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# **LIMITED PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT**

**for**

**NEW LEBANON SCHOOL  
25 MEAD AVENUE  
Greenwich, Connecticut**

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## **1.0 INTRODUCTION**

Langan CT, Inc. (Langan) was retained by AKF Group, LLC (AKF) to perform a Limited Phase II Environmental Site Investigation (ESI) for the New Lebanon School property located at 25 Mead Avenue in the Town of Greenwich, Fairfield County, Connecticut (hereafter referred to as the "Subject Property"). The Subject Property encompasses approximately 7.72 acres and consists of one tax lot designated as Parcel ID 04-4602/S by the Greenwich Tax Assessor. The Subject Property is improved with a one story brick school building and associated asphalt parking lots. The location of the Subject Property is depicted on Figure 1 (Site Location Plan) and pertinent current and historic Subject Property features are depicted on Figure 2 (Site Layout Map).

Langan's Limited Phase II ESI scope of work was conducted in accordance with our Limited Phase II Scope of Work provided as an attachment to the AKF Proposal No. P\_S140086 submitted on May 22, 2014. Sampling was conducted by Langan in general accordance with the Connecticut Department of Energy and Environmental Protection's (CTDEEP) 2007 Site Characterization Guidance Document in order to assess previously identified Areas of Environmental Concern (AOCs) at the Subject Property.

The Limited Phase II ESI was conducted in support of a planned redevelopment of the New Lebanon School. This report summarizes the work completed, the findings of the investigation, an interpretation of analytical data, and our conclusions and recommendations.

### **1.1 Background and Purpose**

A Phase I Environmental Site Assessment (ESA) of the Subject Property was completed by Langan, dated June 13, 2014. Two Recognized Environmental Conditions (RECs) were identified as a result of the Phase I ESA. The RECs identified are summarized below and depicted on Figure 2:

#### **REC #1 – Former Underground Storage Tank (UST)**

Based on information obtained from the Environmental Data Resources, Inc. (EDR) Radius Report and available records reviewed at the Town of Greenwich Building Department, the Subject Property historically used a 5,000 gallon heating oil UST (installed on July 1, 1956) that was located on the western side of the Subject Property near the school entrance. No record of the proper closure or removal of this tank was available for review. Based on the age of this tank and the potential

for a release of heating oil to have occurred at the Subject Property, this tank represents a REC.

### **REC #2 – Existing UST**

Based on information obtained from the EDR Radius Report and available records reviewed at the Town of Greenwich Building Department, the Subject Property currently uses a 5,000 gallon #2 heating oil UST (installed in July 1990) that is located on the eastern side of the Subject Property. According to Mr. Ken Romaine, the head custodian for the New Lebanon School, the tank is used for emergencies only and has not been used recently. Based on the potential for a release of heating oil to have occurred at the Subject Property, this tank represents a REC.

### **1.2 Site Description and History**

The Subject Property encompasses approximately 7.72 acres and consists of an approximately 336,283 square foot (SF) building, asphalt parking areas and associated landscaped areas, and wooded areas. The building was constructed in 1957 and is currently occupied by New Lebanon School. Access to the Subject Property is provided by a driveway off Church Street. Asphalt parking areas are provided west of the building. A playground is located to the south west of the building and paved walkways and wooded areas are located to the north, south and east of the building. A wetland is located along the southeastern edge of the Subject Property (see Figure 2). A wetland delineation report, dated August 8, 2014, is provided as Appendix D. As shown, a single wetland was delineated in the low swale located approximately 75 feet southeast and down-gradient of the existing building.

The Subject Property is bound to the north by Church Street followed by Byram-Schubert Library and a public baseball field, to the west by residential properties, to the south by residential properties, and to the east by Interstate Highway 95 followed by residential properties.

### **1.3 Scope of Work**

The scope of work for this Limited Phase II ESI was completed on August 11, 2014 and included the following tasks:

- Completion of a ground-penetrating radar (GPR) survey within select areas of the Subject Property in an attempt to determine the possible presence of USTs and/or other subsurface anomalies;
- Environmental oversight of the advancement of five environmental borings (SB-1 through SB-5) using a Geoprobe model 7822 direct push drill rig; and,
- Collection and analysis of six soil samples.

