70-130	3		30
1,3-Dichloropropane	89		86		69-130	3		30
1,1,1,2-Tetrachloroethane	84		80		70-130	5		30
Bromobenzene	85		82		70-130	4		30
n-Butylbenzene	91		82		70-130	10		30
sec-Butylbenzene	88		78		70-130	12		30
tert-Butylbenzene	86		79		70-130	8		30
o-Chlorotoluene	84		80		70-130	5		30
p-Chlorotoluene	91		85		70-130	7		30
1,2-Dibromo-3-chloropropane	73		74		68-130	1		30
Hexachlorobutadiene	87		79		67-130	10		30
Isopropylbenzene	85		77		70-130	10		30
p-Isopropyltoluene	88		80		70-130	10		30
Naphthalene	84		83		70-130	1		30
Acrylonitrile	95		92		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021 ORCHARD PARK RD

Project Number: Not Specified

Lab Number: L1410959

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05-06 Batch: WG691660-4 WG691660-5								
Isopropyl Ether	91		87		66-130	4		30
tert-Butyl Alcohol	90		90		70-130	0		30
n-Propylbenzene	87		81		70-130	7		30
1,2,3-Trichlorobenzene	87		85		70-130	2		30
1,2,4-Trichlorobenzene	88		86		70-130	2		30
1,3,5-Trimethylbenzene	89		82		70-130	8		30
1,2,4-Trimethylbenzene	89		83		70-130	7		30
Methyl Acetate	91		90		51-146	1		30
Ethyl Acetate	91		88		70-130	3		30
Acrolein	**64**	Q	**67**	Q	70-130	5		30
Cyclohexane	92		79		59-142	15		30
1,4-Dioxane	103		95		65-136	8		30
Freon-113	92		77		50-139	18		30
1,4-Diethylbenzene	88		80		70-130	10		30
4-Ethyltoluene	86		79		70-130	8		30
1,2,4,5-Tetramethylbenzene	88		84		70-130	5		30
Tetrahydrofuran	88		92		66-130	4		30
Ethyl ether	92		89		67-130	3		30
trans-1,4-Dichloro-2-butene	83		85		70-130	2		30
Methyl cyclohexane	91		78		70-130	15		30
Ethyl-Tert-Butyl-Ether	96		93		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021 ORCHARD PARK RD

Project Number: Not Specified

Lab Number: L1410959

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,05-06 Batch: WG691660-4 WG691660-5								
Tertiary-Amyl Methyl Ether	92		89		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		109		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	99		100		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: 3021 ORCHARD PARK RD
Project Number: Not Specified

Lab Number: L1410959
Report Date: 05/22/14

SAMPLE RESULTS

Lab ID: L1410959-01
Client ID: SB-1
Sample Location: 3021 ORCHARD PARK RD
Matrix: Soil

Date Collected: 05/20/14 16:15
Date Received: 05/21/14
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	-	05/22/14 02:15	30,2540G	RT

Project Name: 3021 ORCHARD PARK RD
Project Number: Not Specified

Lab Number: L1410959
Report Date: 05/22/14

SAMPLE RESULTS

Lab ID: L1410959-02
Client ID: SB-2
Sample Location: 3021 ORCHARD PARK RD
Matrix: Soil

Date Collected: 05/20/14 19:30
Date Received: 05/21/14
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	86.6		%	0.100	NA	1	-	05/22/14 02:15	30,2540G	RT

Project Name: 3021 ORCHARD PARK RD
Project Number: Not Specified

Lab Number: L1410959
Report Date: 05/22/14

SAMPLE RESULTS

Lab ID: L1410959-03
Client ID: SB-3
Sample Location: 3021 ORCHARD PARK RD
Matrix: Soil

Date Collected: 05/20/14 18:30
Date Received: 05/21/14
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	81.7		%	0.100	NA	1	-	05/22/14 02:15	30,2540G	RT

Project Name: 3021 ORCHARD PARK RD
Project Number: Not Specified

Lab Number: L1410959
Report Date: 05/22/14

SAMPLE RESULTS

Lab ID: L1410959-04
Client ID: SB-4
Sample Location: 3021 ORCHARD PARK RD
Matrix: Soil

Date Collected: 05/20/14 18:45
Date Received: 05/21/14
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	85.3		%	0.100	NA	1	-	05/22/14 02:15	30,2540G	RT

Project Name: 3021 ORCHARD PARK RD
Project Number: Not Specified

Lab Number: L1410959
Report Date: 05/22/14

SAMPLE RESULTS

Lab ID: L1410959-05
Client ID: SB-5
Sample Location: 3021 ORCHARD PARK RD
Matrix: Soil

Date Collected: 05/20/14 20:30
Date Received: 05/21/14
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	88.6		%	0.100	NA	1	-	05/22/14 02:15	30,2540G	RT

Project Name: 3021 ORCHARD PARK RD
Project Number: Not Specified

Lab Number: L1410959
Report Date: 05/22/14

SAMPLE RESULTS

Lab ID: L1410959-06
Client ID: SB-6
Sample Location: 3021 ORCHARD PARK RD
Matrix: Soil

Date Collected: 05/20/14 21:15
Date Received: 05/21/14
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	89.6		%	0.100	NA	1	-	05/22/14 02:15	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: 3021 ORCHARD PARK RD
Project Number: Not Specified

Lab Number: L1410959
Report Date: 05/22/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG691536-1 QC Sample: L1410885-01 Client ID: DUP Sample						
Solids, Total	89.2	88.8	%	0		20

Project Name: 3021 ORCHARD PARK RD
Project Number: Not Specified

Lab Number: L1410959
Report Date: 05/22/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1410959-01A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1410959-01X	Plastic 2oz unpreserved for TS s	A	N/A	2.8	Y	Absent	TS(7)
L1410959-02A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1410959-02X	Plastic 2oz unpreserved for TS s	A	N/A	2.8	Y	Absent	TS(7)
L1410959-03A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1410959-03X	Plastic 2oz unpreserved for TS s	A	N/A	2.8	Y	Absent	TS(7)
L1410959-04A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1410959-04X	Plastic 2oz unpreserved for TS s	A	N/A	2.8	Y	Absent	TS(7)
L1410959-05A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1410959-05X	Plastic 2oz unpreserved for TS s	A	N/A	2.8	Y	Absent	TS(7)
L1410959-06A	Amber 120ml unpreserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1410959-06X	Plastic 2oz unpreserved for TS s	A	N/A	2.8	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name:	3021 ORCHARD PARK RD	**Lab Number:**	L1410959
Project Number:	Not Specified	**Report Date:**	05/22/14

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.

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.

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.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	3021 ORCHARD PARK RD	**Lab Number:**	L1410959
Project Number:	Not Specified	**Report Date:**	05/22/14

Data Qualifiers

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:	3021 ORCHARD PARK RD	**Lab Number:**	L1410959
Project Number:	Not Specified	**Report Date:**	05/22/14

REFERENCES

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

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

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

Last revised April 15, 2014

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

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
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.

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,Tl; **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, SM4500Cl-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,Tl,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.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 5/21/14

ALPHA Job #: L1410959

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: TURNKEY
Address: 2558 HAMBURG TURNPIKE
BUFFALO NY 14218
Phone: 716 856-0599
Fax:
Email: MLESAKOWSKI@BENCHMARK TURNKEY.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 3021 ORCHARD PARK RD
Project Location: 3021 ORCHARD PARK RD
Project #:
Project Manager: MIKE LESAKOWSKI
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)

Date Due: 5/22/14 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: TCL VOC	Sample Specific Comments	TOTAL # BOTTLES
10959-1	SB-1	5/20/14	16:15	S	JCT	1		1
-2	SB-2	↓	19:30	S	JCT	1		1
-3	SB-3	↓	1830	S	JCT	1		1
-4	SB-4	↓	1245	S	JCT	1		1
-5	SB-5	↓	2030	S	JCT	1		1
-6	SB-6	5/20/14	2115	S	JCT	1		1

	TCL VOC
Container Type	A
Preservative	A

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	5/21/14 11:35	Alexandra Filly AAL	5/21/14 11:35
Alexandra Filly	5/21/14 15:00	[signature]	5/21/14 1520
[signature]	5/21/14 1715	Jim Cady	5/21/14 1715
Jim Cady	5/21/14 23:25	Richard Scott	5/21/14 23:25

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

FORM NO: 01-01 (rev. 18-Jan-2010)

ANALYTICAL REPORT

Lab Number:	L1410982
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	3021 ORCHARD PARK RD
Project Number:	3021 ORCHARD PARK RD
Report Date:	05/22/14

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), 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: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PARK RD

Lab Number: L1410982
Report Date: 05/22/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1410982-01	INDOOR AMBIENT AIR	3021 ORCHARD PARK RD	05/21/14 11:22
L1410982-02	OUTDOOR AMBIENT AIR	3021 ORCHARD PARK RD	05/21/14 12:50

Project Name:	3021 ORCHARD PARK RD	**Lab Number:**	L1410982
Project Number:	3021 ORCHARD PARK RD	**Report Date:**	05/22/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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:	3021 ORCHARD PARK RD	**Lab Number:**	L1410982
Project Number:	3021 ORCHARD PARK RD	**Report Date:**	05/22/14

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on May 20, 2014. The canister certification results are provided as an addendum.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 05/22/14

AIR

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PARK RD
Lab Number: L1410982
Report Date: 05/22/14

SAMPLE RESULTS

Lab ID: L1410982-01
Client ID: INDOOR AMBIENT AIR
Sample Location: 3021 ORCHARD PARK RD
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/22/14 10:45
Analyst: RY

Date Collected: 05/21/14 11:22
Date Received: 05/21/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.421	0.200	--	2.08	0.989	--		1
Chloromethane	0.600	0.200	--	1.24	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	13.4	2.50	--	25.2	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	11.2	1.00	--	26.6	2.38	--		1
Trichlorofluoromethane	0.291	0.200	--	1.64	1.12	--		1
Isopropanol	1.17	0.500	--	2.88	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	7.92	1.00	--	27.5	3.47	--		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	0.704	0.200	--	2.08	0.590	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PARK RD
Lab Number: L1410982
Report Date: 05/22/14

SAMPLE RESULTS

Lab ID: L1410982-01
Client ID: INDOOR AMBIENT AIR
Sample Location: 3021 ORCHARD PARK RD
Date Collected: 05/21/14 11:22
Date Received: 05/21/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
n-Hexane	0.211	0.200	--	0.744	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	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.10	0.200	--	4.15	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	0.236	0.200	--	1.03	0.869	--		1
p/m-Xylene	0.836	0.400	--	3.63	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	0.319	0.200	--	1.39	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	0.338	0.200	--	1.66	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PARK RD
Lab Number: L1410982
Report Date: 05/22/14

SAMPLE RESULTS

Lab ID: L1410982-01
Client ID: INDOOR AMBIENT AIR
Sample Location: 3021 ORCHARD PARK RD
Date Collected: 05/21/14 11:22
Date Received: 05/21/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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	100		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	92		60-140

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PARK RD
Lab Number: L1410982
Report Date: 05/22/14

SAMPLE RESULTS

Lab ID: L1410982-01
Client ID: INDOOR AMBIENT AIR
Sample Location: 3021 ORCHARD PARK RD
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/22/14 10:45
Analyst: RY

Date Collected: 05/21/14 11:22
Date Received: 05/21/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.054	0.020	--	0.340	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.471	0.020	--	3.19	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	95		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	93		60-140

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PARK RD
Lab Number: L1410982
Report Date: 05/22/14

SAMPLE RESULTS

Lab ID: L1410982-02
Client ID: OUTDOOR AMBIENT AIR
Sample Location: 3021 ORCHARD PARK RD
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/22/14 10:13
Analyst: RY

Date Collected: 05/21/14 12:50
Date Received: 05/21/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.290	0.200	--	1.43	0.989	--		1
Chloromethane	0.561	0.200	--	1.16	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.72	1.00	--	8.84	2.38	--		1
Trichlorofluoromethane	0.241	0.200	--	1.35	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	1.47	1.00	--	5.11	3.47	--		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	0.249	0.200	--	0.734	0.590	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PARK RD
Lab Number: L1410982
Report Date: 05/22/14

SAMPLE RESULTS

Lab ID: L1410982-02
Client ID: OUTDOOR AMBIENT AIR
Sample Location: 3021 ORCHARD PARK RD
Date Collected: 05/21/14 12:50
Date Received: 05/21/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
n-Hexane	ND	0.200	--	ND	0.705	--		1
Benzene	0.297	0.200	--	0.949	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	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	0.583	0.200	--	2.20	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: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PARK RD
Lab Number: L1410982
Report Date: 05/22/14

SAMPLE RESULTS

Lab ID: L1410982-02
Client ID: OUTDOOR AMBIENT AIR
Sample Location: 3021 ORCHARD PARK RD
Date Collected: 05/21/14 12:50
Date Received: 05/21/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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	106		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	95		60-140

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PARK RD
Lab Number: L1410982
Report Date: 05/22/14

SAMPLE RESULTS

Lab ID: L1410982-02
Client ID: OUTDOOR AMBIENT AIR
Sample Location: 3021 ORCHARD PARK RD
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/22/14 10:13
Analyst: RY

Date Collected: 05/21/14 12:50
Date Received: 05/21/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Carbon tetrachloride	0.052	0.020	--	0.327	0.126	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Tetrachloroethene	0.038	0.020	--	0.258	0.136	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	100		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	96		60-140

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PARK RD
Lab Number: L1410982
Report Date: 05/22/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/21/14 17:02

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG691460-4								
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	2.50	--	ND	4.71	--		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	1.00	--	ND	3.47	--		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	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PARK RD
Lab Number: L1410982
Report Date: 05/22/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/21/14 17:02

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG691460-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		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	0.200	--	ND	0.820	--		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: 3021 ORCHARD PARK RD
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Lab Number: L1410982
Report Date: 05/22/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/21/14 17:02

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG691460-4								
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: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PARK RD
Lab Number: L1410982
Report Date: 05/22/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 05/21/14 17:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-02 Batch: WG691461-4								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		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
Acetone	ND	2.00	--	ND	4.75	--		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	1.00	--	ND	3.47	--		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	0.020	--	ND	0.072	--		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: 3021 ORCHARD PARK RD
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Report Date: 05/22/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 05/21/14 17:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-02 Batch: WG691461-4								
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	0.500	--	ND	2.46	--		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
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: 3021 ORCHARD PARK RD
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Report Date: 05/22/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 05/21/14 17:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-02 Batch: WG691461-4								
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		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: 3021 ORCHARD PARK RD

Project Number: 3021 ORCHARD PARK RD

Lab Number: L1410982

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG691460-3								
Chlorodifluoromethane	100		-		70-130	-		
Propylene	112		-		70-130	-		
Propane	92		-		70-130	-		
Dichlorodifluoromethane	130		-		70-130	-		
Chloromethane	105		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	120		-		70-130	-		
Methanol	82		-		70-130	-		
Vinyl chloride	109		-		70-130	-		
1,3-Butadiene	107		-		70-130	-		
Butane	95		-		70-130	-		
Bromomethane	108		-		70-130	-		
Chloroethane	109		-		70-130	-		
Ethyl Alcohol	94		-		70-130	-		
Dichlorofluoromethane	103		-		70-130	-		
Vinyl bromide	112		-		70-130	-		
Acrolein	86		-		70-130	-		
Acetone	108		-		70-130	-		
Acetonitrile	93		-		70-130	-		
Trichlorofluoromethane	119		-		70-130	-		
iso-Propyl Alcohol	100		-		70-130	-		
Acrylonitrile	95		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021 ORCHARD PARK RD