## **2.0 REGULATORY BACKGROUND**

The analytical results for soil obtained during this investigation were compared to the numeric criteria listed in the Connecticut Remediation Standard Regulations (RSRs), sections 22a-133k-1 through 22a-133k-3 of the Regulations of Connecticut State Agencies dated January 1996, and to numeric criteria in the "Approved Criteria for Additional Polluting Substances" dated April 30, 1999. The RSRs were developed by the CTDEEP to define the remediation performance standards for soil and groundwater, specific numeric cleanup criteria, and processes for establishing alternative site-specific standards. The RSRs apply specifically to sites at which remedial actions are required by the CTDEEP under Chapters 445 or 446k of the Connecticut General Statutes (CGS) such as under an administrative order, subsequent to a transfer of an establishment under CGS Section 22a-134a, and to sites that are enrolled in a Voluntary Remediation Program under CGS Sections 22a-133x or 22a-133y.

The Subject Property is not currently regulated under any of these State statutes. However, Langan used the numeric criteria in the RSRs as guidelines to assess the Subject Property and to make conclusions regarding concentrations of regulated compounds detected in soil. The following sections provide a brief summary of the criteria evaluated during this Limited Phase II ESI.

### **2.1 Soil Criteria**

The RSRs provide two criteria for soil, including the Direct Exposure Criteria (DEC) and Pollutant Mobility Criteria (PMC), which are summarized below.

#### Direct Exposure Criteria

The DEC are established to protect human health from risks associated with direct exposure to pollutants in contaminated soil within 15 feet of the ground surface.

Different DEC apply to a property depending on land use, either “residential” or “industrial/commercial”, as defined by the CTDEEP. The CTDEEP defines use of a property as a school as “residential”. However, Langan compared the soil analytical results to both the Residential and Industrial/Commercial (RDEC and I/CDEC), which are summarized in Table 1.

#### Pollutant Mobility Criteria

The PMC are established to protect groundwater quality by reducing or eliminating the migration of pollutants to the groundwater from contaminated soil. Different PMC apply to a property depending on the quality of groundwater at the site, as designated by the CTDEEP. In a “GB” groundwater classification area the GB PMC apply to soil located above the seasonal high water table. Langan compared the soil analytical results to the GB PMC, which are summarized in Table 1.

### **3.0 GEOLOGY, HYDROGEOLOGY, AND GROUNDWATER QUALITY**

#### **3.1 Geology**

According to the Surficial Materials Glacial and Postglacial Deposits for Greenwich, Connecticut (United States Geological Survey/Connecticut Department of Environmental Protection, 2009), soils beneath the Subject Property consist of till of varied thickness, generally non-stratified mixtures of grain-sizes ranging from clay to large boulders that can be sparse or abundant.

Based on information observed during Langan’s environmental boring advancement activities, the surficial materials primarily consist of native and non-native brown to grayish-brown, fine to coarse sand, followed by red to gray clay above bedrock. Fill material was encountered in two of the five borings (SB-1 and SB-4) at depths of 2 to 5 feet below ground surface (bgs), respectively.

According to the Bedrock Geologic Map of Connecticut (United States Geological Survey, 1985), bedrock underlying the Subject Property is classified as Harrison Gneiss, which consists of interlayered dark and light-gray, medium-grained, foliated gneiss.

Numerous bedrock outcrops were identified on the Subject Property during our site reconnaissance. Bedrock was encountered at depths ranging from 8 to 14.5 feet bgs during this Limited Phase II ESI.

### **3.2 Hydrogeology**

According to the Water Quality Classifications Greenwich, CT map (CTDEEP, February 2011) the groundwater underlying the Subject Property is GB. Based on the Connecticut Water Quality Standards and Criteria, Class GB is designated for industrial process water and cooling waters and baseflow for hydraulically-connected water bodies and is presumed not suitable for human consumption without treatment.