Project Number: 3021 ORCHARD PARK RD

Lab Number: L1410982

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG691460-3								
Pentane	97		-		70-130	-		
Ethyl ether	92		-		70-130	-		
1,1-Dichloroethene	109		-		70-130	-		
tert-Butyl Alcohol	98		-		70-130	-		
Methylene chloride	108		-		70-130	-		
3-Chloropropene	104		-		70-130	-		
Carbon disulfide	102		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	122		-		70-130	-		
trans-1,2-Dichloroethene	97		-		70-130	-		
1,1-Dichloroethane	106		-		70-130	-		
Methyl tert butyl ether	100		-		70-130	-		
Vinyl acetate	111		-		70-130	-		
2-Butanone	104		-		70-130	-		
cis-1,2-Dichloroethene	120		-		70-130	-		
Ethyl Acetate	105		-		70-130	-		
Chloroform	117		-		70-130	-		
Tetrahydrofuran	95		-		70-130	-		
2,2-Dichloropropane	96		-		70-130	-		
1,2-Dichloroethane	114		-		70-130	-		
n-Hexane	80		-		70-130	-		
Isopropyl Ether	83		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021 ORCHARD PARK RD

Project Number: 3021 ORCHARD PARK RD

Lab Number: L1410982

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG691460-3								
Ethyl-Tert-Butyl-Ether	76		-		70-130	-		
1,1,1-Trichloroethane	90		-		70-130	-		
1,1-Dichloropropene	82		-		70-130	-		
Benzene	87		-		70-130	-		
Carbon tetrachloride	88		-		70-130	-		
Cyclohexane	81		-		70-130	-		
Tertiary-Amyl Methyl Ether	75		-		70-130	-		
Dibromomethane	84		-		70-130	-		
1,2-Dichloropropane	89		-		70-130	-		
Bromodichloromethane	83		-		70-130	-		
1,4-Dioxane	81		-		70-130	-		
Trichloroethene	95		-		70-130	-		
2,2,4-Trimethylpentane	81		-		70-130	-		
Methyl methacrylate	74		-		70-130	-		
Heptane	76		-		70-130	-		
cis-1,3-Dichloropropene	91		-		70-130	-		
4-Methyl-2-pentanone	76		-		70-130	-		
trans-1,3-Dichloropropene	76		-		70-130	-		
1,1,2-Trichloroethane	95		-		70-130	-		
Toluene	98		-		70-130	-		
1,3-Dichloropropane	90		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021 ORCHARD PARK RD

Project Number: 3021 ORCHARD PARK RD

Lab Number: L1410982

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG691460-3								
2-Hexanone	88		-		70-130	-		
Dibromochloromethane	90		-		70-130	-		
1,2-Dibromoethane	104		-		70-130	-		
Butyl Acetate	90		-		70-130	-		
Octane	89		-		70-130	-		
Tetrachloroethene	105		-		70-130	-		
1,1,1,2-Tetrachloroethane	93		-		70-130	-		
Chlorobenzene	105		-		70-130	-		
Ethylbenzene	102		-		70-130	-		
p/m-Xylene	102		-		70-130	-		
Bromoform	83		-		70-130	-		
Styrene	104		-		70-130	-		
1,1,2,2-Tetrachloroethane	106		-		70-130	-		
o-Xylene	104		-		70-130	-		
1,2,3-Trichloropropane	93		-		70-130	-		
Nonane (C9)	86		-		70-130	-		
Isopropylbenzene	98		-		70-130	-		
Bromobenzene	93		-		70-130	-		
o-Chlorotoluene	97		-		70-130	-		
n-Propylbenzene	98		-		70-130	-		
p-Chlorotoluene	93		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021 ORCHARD PARK RD

Project Number: 3021 ORCHARD PARK RD

Lab Number: L1410982

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG691460-3								
4-Ethyltoluene	90		-		70-130	-		
1,3,5-Trimethylbenzene	103		-		70-130	-		
tert-Butylbenzene	99		-		70-130	-		
1,2,4-Trimethylbenzene	107		-		70-130	-		
Decane (C10)	91		-		70-130	-		
Benzyl chloride	72		-		70-130	-		
1,3-Dichlorobenzene	109		-		70-130	-		
1,4-Dichlorobenzene	108		-		70-130	-		
sec-Butylbenzene	98		-		70-130	-		
p-Isopropyltoluene	92		-		70-130	-		
1,2-Dichlorobenzene	107		-		70-130	-		
n-Butylbenzene	101		-		70-130	-		
1,2-Dibromo-3-chloropropane	91		-		70-130	-		
Undecane	99		-		70-130	-		
Dodecane (C12)	108		-		70-130	-		
1,2,4-Trichlorobenzene	114		-		70-130	-		
Naphthalene	102		-		70-130	-		
1,2,3-Trichlorobenzene	99		-		70-130	-		
Hexachlorobutadiene	109		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021 ORCHARD PARK RD

Project Number: 3021 ORCHARD PARK RD

Lab Number: L1410982

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02 Batch: WG691461-3								
Dichlorodifluoromethane	118		-		70-130	-		25
Chloromethane	89		-		70-130	-		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	101		-		70-130	-		25
Vinyl chloride	95		-		70-130	-		25
1,3-Butadiene	92		-		70-130	-		25
Bromomethane	101		-		70-130	-		25
Chloroethane	94		-		70-130	-		25
Acetone	91		-		70-130	-		25
Trichlorofluoromethane	102		-		70-130	-		25
Acrylonitrile	86		-		70-130	-		25
1,1-Dichloroethene	95		-		70-130	-		25
Methylene chloride	98		-		70-130	-		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	104		-		70-130	-		25
Halothane	101		-		70-130	-		25
trans-1,2-Dichloroethene	82		-		70-130	-		25
1,1-Dichloroethane	92		-		70-130	-		25
Methyl tert butyl ether	84		-		70-130	-		25
2-Butanone	83		-		70-130	-		25
cis-1,2-Dichloroethene	105		-		70-130	-		25
Chloroform	102		-		70-130	-		25
1,2-Dichloroethane	97		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021 ORCHARD PARK RD

Project Number: 3021 ORCHARD PARK RD

Lab Number: L1410982

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02 Batch: WG691461-3								
1,1,1-Trichloroethane	85		-		70-130	-		25
Benzene	82		-		70-130	-		25
Carbon tetrachloride	83		-		70-130	-		25
1,2-Dichloropropane	84		-		70-130	-		25
Bromodichloromethane	78		-		70-130	-		25
1,4-Dioxane	71		-		70-130	-		25
Trichloroethene	89		-		70-130	-		25
cis-1,3-Dichloropropene	88		-		70-130	-		25
4-Methyl-2-pentanone	80		-		70-130	-		25
trans-1,3-Dichloropropene	76		-		70-130	-		25
1,1,2-Trichloroethane	91		-		70-130	-		25
Toluene	101		-		70-130	-		25
Dibromochloromethane	88		-		70-130	-		25
1,2-Dibromoethane	106		-		70-130	-		25
Tetrachloroethene	105		-		70-130	-		25
1,1,1,2-Tetrachloroethane	94		-		70-130	-		25
Chlorobenzene	105		-		70-130	-		25
Ethylbenzene	103		-		70-130	-		25
p/m-Xylene	104		-		70-130	-		25
Bromoform	80		-		70-130	-		25
Styrene	108		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021 ORCHARD PARK RD

Project Number: 3021 ORCHARD PARK RD

Lab Number: L1410982

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02 Batch: WG691461-3								
1,1,2,2-Tetrachloroethane	109		-		70-130	-		25
o-Xylene	105		-		70-130	-		25
Isopropylbenzene	101		-		70-130	-		25
4-Ethyltoluene	93		-		70-130	-		25
1,3,5-Trimethylbenzene	105		-		70-130	-		25
1,2,4-Trimethylbenzene	110		-		70-130	-		25
1,3-Dichlorobenzene	115		-		70-130	-		25
1,4-Dichlorobenzene	110		-		70-130	-		25
sec-Butylbenzene	102		-		70-130	-		25
p-Isopropyltoluene	97		-		70-130	-		25
1,2-Dichlorobenzene	114		-		70-130	-		25
n-Butylbenzene	106		-		70-130	-		25
1,2,4-Trichlorobenzene	124		-		70-130	-		25
Naphthalene	110		-		70-130	-		25
1,2,3-Trichlorobenzene	111		-		70-130	-		25
Hexachlorobutadiene	114		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PA

Lab Number: L1410982
Report Date: 05/22/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG691460-5 QC Sample: L1410651-01 Client ID: DUP Sample						
Propylene	ND	ND	ppbV	NC		25
Dichlorodifluoromethane	0.319	0.484	ppbV	**41**	Q	25
Chloromethane	0.535	0.645	ppbV	19		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
Vinyl chloride	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	112	115	ppbV	3		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	11.5	11.5	ppbV	0		25
Trichlorofluoromethane	4.37	4.49	ppbV	3		25
iso-Propyl Alcohol	8.84	9.19	ppbV	4		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PA

Lab Number: L1410982
Report Date: 05/22/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG691460-5 QC Sample: L1410651-01 Client ID: DUP Sample					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
Vinyl acetate	ND	ND	ppbV	NC	25
2-Butanone	1.02	0.994	ppbV	3	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
Ethyl Acetate	0.525	0.555	ppbV	6	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
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	ND	ND	ppbV	NC	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	0.227	0.266	ppbV	16	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PA

Lab Number: L1410982
Report Date: 05/22/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG691460-5 QC Sample: L1410651-01 Client ID: DUP Sample					
Heptane	0.401	0.455	ppbV	13	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	1.96	1.92	ppbV	2	25
2-Hexanone	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	2.04	1.96	ppbV	4	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	0.263	0.267	ppbV	2	25
p/m-Xylene	0.514	0.514	ppbV	0	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	0.251	0.262	ppbV	4	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	0.226	0.223	ppbV	1	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PA

Lab Number: L1410982
Report Date: 05/22/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG691460-5 QC Sample: L1410651-01 Client ID: DUP Sample					
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PA

Lab Number: L1410982
Report Date: 05/22/14

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG691461-5 QC Sample: L1410462-01 Client ID: DUP Sample						
Dichlorodifluoromethane	0.544	0.412	ppbV	**28**	Q	25
Chloromethane	ND	ND	ppbV	NC		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	0.270	0.267	ppbV	1		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Trichlorofluoromethane	1.15	1.17	ppbV	2		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.080	0.081	ppbV	1		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
cis-1,2-Dichloroethene	0.037	0.036	ppbV	3		25
Chloroform	4.67	4.69	ppbV	0		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	0.022	0.022	ppbV	0		25
Benzene	0.197	0.194	ppbV	2		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PA

Lab Number: L1410982
Report Date: 05/22/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG691461-5 QC Sample: L1410462-01 Client ID: DUP Sample					
Carbon tetrachloride	0.041	0.040	ppbV	2	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	0.056	0.056	ppbV	0	25
Trichloroethene	0.098	0.097	ppbV	1	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	0.518	0.534	ppbV	3	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	17.9	18.6	ppbV	4	25
1,1,1,2-Tetrachloroethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	0.046	0.048	ppbV	4	25
p/m-Xylene	0.139	0.143	ppbV	3	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	0.066	0.066	ppbV	0	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PA

Lab Number: L1410982
Report Date: 05/22/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG691461-5 QC Sample: L1410462-01 Client ID: DUP Sample					
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	0.066	0.068	ppbV	3	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	0.020	0.021	ppbV	5	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Naphthalene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: 3021 ORCHARD PARK RD

Project Number: 3021 ORCHARD PARK RD

Lab Number: L1410982

Report Date: 05/22/14

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1410982-01	INDOOR AMBIENT AIR	0379	#16 AMB	05/20/14	102993		-	-	-	Pass	6.7	6.7	0
L1410982-01	INDOOR AMBIENT AIR	1628	6.0L Can	05/20/14	102993	L1410129-03	Pass	-28.2	-5.1	-	-	-	-
L1410982-02	OUTDOOR AMBIENT AIR	0240	#16 AMB	05/20/14	102993		-	-	-	Pass	6.7	6.8	1
L1410982-02	OUTDOOR AMBIENT AIR	1778	6.0L Can	05/20/14	102993	L1410129-03	Pass	-29.5	-9.4	-	-	-	-

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

Lab Number: L1410129
Report Date: 05/22/14

Air Canister Certification Results

Lab ID: L1410129-03
Client ID: CAN 985 SHELF 44
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/13/14 12:38
Analyst: MB

Date Collected: 05/12/14 20:56
Date Received: 05/13/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
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	2.50	--	ND	4.71	--		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	0.200	--	ND	0.434	--		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: L1410129
Report Date: 05/22/14

Air Canister Certification Results

Lab ID: L1410129-03
Client ID: CAN 985 SHELF 44
Sample Location:
Date Collected: 05/12/14 20:56
Date Received: 05/13/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		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	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		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	0.200	--	ND	0.590	--		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
Project Number: CANISTER QC BAT
Lab Number: L1410129
Report Date: 05/22/14

Air Canister Certification Results

Lab ID: L1410129-03
Client ID: CAN 985 SHELF 44
Sample Location:
Date Collected: 05/12/14 20:56
Date Received: 05/13/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
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	0.200	--	ND	0.820	--		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 **Lab Number:** L1410129

Project Number: CANISTER QC BAT **Report Date:** 05/22/14

Air Canister Certification Results

Lab ID: L1410129-03 Date Collected: 05/12/14 20:56

Client ID: CAN 985 SHELF 44 Date Received: 05/13/14

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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:** L1410129

Project Number: CANISTER QC BAT **Report Date:** 05/22/14

Air Canister Certification Results

Lab ID: L1410129-03 Date Collected: 05/12/14 20:56

Client ID: CAN 985 SHELF 44 Date Received: 05/13/14

Sample Location: Field Prep: Not Specified

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	110		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	99		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1410129
Report Date: 05/22/14

Air Canister Certification Results

Lab ID: L1410129-03
Client ID: CAN 985 SHELF 44
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/13/14 12:38
Analyst: MB

Date Collected: 05/12/14 20:56
Date Received: 05/13/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		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	2.00	--	ND	4.75	--		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	1.00	--	ND	3.47	--		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	0.020	--	ND	0.072	--		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: L1410129
Report Date: 05/22/14

Air Canister Certification Results

Lab ID: L1410129-03
Client ID: CAN 985 SHELF 44
Sample Location:

Date Collected: 05/12/14 20:56
Date Received: 05/13/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	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	0.500	--	ND	2.46	--		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
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1410129
Report Date: 05/22/14

Air Canister Certification Results

Lab ID: L1410129-03
Client ID: CAN 985 SHELF 44
Sample Location:
Date Collected: 05/12/14 20:56
Date Received: 05/13/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		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	112		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	103		60-140

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PARK RD

Lab Number: L1410982
Report Date: 05/22/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**
Cooler
N/A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1410982-01A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-LL(30),TO15-SIM(30)
L1410982-02A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-LL(30),TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	3021 ORCHARD PARK RD	**Lab Number:**	L1410982
Project Number:	3021 ORCHARD PARK RD	**Report Date:**	05/22/14

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.

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.

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.

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.

Report Format: Data Usability Report

Project Name:	3021 ORCHARD PARK RD	**Lab Number:**	L1410982
Project Number:	3021 ORCHARD PARK RD	**Report Date:**	05/22/14

Data Qualifiers

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.

Report Format: Data Usability Report

Project Name:	3021 ORCHARD PARK RD	**Lab Number:**	L1410982
Project Number:	3021 ORCHARD PARK RD	**Report Date:**	05/22/14

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

Last revised April 15, 2014

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

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
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.

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,Tl; **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, SM4500Cl-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,Tl,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.

Serial_No:05221412:35

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab:

ALPHA Job #: L1410982

Client Information

Client: TURNKEY
Address: 2558 HAMBURG TURNPIKE
Phone: 716 856-0599
Fax:
Email: MLESAKOWSKI@BENCHMARKTURNKEY.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 3021 ORCHARD PARK RD
Project Location: 3021 ORCHARD PARK RD
Project #:
Project Manager: MIKE LESAKOWSKI
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH *(only confirmed if pre-approved!)*

Date Due: 5/22/2014 Time:

Report Information - Data Deliverables

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

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
~~01~~	SUBSLAB VAPOR	5/20/14	23:15	11:21	-29.6	-4.79	SV	JCT	6 L	1823	0390								
01 ~~02~~	INDOOR AMBIENT AIR	5/20/14	23:15	11:22	-28.2	-4.90	AA-I	JCT	6 L	1628	0379								
02 ~~03~~	OUTDOOR AMBIENT AIR	5/20/14	23:20	12:50	-29.5	-8.70	AA-O	JCT	6 L	1778	0240								

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

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
[signature]	5/21 12:55	Alexandra Frizzi AL	5/21/14 12:55
Alexandra Frizzi	5/21 14:30	[signature]	5/21/14 13:00
[signature]	5/21/14 1715	Jim Cardy	5/21/14 1715
Jim Cardy	5/21/14 23:25	[signature]	5/21/14 23:25

rel [signature] 5/22/14 00:00
rcvd mansfield lab 5/22/14 00:00

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.)