According to information on the United States Geological Service (USGS) topographic quadrangle map for Greenwich CT, groundwater flow beneath the Subject Property is inferred to be to the south.

According to the Water Quality Classifications Greenwich, CT map (CTDEEP, February 2011), Byram River, located approximately 1,300 feet to the west of the Subject Property is identified as a Class SB water body. Based on the Connecticut Water Quality Standards and Criteria, Class SB surface water is designated for habitat for marine fish and aquatic life and wildlife; commercial shellfish harvesting; recreation; industrial supply; and navigation.

Groundwater was not encountered above bedrock during this Limited Phase II ESI.

## **4.0 LIMITED PHASE II ESI METHODOLOGY AND INVESTIGATION ACTIVITIES**

### **4.1 Geophysical Survey**

A geophysical survey was completed by Nova Geophysical Services (Nova) of Douglaston, New York, using electromagnetic surveying equipment and ground penetrating radar (GPR). The purpose of the geophysical survey was to complete utility markouts at the proposed test boring locations as well as an attempt to locate subsurface structures identified in the Phase I ESA (former UST). The geophysical report and associated images and map are provided as Appendix A.

The GPR survey identified a major anomaly located along the eastern portion of the Subject Property building that was approximately 20 feet long by 8 feet in diameter and consistent with an UST. A fill port and vent pipe were also observed to be associated with the anomaly. Nova also identified disturbed soil along the western portion of the building that could be consistent with previously excavated soils associated with a historic UST removal.

## **4.2 Subsurface Soil Investigation**

Five soil borings were installed on August 11, 2014 by American Environmental Assessment Corp. (American) of Hartford, Connecticut with oversight provided by Langan. Soil boring locations (SB-1 through SB-5) are shown on Figure 2.

Soil borings SB-1 through SB-5 were advanced to bedrock refusal, encountered at depths ranging from approximately 8 to 14.5 feet bgs using the direct push method (i.e., Geoprobe®). Soil cores were collected continuously in dedicated, acetate liners from ground surface to the boring completion depths.

Soil cores were classified for soil type, grain size, moisture content, and texture and evaluated for visual and olfactory indications of environmental impacts. Soil cores were screened for total organic vapors using a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp. Soil boring logs are included in Appendix B.

Soil samples were collected from areas exhibiting visual or olfactory indications of impacts or with the highest PID readings. In the absence of soil impacts, samples were collected from shallow soils (0 to 5 feet bgs). Upon collection, soil samples were placed in laboratory-supplied containers and submitted to York Analytical Laboratories (York) of Stratford, Connecticut. Soil samples were submitted for analysis of volatile organic compounds (VOCs) by EPA Method 8260, semi-volatile organic compounds (SVOCs), extractable total petroleum hydrocarbon (ETPH), polychlorinated biphenyls (PCBs), pesticides, herbicides, and Connecticut-listed Metals.

## **4.3 Soil Sampling Results**

Soil analytical results are discussed below and summarized in Table 1, and laboratory analytical reports are included in Appendix C.

### Volatile Organic Compounds (VOCs)

VOCs were not detected above applicable CTDEEP RSR criteria. Soil sampling results revealed the presence of VOCs including 1,1,1-trichloroethane, 1,2,4-trimethylbenzene, 2-butanone, acetone, ethyl benzene, o-xylene, p- & m-xylenes, total xylenes, and trichloroethylene (TCE) below the CTDEEP RDEC and GB PMC in the samples from soil borings SB-2 through SB-5. Acetone (a common laboratory contaminant) was also detected in the trip blank and associated batch blank. VOCs were not detected above laboratory reporting limits in the remaining soil samples.

Semi-Volatile Organic Compounds (SVOCs)

SVOCs were not detected above applicable CTDEEP RSR criteria. Soil sampling results revealed the presence of fluoranthene, phenanthrene, and pyrene below CTDEEP RDEC and GB PMC in the sample from soil boring SB-4. SVOCs were not detected above laboratory reporting limits in the remaining soil samples.

Pesticides

Pesticides were detected above CT RSR criteria in four of the six soil samples submitted for analysis.