Form No: 101-02 (19-Jun-09)

ANALYTICAL REPORT

Lab Number:	L1410983
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	3021 ORCHARD PARK RD
Project Number:	3021 ORCHARD PARK RD
Report Date:	05/22/14

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), 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: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PARK RD

Lab Number: L1410983
Report Date: 05/22/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1410983-01	SUBSLAB VAPOR	3021 ORCHARD PARK RD	05/21/14 11:21

Project Name:	3021 ORCHARD PARK RD	**Lab Number:**	L1410983
Project Number:	3021 ORCHARD PARK RD	**Report Date:**	05/22/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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:	3021 ORCHARD PARK RD	**Lab Number:**	L1410983
Project Number:	3021 ORCHARD PARK RD	**Report Date:**	05/22/14

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on May 20, 2014. The canister certification results are provided as an addendum.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 05/22/14

AIR

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PARK RD
Lab Number: L1410983
Report Date: 05/22/14

SAMPLE RESULTS

Lab ID: L1410983-01
Client ID: SUBSLAB VAPOR
Sample Location: 3021 ORCHARD PARK RD
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 05/22/14 11:37
Analyst: RY

Date Collected: 05/21/14 11:21
Date Received: 05/21/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.326	0.200	--	1.61	0.989	--		1
Chloromethane	0.528	0.200	--	1.09	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	11.7	2.50	--	22.0	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	10.6	1.00	--	25.2	2.38	--		1
Trichlorofluoromethane	0.268	0.200	--	1.51	1.12	--		1
Isopropanol	1.00	0.500	--	2.46	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	4.79	1.00	--	16.6	3.47	--		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	0.705	0.200	--	2.08	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PARK RD
Lab Number: L1410983
Report Date: 05/22/14

SAMPLE RESULTS

Lab ID: L1410983-01
Client ID: SUBSLAB VAPOR
Sample Location: 3021 ORCHARD PARK RD
Date Collected: 05/21/14 11:21
Date Received: 05/21/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		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	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	1.13	0.200	--	4.26	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	0.580	0.200	--	3.93	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.226	0.200	--	0.982	0.869	--		1
p/m-Xylene	0.862	0.400	--	3.74	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PARK RD
Lab Number: L1410983
Report Date: 05/22/14

SAMPLE RESULTS

Lab ID: L1410983-01
Client ID: SUBSLAB VAPOR
Sample Location: 3021 ORCHARD PARK RD
Date Collected: 05/21/14 11:21
Date Received: 05/21/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.337	0.200	--	1.46	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	0.460	0.200	--	2.26	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-Difluorobenzene	109		60-140
Bromochloromethane	103		60-140
chlorobenzene-d5	100		60-140

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PARK RD
Lab Number: L1410983
Report Date: 05/22/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/21/14 17:02

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG691460-4								
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	2.50	--	ND	4.71	--		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	1.00	--	ND	3.47	--		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	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PARK RD
Lab Number: L1410983
Report Date: 05/22/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/21/14 17:02

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG691460-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		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	0.200	--	ND	0.820	--		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: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PARK RD
Lab Number: L1410983
Report Date: 05/22/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 05/21/14 17:02

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01 Batch: WG691460-4								
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

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021 ORCHARD PARK RD

Project Number: 3021 ORCHARD PARK RD

Lab Number: L1410983

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG691460-3								
Chlorodifluoromethane	100		-		70-130	-		
Propylene	112		-		70-130	-		
Propane	92		-		70-130	-		
Dichlorodifluoromethane	130		-		70-130	-		
Chloromethane	105		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	120		-		70-130	-		
Methanol	82		-		70-130	-		
Vinyl chloride	109		-		70-130	-		
1,3-Butadiene	107		-		70-130	-		
Butane	95		-		70-130	-		
Bromomethane	108		-		70-130	-		
Chloroethane	109		-		70-130	-		
Ethyl Alcohol	94		-		70-130	-		
Dichlorofluoromethane	103		-		70-130	-		
Vinyl bromide	112		-		70-130	-		
Acrolein	86		-		70-130	-		
Acetone	108		-		70-130	-		
Acetonitrile	93		-		70-130	-		
Trichlorofluoromethane	119		-		70-130	-		
iso-Propyl Alcohol	100		-		70-130	-		
Acrylonitrile	95		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021 ORCHARD PARK RD

Project Number: 3021 ORCHARD PARK RD

Lab Number: L1410983

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG691460-3								
Pentane	97		-		70-130	-		
Ethyl ether	92		-		70-130	-		
1,1-Dichloroethene	109		-		70-130	-		
tert-Butyl Alcohol	98		-		70-130	-		
Methylene chloride	108		-		70-130	-		
3-Chloropropene	104		-		70-130	-		
Carbon disulfide	102		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	122		-		70-130	-		
trans-1,2-Dichloroethene	97		-		70-130	-		
1,1-Dichloroethane	106		-		70-130	-		
Methyl tert butyl ether	100		-		70-130	-		
Vinyl acetate	111		-		70-130	-		
2-Butanone	104		-		70-130	-		
cis-1,2-Dichloroethene	120		-		70-130	-		
Ethyl Acetate	105		-		70-130	-		
Chloroform	117		-		70-130	-		
Tetrahydrofuran	95		-		70-130	-		
2,2-Dichloropropane	96		-		70-130	-		
1,2-Dichloroethane	114		-		70-130	-		
n-Hexane	80		-		70-130	-		
Isopropyl Ether	83		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021 ORCHARD PARK RD

Project Number: 3021 ORCHARD PARK RD

Lab Number: L1410983

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG691460-3								
Ethyl-Tert-Butyl-Ether	76		-		70-130	-		
1,1,1-Trichloroethane	90		-		70-130	-		
1,1-Dichloropropene	82		-		70-130	-		
Benzene	87		-		70-130	-		
Carbon tetrachloride	88		-		70-130	-		
Cyclohexane	81		-		70-130	-		
Tertiary-Amyl Methyl Ether	75		-		70-130	-		
Dibromomethane	84		-		70-130	-		
1,2-Dichloropropane	89		-		70-130	-		
Bromodichloromethane	83		-		70-130	-		
1,4-Dioxane	81		-		70-130	-		
Trichloroethene	95		-		70-130	-		
2,2,4-Trimethylpentane	81		-		70-130	-		
Methyl methacrylate	74		-		70-130	-		
Heptane	76		-		70-130	-		
cis-1,3-Dichloropropene	91		-		70-130	-		
4-Methyl-2-pentanone	76		-		70-130	-		
trans-1,3-Dichloropropene	76		-		70-130	-		
1,1,2-Trichloroethane	95		-		70-130	-		
Toluene	98		-		70-130	-		
1,3-Dichloropropane	90		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021 ORCHARD PARK RD

Project Number: 3021 ORCHARD PARK RD

Lab Number: L1410983

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG691460-3								
2-Hexanone	88		-		70-130	-		
Dibromochloromethane	90		-		70-130	-		
1,2-Dibromoethane	104		-		70-130	-		
Butyl Acetate	90		-		70-130	-		
Octane	89		-		70-130	-		
Tetrachloroethene	105		-		70-130	-		
1,1,1,2-Tetrachloroethane	93		-		70-130	-		
Chlorobenzene	105		-		70-130	-		
Ethylbenzene	102		-		70-130	-		
p/m-Xylene	102		-		70-130	-		
Bromoform	83		-		70-130	-		
Styrene	104		-		70-130	-		
1,1,2,2-Tetrachloroethane	106		-		70-130	-		
o-Xylene	104		-		70-130	-		
1,2,3-Trichloropropane	93		-		70-130	-		
Nonane (C9)	86		-		70-130	-		
Isopropylbenzene	98		-		70-130	-		
Bromobenzene	93		-		70-130	-		
o-Chlorotoluene	97		-		70-130	-		
n-Propylbenzene	98		-		70-130	-		
p-Chlorotoluene	93		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021 ORCHARD PARK RD