4,4'-DDE was detected at a concentration of 0.0257 mg/kg in SB-5 (2 to 3 feet bgs) above the GB PMC of 0.01 mg/kg.

4,4'-DDT was detected at concentrations ranging from 0.0142 to 0.0357 mg/kg in SB-3 (0 to 1 feet bgs and 10 to 11 feet bgs) and SB-5 (2 to 3 feet bgs) above the GB PMC of 0.01 mg/kg.

Total chlordane was detected at a concentration of 0.066 mg/kg in SB-4 (4 to 5 feet bgs) matching the GB PMC of 0.066 mg/kg.

Pesticides were not detected above laboratory reporting limits in the remaining soil samples.

Extractable Total Petroleum Hydrocarbons (ETPH)

ETPH was detected in all soil samples at concentrations ranging from 10.4 to 343 mg/kg. All detected ETPH concentrations were below applicable CTDEEP criteria.

Herbicides and PCBs

Herbicides and PCBs were not detected above laboratory reporting limits in any of the soil samples submitted for analysis.

Metals

Metals including antimony, arsenic, barium, chromium, copper, lead, nickel, selenium, vanadium, zinc, and/or mercury were detected above laboratory reporting limits but below CT RSR criteria in all six of the soil samples.

#### **4.3.1 Quality Assurance/Quality Control**

As Quality Assurance/Quality Control (QA/QC) measures, one blind duplicate (DUP) was collected during the soil sampling event. A trip blank was also submitted to the laboratory with the samples for VOC analysis. The blind duplicate was collected by simultaneously collecting two sets of samples from one soil boring (SB-1). QA/QC samples were handled, transported, and analyzed in the same manner as all other samples. Acetone was detected in the trip blank at a concentration of 4 µg/L. The analyte was found in the associated batch blank. For volatiles, acetone is a common lab contaminant and any data less than 10 times the blank value should be considered an artifact. Results of the duplicate soil sample collected at SB-1 (4 to 5 feet bgs) were consistent with the results of the original SB-1 soil sample.

### **5.0 CONCEPTUAL SITE MODEL**

The development of a conceptual site model (CSM) is a planning tool used for evaluating assessment and remedial actions at a site, using an assessment framework that integrates new site information as it becomes available. The CSM incorporates site-specific and hydrological information to identify constituents of concern (COCs), the nature of impacts, migration and potential exposure pathways, and points of exposure. The development of a site-specific conceptual model is a critical component in risk-informed cleanup. A well-defined conceptual model of a site contains sufficient information to: (1) identify sources of the impacts, (2) determine the nature and extent of the impacts, (3) identify the dominant fate and transport characteristics of the site, (4) specify potential exposure pathways, and, (5) identify potential receptors that may be impacted.

#### **5.1 Recognized Environmental Conditions (RECs)**

The following CSM has been developed to evaluate potential impacts to site soils, groundwater, and off-site receptors resulting from potential on-site releases. As previously mentioned, two RECs were identified, summarized as the following:

- REC#1 – Former UST; and,
- REC#2 – Existing UST.

The COCs identified are VOCs, SVOCs, PCBs, ETPH, Pesticides/Herbicides, and CT-listed metals based on the current and historic usage of the Subject Property.

## **5.1 Impact Sources and Mechanisms**

Potential sources of contamination at the Subject Property are releases from the identified RECs, the former and existing USTs. COCs typically associated with the heating oil USTs are VOCs, SVOCs, and ETPH.

Soil samples were collected in the vicinity, and down-gradient, of the RECs described above. A release of COCs was not identified in the vicinity of the former or existing USTs.

Pesticides were detected at concentrations exceeding the GB PMC in four soil samples (SB-3 0 to 1 feet bgs, SB-3 10 to 11 feet bgs, SB-4, and SB-5).

## **5.2 Migration Pathways**

The primary migration pathway at the Subject Property consists of the following sequence: impacts from former and existing USTs and infiltration into soil. No impacts associated with the former or existing USTs were identified. Additional potential migration pathways may include volatilization into the air from the soil, and/or leaching from the soil; however, VOCs were not identified at elevated concentrations in soil.