Project Number: 3021 ORCHARD PARK RD

Lab Number: L1410983

Report Date: 05/22/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 Batch: WG691460-3								
4-Ethyltoluene	90		-		70-130	-		
1,3,5-Trimethylbenzene	103		-		70-130	-		
tert-Butylbenzene	99		-		70-130	-		
1,2,4-Trimethylbenzene	107		-		70-130	-		
Decane (C10)	91		-		70-130	-		
Benzyl chloride	72		-		70-130	-		
1,3-Dichlorobenzene	109		-		70-130	-		
1,4-Dichlorobenzene	108		-		70-130	-		
sec-Butylbenzene	98		-		70-130	-		
p-Isopropyltoluene	92		-		70-130	-		
1,2-Dichlorobenzene	107		-		70-130	-		
n-Butylbenzene	101		-		70-130	-		
1,2-Dibromo-3-chloropropane	91		-		70-130	-		
Undecane	99		-		70-130	-		
Dodecane (C12)	108		-		70-130	-		
1,2,4-Trichlorobenzene	114		-		70-130	-		
Naphthalene	102		-		70-130	-		
1,2,3-Trichlorobenzene	99		-		70-130	-		
Hexachlorobutadiene	109		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PA

Lab Number: L1410983
Report Date: 05/22/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG691460-5 QC Sample: L1410651-01 Client ID: DUP Sample						
Propylene	ND	ND	ppbV	NC		25
Dichlorodifluoromethane	0.319	0.484	ppbV	**41**	Q	25
Chloromethane	0.535	0.645	ppbV	19		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
Vinyl chloride	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	112	115	ppbV	3		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	11.5	11.5	ppbV	0		25
Trichlorofluoromethane	4.37	4.49	ppbV	3		25
iso-Propyl Alcohol	8.84	9.19	ppbV	4		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PA

Lab Number: L1410983
Report Date: 05/22/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG691460-5 QC Sample: L1410651-01 Client ID: DUP Sample					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
Vinyl acetate	ND	ND	ppbV	NC	25
2-Butanone	1.02	0.994	ppbV	3	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
Ethyl Acetate	0.525	0.555	ppbV	6	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
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	ND	ND	ppbV	NC	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	0.227	0.266	ppbV	16	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PA

Lab Number: L1410983
Report Date: 05/22/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG691460-5 QC Sample: L1410651-01 Client ID: DUP Sample					
Heptane	0.401	0.455	ppbV	13	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	1.96	1.92	ppbV	2	25
2-Hexanone	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	2.04	1.96	ppbV	4	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	0.263	0.267	ppbV	2	25
p/m-Xylene	0.514	0.514	ppbV	0	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	0.251	0.262	ppbV	4	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	0.226	0.223	ppbV	1	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PA

Lab Number: L1410983
Report Date: 05/22/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG691460-5 QC Sample: L1410651-01 Client ID: DUP Sample					
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: 3021 ORCHARD PARK RD

Lab Number: L1410983

Project Number: 3021 ORCHARD PARK RD

Report Date: 05/22/14

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1410983-01	SUBSLAB VAPOR	0390	#16 AMB	05/20/14	102993		-	-	-	Pass	6.7	7.0	4
L1410983-01	SUBSLAB VAPOR	1823	6.0L Can	05/20/14	102993	L1410129-03	Pass	-29.6	-4.8	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1410129
Report Date: 05/22/14

Air Canister Certification Results

Lab ID: L1410129-03
Client ID: CAN 985 SHELF 44
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/13/14 12:38
Analyst: MB

Date Collected: 05/12/14 20:56
Date Received: 05/13/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
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	2.50	--	ND	4.71	--		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	0.200	--	ND	0.434	--		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: L1410129
Report Date: 05/22/14

Air Canister Certification Results

Lab ID: L1410129-03
Client ID: CAN 985 SHELF 44
Sample Location:
Date Collected: 05/12/14 20:56
Date Received: 05/13/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		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	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		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	0.200	--	ND	0.590	--		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
Project Number: CANISTER QC BAT
Lab Number: L1410129
Report Date: 05/22/14

Air Canister Certification Results

Lab ID: L1410129-03
Client ID: CAN 985 SHELF 44
Sample Location:
Date Collected: 05/12/14 20:56
Date Received: 05/13/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
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	0.200	--	ND	0.820	--		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 **Lab Number:** L1410129

Project Number: CANISTER QC BAT **Report Date:** 05/22/14

Air Canister Certification Results

Lab ID: L1410129-03 Date Collected: 05/12/14 20:56

Client ID: CAN 985 SHELF 44 Date Received: 05/13/14

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
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
Project Number: CANISTER QC BAT
Lab Number: L1410129
Report Date: 05/22/14

Air Canister Certification Results

Lab ID: L1410129-03
Client ID: CAN 985 SHELF 44
Sample Location:
Date Collected: 05/12/14 20:56
Date Received: 05/13/14
Field Prep: Not Specified

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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	110		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	99		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1410129
Report Date: 05/22/14

Air Canister Certification Results

Lab ID: L1410129-03
Client ID: CAN 985 SHELF 44
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/13/14 12:38
Analyst: MB

Date Collected: 05/12/14 20:56
Date Received: 05/13/14
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		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	2.00	--	ND	4.75	--		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	1.00	--	ND	3.47	--		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	0.020	--	ND	0.072	--		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: L1410129
Report Date: 05/22/14

Air Canister Certification Results

Lab ID: L1410129-03
Client ID: CAN 985 SHELF 44
Sample Location:
Date Collected: 05/12/14 20:56
Date Received: 05/13/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	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	0.500	--	ND	2.46	--		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
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1410129
Report Date: 05/22/14

Air Canister Certification Results

Lab ID: L1410129-03
Client ID: CAN 985 SHELF 44
Sample Location:
Date Collected: 05/12/14 20:56
Date Received: 05/13/14
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.500	--	ND	2.74	--		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	112		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	103		60-140

Project Name: 3021 ORCHARD PARK RD
Project Number: 3021 ORCHARD PARK RD

Lab Number: L1410983
Report Date: 05/22/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**
Cooler
N/A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1410983-01A	Canister - 6 Liter	N/A	N/A		Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	3021 ORCHARD PARK RD	**Lab Number:**	L1410983
Project Number:	3021 ORCHARD PARK RD	**Report Date:**	05/22/14

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.

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.

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.

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.

Report Format: Data Usability Report

Project Name:	3021 ORCHARD PARK RD	**Lab Number:**	L1410983
Project Number:	3021 ORCHARD PARK RD	**Report Date:**	05/22/14

Data Qualifiers

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.

Report Format: Data Usability Report

Project Name:	3021 ORCHARD PARK RD	**Lab Number:**	L1410983
Project Number:	3021 ORCHARD PARK RD	**Report Date:**	05/22/14

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

Last revised April 15, 2014

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

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
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.

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,Tl; **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, SM4500Cl-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,Tl,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.

L1410983

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

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

Date Rec'd in Lab:

ALPHA Job #: ~~L1410982~~

Client Information

Client: TURNKEY
Address: 2558 HAMBURG TURNPIKE
Phone: 716 856-0599
Fax:
Email: MLESAKOWSKI@BENCHMARKTURNKEY.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 3021 ORCHARD PARK RD
Project Location: 3021 ORCHARD PARK RD
Project #:
Project Manager: MIKE LESAKOWSKI
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)

Date Due: 5/22/2014 Time:

Report Information - Data Deliverables

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

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
01	SUBSLAB VAPOR	5/20/14	23:15	11:21	-29.6	-4.79	SV	JCT	6 L	1823	0390								
02	INDOOR AMBIENT AIR	5/20/14	23:15	11:22	-28.2	-4.90	AA-I	JCT	6 L	1628	0379								
03	OUTDOOR AMBIENT AIR	5/20/14	23:20	12:50	-29.5	-8.70	AA-O	JCT	6 L	1778	0240								

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

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
[signature]	5/21 12:55	Alexandra Fritz AL	5/21/14 12:55
Alexandra Fritz	5/21 14:300	[signature]	5/21/14 13:00
[signature]	5/21/14 1715	Jim Cody	5/21/14 1715
Jim Cody	5/21/14 23:25	[signature]	5/21/14 23:25

rel [signature] 5/22/14 0000
mid mansfield 5/22/14 00:00

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.)

Form No: 101-02 (19-Jun-09)

ANALYTICAL REPORT

Lab Number:	L1411100
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Mike Lesakowski
Phone:	(716) 856-0599
Project Name:	3021-3041 ORCHARD PARK RD SITE
Project Number:	0304-014-001
Report Date:	05/23/14

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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

Project Name: 3021-3041 ORCHARD PARK RD SITE
Project Number: 0304-014-001

Lab Number: L1411100
Report Date: 05/23/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1411100-01	TPMW-7	3021-3041 ORCHARD PARK RD	05/22/14 12:29
L1411100-02	TPMW-8	3021-3041 ORCHARD PARK RD	05/22/14 13:25
L1411100-03	TPMW-9	3021-3041 ORCHARD PARK RD	05/22/14 13:40
L1411100-04	TPMW-10	3021-3041 ORCHARD PARK RD	05/22/14 13:47
L1411100-05	TPMW-11	3021-3041 ORCHARD PARK RD	05/22/14 13:59

Project Name:	3021-3041 ORCHARD PARK RD SITE	**Lab Number:**	L1411100
Project Number:	0304-014-001	**Report Date:**	05/23/14

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 all of the requirements of NELAC, for all NELAC accredited parameters. 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. 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. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for 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:	3021-3041 ORCHARD PARK RD SITE	**Lab Number:**	L1411100
Project Number:	0304-014-001	**Report Date:**	05/23/14

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: Lisa Westerlind

Title: Technical Director/Representative Date: 05/23/14

ORGANICS

VOLATILES

Project Name: 3021-3041 ORCHARD PARK RD SITE **Lab Number:** L1411100

Project Number: 0304-014-001 **Report Date:** 05/23/14

SAMPLE RESULTS

Lab ID:	L1411100-01	Date Collected:	05/22/14 12:29
Client ID:	TPMW-7	Date Received:	05/22/14
Sample Location:	3021-3041 ORCHARD PARK RD	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	05/23/14 11:25		
Analyst:	PD		

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	2.0		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
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	2.7		ug/l	1.0	0.33	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	1.8	J	ug/l	2.5	0.70	1
Trichloroethene	2.0		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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

Project Name: 3021-3041 ORCHARD PARK RD SITE **Lab Number:** L1411100

Project Number: 0304-014-001 **Report Date:** 05/23/14

SAMPLE RESULTS

Lab ID: L1411100-01 Date Collected: 05/22/14 12:29

Client ID: TPMW-7 Date Received: 05/22/14

Sample Location: 3021-3041 ORCHARD PARK RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	30		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.0	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	0.35	J	ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	0.65	J	ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	100		70-130

Project Name: 3021-3041 ORCHARD PARK RD SITE **Lab Number:** L1411100

Project Number: 0304-014-001 **Report Date:** 05/23/14

SAMPLE RESULTS

Lab ID:	L1411100-02	Date Collected:	05/22/14 13:25
Client ID:	TPMW-8	Date Received:	05/22/14
Sample Location:	3021-3041 ORCHARD PARK RD	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	05/23/14 11:53		
Analyst:	PD		

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
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	0.16	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	0.33	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	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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

Project Name: 3021-3041 ORCHARD PARK RD SITE **Lab Number:** L1411100

Project Number: 0304-014-001 **Report Date:** 05/23/14

SAMPLE RESULTS

Lab ID: L1411100-02 Date Collected: 05/22/14 13:25

Client ID: TPMW-8 Date Received: 05/22/14

Sample Location: 3021-3041 ORCHARD PARK RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.2	J	ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	0.54	J	ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	0.74	J	ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	99		70-130

Project Name: 3021-3041 ORCHARD PARK RD SITE **Lab Number:** L1411100

Project Number: 0304-014-001 **Report Date:** 05/23/14

SAMPLE RESULTS

Lab ID:	L1411100-03	Date Collected:	05/22/14 13:40
Client ID:	TPMW-9	Date Received:	05/22/14
Sample Location:	3021-3041 ORCHARD PARK RD	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	05/23/14 12:20		
Analyst:	PD		

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
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	0.33	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	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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

Project Name: 3021-3041 ORCHARD PARK RD SITE **Lab Number:** L1411100

Project Number: 0304-014-001 **Report Date:** 05/23/14

SAMPLE RESULTS

Lab ID: L1411100-03 Date Collected: 05/22/14 13:40

Client ID: TPMW-9 Date Received: 05/22/14

Sample Location: 3021-3041 ORCHARD PARK RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	1.0	J	ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	7.6		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	4.3	J	ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	10		ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	99		70-130

Project Name: 3021-3041 ORCHARD PARK RD SITE **Lab Number:** L1411100

Project Number: 0304-014-001 **Report Date:** 05/23/14

SAMPLE RESULTS

Lab ID:	L1411100-04	Date Collected:	05/22/14 13:47
Client ID:	TPMW-10	Date Received:	05/22/14
Sample Location:	3021-3041 ORCHARD PARK RD	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	05/23/14 12:48		
Analyst:	PD		

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
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	0.33	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	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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	1.9	J	ug/l	2.5	0.70	1

Project Name: 3021-3041 ORCHARD PARK RD SITE **Lab Number:** L1411100

Project Number: 0304-014-001 **Report Date:** 05/23/14

SAMPLE RESULTS

Lab ID: L1411100-04 Date Collected: 05/22/14 13:47

Client ID: TPMW-10 Date Received: 05/22/14

Sample Location: 3021-3041 ORCHARD PARK RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	13		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	1.3	J	ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	1.3	J	ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	101		70-130

Project Name: 3021-3041 ORCHARD PARK RD SITE **Lab Number:** L1411100

Project Number: 0304-014-001 **Report Date:** 05/23/14

SAMPLE RESULTS

Lab ID:	L1411100-05	Date Collected:	05/22/14 13:59
Client ID:	TPMW-11	Date Received:	05/22/14
Sample Location:	3021-3041 ORCHARD PARK RD	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	05/23/14 13:16		
Analyst:	PD		

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	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
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	1.2		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	11		ug/l	1.0	0.33	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.24	J	ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	1.2	J	ug/l	2.5	0.70	1
Trichloroethene	11		ug/l	0.50	0.17	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
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

Project Name: 3021-3041 ORCHARD PARK RD SITE **Lab Number:** L1411100

Project Number: 0304-014-001 **Report Date:** 05/23/14

SAMPLE RESULTS

Lab ID: L1411100-05 Date Collected: 05/22/14 13:59

Client ID: TPMW-11 Date Received: 05/22/14

Sample Location: 3021-3041 ORCHARD PARK RD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	87		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	7.0		ug/l	5.0	1.0	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	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
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	3.8	J	ug/l	10	0.24	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	8.2	J	ug/l	10	0.29	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	103		70-130

Project Name: 3021-3041 ORCHARD PARK RD SITE **Lab Number:** L1411100

Project Number: 0304-014-001 **Report Date:** 05/23/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/23/14 09:34
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG692042-3					
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
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	0.33
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	0.17
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

Project Name: 3021-3041 ORCHARD PARK RD SITE **Lab Number:** L1411100

Project Number: 0304-014-001 **Report Date:** 05/23/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 05/23/14 09:34
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG692042-3					
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.0
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	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
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	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
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.24
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.29

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021-3041 ORCHARD PARK RD SITE