### **5.2.1 Infiltration into the Vadose Zone (Soil)**

The primary contaminants of concern identified at the Subject Property were pesticides. Because of the presence of poorly-graded sandy soils and clay on top of bedrock with no evidence of overburden groundwater, COCs associated with a release at the Subject Property would likely not migrate from the vadose zone.

### **5.2.2 Migration in the Saturated Zone/Bedrock (Groundwater)**

Due to the presence of shallow bedrock throughout the Subject Property, overburden groundwater was not encountered in any of the soil borings. In addition, groundwater is not suitable for human consumption in this area, therefore, eliminating a potential exposure pathway associated with groundwater impacts.

### **5.3 Exposure Pathways**

Potential exposure pathways at the Subject Property include direct exposure to pesticide-impacted soils (4,4'-DDE, 4-4'-DDT, and total chlordane) identified in the upper 5 feet of soil in three of the five borings advanced within the Subject Property to the east of the existing building. Disturbance of impacted subsurface soils exceeding the DEC during construction, could result in a complete exposure pathway, and the work should be managed accordingly. A Health and Safety Plan (HASP) would be recommended to address this exposure pathway during site work.

### **5.4 Preliminary Ecological Screening**

Ecologically sensitive areas are the on-site wetlands located in the southeast corner of the Subject Property. Ecological receptors include terrestrial (plants and soil invertebrates), wildlife, and aquatic receptors.

#### Exposure Pathways Considered

The following exposure pathways were considered in this assessment:

- Direct contact of aquatic receptors to surface water;
- Direct contact of benthic macroinvertebrates with sediment;
- Direct contact of terrestrial plants and soil invertebrates with soil; and,
- Ingestion of surface water and soil by wildlife receptors.

#### Summary of Ecological Assessment

Based on the impacts identified at the Subject Property, no complete ecological exposure pathways were identified. As stated above, no overburden groundwater was identified on-site, suggesting that impacts are not migrating to the on-site wetlands.

## **6.0 CONCLUSIONS AND RECOMMENDATIONS**

This Limited Phase II ESI included the completion of a geophysical survey, the oversight of five environmental soil borings, and the collection/analysis of six soil samples. Soil analytical testing data obtained during the Limited Phase II ESI was compared to the

RDEC, the I/CDEC, and the GB PMC. Our conclusions and recommendations are as follows:

- The Subject Property is underlain by native and non-native brown to grayish-brown, fine to coarse sand, followed by red to gray clay above bedrock. Fill material was encountered in two of the five borings (SB-1 and SB-4) at depths of 2 to 5 feet bgs, respectively. Bedrock was encountered at depths ranging from 8 to 14.5 feet bgs. Groundwater was not encountered above bedrock during this Limited Phase II ESI.
- Laboratory analytical results of the subsurface material identified impacts from pesticides at concentrations exceeding the GB PMCs at depths ranging from 0 to 5 feet bgs and 10 to 11 feet bgs. Given the confirmed presence of contaminated soil at the Subject Property (pesticides), we recommend implementation of soil handling and management procedures during site redevelopment to address proper excavation, re-use, handling, and possible off-site disposal of this material.
- Additionally, as part of the proposed redevelopment activities, the on-site heating oil UST should be closed and removed in conformance with the CTDEEP UST Regulations (Section 22a-449(d)-1 and Sections 22a-449(d) 101-113 of the Regulations of Connecticut State Agencies).
- Although contaminated soils have been identified at three locations on the Subject Property (see Figure 3), this does not constitute a full characterization of the site soils. If the redevelopment of the Subject Property is going to yield a net export of soils, we would recommend a waste characterization sampling program to characterize those soils slated for export, and better understand potential soil export premiums during construction.