Project Number: 0304-014-001

Lab Number: L1411100

Report Date: 05/23/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG692042-1 WG692042-2								
Methylene chloride	104		92		70-130	12		20
1,1-Dichloroethane	112		97		70-130	14		20
Chloroform	118		102		70-130	15		20
2-Chloroethylvinyl ether	78		**66**	Q	70-130	17		20
Carbon tetrachloride	116		101		63-132	14		20
1,2-Dichloropropane	109		94		70-130	15		20
Dibromochloromethane	107		92		63-130	15		20
1,1,2-Trichloroethane	111		95		70-130	16		20
Tetrachloroethene	119		104		70-130	13		20
Chlorobenzene	114		98		75-130	15		20
Trichlorofluoromethane	120		109		62-150	10		20
1,2-Dichloroethane	110		95		70-130	15		20
1,1,1-Trichloroethane	116		101		67-130	14		20
Bromodichloromethane	110		94		67-130	16		20
trans-1,3-Dichloropropene	114		98		70-130	15		20
cis-1,3-Dichloropropene	107		92		70-130	15		20
1,1-Dichloropropene	114		99		70-130	14		20
Bromoform	97		82		54-136	17		20
1,1,2,2-Tetrachloroethane	86		73		67-130	16		20
Benzene	112		97		70-130	14		20
Toluene	112		97		70-130	14		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021-3041 ORCHARD PARK RD SITE

Project Number: 0304-014-001

Lab Number: L1411100

Report Date: 05/23/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG692042-1 WG692042-2								
Ethylbenzene	117		101		70-130	15		20
Chloromethane	112		100		64-130	11		20
Bromomethane	88		84		39-139	5		20
Vinyl chloride	99		94		55-140	5		20
Chloroethane	128		115		55-138	11		20
1,1-Dichloroethene	112		99		61-145	12		20
trans-1,2-Dichloroethene	113		99		70-130	13		20
Trichloroethene	115		99		70-130	15		20
1,2-Dichlorobenzene	112		96		70-130	15		20
1,3-Dichlorobenzene	119		102		70-130	15		20
1,4-Dichlorobenzene	118		101		70-130	16		20
Methyl tert butyl ether	106		92		63-130	14		20
p/m-Xylene	129		112		70-130	14		20
o-Xylene	126		108		70-130	15		20
cis-1,2-Dichloroethene	114		97		70-130	16		20
Dibromomethane	104		90		70-130	14		20
1,2,3-Trichloropropane	95		86		64-130	10		20
Acrylonitrile	100		84		70-130	17		20
Isopropyl Ether	112		97		70-130	14		20
tert-Butyl Alcohol	94		81		70-130	15		20
Styrene	128		111		70-130	14		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021-3041 ORCHARD PARK RD SITE

Project Number: 0304-014-001

Lab Number: L1411100

Report Date: 05/23/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG692042-1 WG692042-2								
Dichlorodifluoromethane	112		99		36-147	12		20
Acetone	93		81		58-148	14		20
Carbon disulfide	108		96		51-130	12		20
2-Butanone	97		84		63-138	14		20
Vinyl acetate	109		92		70-130	17		20
4-Methyl-2-pentanone	89		76		59-130	16		20
2-Hexanone	86		73		57-130	16		20
Bromochloromethane	114		98		70-130	15		20
2,2-Dichloropropane	124		107		63-133	15		20
1,2-Dibromoethane	102		88		70-130	15		20
1,3-Dichloropropane	106		91		70-130	15		20
1,1,1,2-Tetrachloroethane	122		104		64-130	16		20
Bromobenzene	95		82		70-130	15		20
n-Butylbenzene	126		106		53-136	17		20
sec-Butylbenzene	118		100		70-130	17		20
tert-Butylbenzene	112		95		70-130	16		20
o-Chlorotoluene	113		96		70-130	16		20
p-Chlorotoluene	109		94		70-130	15		20
1,2-Dibromo-3-chloropropane	95		81		41-144	16		20
Hexachlorobutadiene	91		80		63-130	13		20
Isopropylbenzene	99		85		70-130	15		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021-3041 ORCHARD PARK RD SITE

Project Number: 0304-014-001

Lab Number: L1411100

Report Date: 05/23/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG692042-1 WG692042-2								
p-Isopropyltoluene	122		103		70-130	17		20
Naphthalene	77		**66**	Q	70-130	15		20
n-Propylbenzene	109		93		69-130	16		20
1,2,3-Trichlorobenzene	78		**68**	Q	70-130	14		20
1,2,4-Trichlorobenzene	103		88		70-130	16		20
1,3,5-Trimethylbenzene	123		105		64-130	16		20
1,2,4-Trimethylbenzene	117		100		70-130	16		20
Methyl Acetate	96		81		70-130	17		20
Ethyl Acetate	94		80		70-130	16		20
Cyclohexane	119		104		70-130	13		20
Ethyl-Tert-Butyl-Ether	112		97		70-130	14		20
Tertiary-Amyl Methyl Ether	106		92		66-130	14		20
1,4-Dioxane	110		76		56-162	**37**	Q	20
Freon-113	120		108		70-130	11		20
1,4-Diethylbenzene	120		103		70-130	15		20
4-Ethyltoluene	116		99		70-130	16		20
1,2,4,5-Tetramethylbenzene	116		99		70-130	16		20
Ethyl ether	117		102		59-134	14		20
trans-1,4-Dichloro-2-butene	80		**68**	Q	70-130	16		20
Iodomethane	70		**66**	Q	70-130	6		20
Methyl cyclohexane	123		106		70-130	15		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 3021-3041 ORCHARD PARK RD SITE

Project Number: 0304-014-001

Lab Number: L1411100

Report Date: 05/23/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG692042-1 WG692042-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		96		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	83		82		70-130
Dibromofluoromethane	104		104		70-130

Project Name: 3021-3041 ORCHARD PARK RD SITE
Project Number: 0304-014-001

Lab Number: L1411100
Report Date: 05/23/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1411100-01A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1411100-01B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1411100-01C	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1411100-02A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1411100-02B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1411100-02C	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1411100-03A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1411100-03B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1411100-03C	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1411100-04A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1411100-04B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1411100-04C	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1411100-05A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1411100-05B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1411100-05C	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	3021-3041 ORCHARD PARK RD SITE	**Lab Number:**	L1411100
Project Number:	0304-014-001	**Report Date:**	05/23/14

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.

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.

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.

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	3021-3041 ORCHARD PARK RD SITE	**Lab Number:**	L1411100
Project Number:	0304-014-001	**Report Date:**	05/23/14

Data Qualifiers

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:	3021-3041 ORCHARD PARK RD SITE	**Lab Number:**	L1411100
Project Number:	0304-014-001	**Report Date:**	05/23/14

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

Last revised April 15, 2014

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

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
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.

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,Tl; **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, SM4500Cl-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,Tl,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.

CHAIN OF CUSTODY

PAGE ____ OF ____

Date Rec'd in Lab: 5/22/14

ALPHA Job #: L1411100

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: TurnKey
Address: 2558 Hamburg Turnpike
Buffalo NY 14218
Phone: 716-856-0599
Fax: 716-856-0583
Email:
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 3021-3041 Orchard Park Rd Site
Project Location: 3021-3041 Orchard Park Rd
Project #: 0304-014-001
Project Manager: Mike Lesakowski
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)
Date Due: 5/23/14 Time:

Report Information - Data Deliverables

☐ FAX ~~☐ EMAIL~~
~~☒~~ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria

Other Project Specific Requirements/Comments/Detection Limits:

ANALYSIS: TCL VOC

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC	Sample Specific Comments	TOTAL # BOTTLES
1100.1	TPMW-7	5-22-14	12:29	GW	PWW	X		3
.2	TPMW-8	↓	13:25	↓	↓	X		3
.3	TPMW-9		13:40			X		3
.4	TPMW-10		13:47			X		3
.5	TPMW-11		13:59			X		3

Container Type	
Preservative	

Relinquished By:	Date/Time	Received By:	Date/Time
	5-22-14 13:25	Alexandra Filly AN	5-22-14 13:05
Alexandra Filly	5-22-14 17:15		5-22-14 17:15
	5-22-14 2000		5-22-14 2000
	5-22-14 2230	Richard Scott	5/22/14 2230

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

FORM NO: 01-01 (rev. 14-OCT-07)