## **7.0 LIMITATIONS**

This Limited Phase II ESI report was completed expressly for AKF Group, LLC for the Subject Property as defined in Section 1.2, for the objectives defined herein for due diligence to assess the potential development of the Subject Property. Langan cannot assume responsibility for the use of this report for any property other than the specific Subject Property addressed in this report or for use by any third party without specific written authorization from Langan. The conclusions, opinions and recommendations given in this report are based on subsurface conditions ascertained from the analysis of a limited number of samples and from environmental reports prepared by other professionals. Recommendations given are contingent upon one another and no recommendation should

be followed independent of the others. Actual conditions encountered may differ substantially from those presented herein and should be brought to our attention so that we may determine how such changes may affect our conclusions, opinions and recommendations.

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# **TABLES**

**Table 1**  
**Summary of Soil Analytical Results**  
**New Lebanon School**  
**25 Mead Avenue**  
**Greenwich, Connecticut**  
**140109002**

Parameters	Sample ID Sampling Date Depth (ft)	Residential Direct Exposure Criteria	Industrial/Commercial Direct Exposure Criteria	GB Pollution Mobility Criteria	SB-1 8/11/2014 4 to 5	DUP (SB-1) 8/11/2014 4 to 5	SB-2 8/11/2014 5 to 6	SB-3 8/11/2014 0 to 1	SB-3 8/11/2014 10 to 11	SB-4 8/11/2014 4 to 5	SB-5 8/11/2014 2 to 3
<b>VOCs (mg/kg)</b>											
1,1,1-Trichloroethane	500	1,000	40	ND<0.0047	ND<0.0044	ND<0.0057	ND<0.0054	ND<0.0048	0.0082	ND<0.0048	
1,2,4-Trimethylbenzene	500**	1,000**	2.4**	ND<0.0047	ND<0.0044	ND<0.0057	ND<0.0054	ND<0.0048	0.012	ND<0.0048	
2-Butanone	500	1,000	80	ND<0.0047	ND<0.0044	ND<0.0057	ND<0.0054	0.0048	0.014	ND<0.0048	
Acetone	500	1,000	140	ND<0.0094	ND<0.0088	0.4 E	0.11	0.66 E	0.09	ND<0.0095	
Ethyl Benzene	500	1,000	10.1	ND<0.0047	ND<0.0044	ND<0.0057	ND<0.0054	0.044	ND<0.0052	0.01	
o-Xylene	~	~	~	ND<0.0047	ND<0.0044	ND<0.0057	0.0081	0.08	0.0065	0.026	
p- & m- Xylenes	~	~	~	ND<0.0094	ND<0.0088	ND<0.011	0.016	0.19	0.01	0.053	
Total Xylenes	500	1,000	19.5	ND<0.0094	ND<0.0088	ND<0.011	0.024	0.27	0.017	0.079	
Trichloroethylene	56	520	1	ND<0.0047	ND<0.0044	ND<0.0057	ND<0.0054	ND<0.0048	0.043	ND<0.0048	
<b>SVOCs (mg/kg)</b>											
Benzole[anthracene	1	7.8	1	ND<0.296	ND<0.302	ND<0.26	ND*<1.28	ND*<2.63	ND*<1.4	ND<0.548	
Benzol[al]pyrene	1	1	1	ND<0.296	ND<0.302	ND<0.26	ND*<1.28	ND*<2.63	ND*<1.4	ND<0.548	
Benzol[b]fluoranthene	1	7.8	1	ND<0.296	ND<0.302	ND<0.26	ND*<1.28	ND*<2.63	ND*<1.4	ND<0.548	
Bis(2-chloroethyl)ether	1	5.2	2.4	ND<0.296	ND<0.302	ND<0.26	ND*<1.28	ND*<2.63	ND*<1.4	ND<0.548	
Fluoranthene	1,000	2,500	56	ND<0.296	ND<0.302	ND<0.26	ND<1.28	ND<2.63	2.29 D	ND<0.548	
Hexachlorobenzene	1	3.6	1	ND<0.296	ND<0.302	ND<0.26	ND*<1.28	ND*<2.63	ND*<1.4	ND<0.548	
Phenanthrene	1,000	2,500	40	ND<0.296	ND<0.302	ND<0.26	ND<1.28	ND<2.63	1.64 D	ND<0.548	
Pyrene	1,000	2,500	40	ND<0.296	ND<0.302	ND<0.26	ND<1.28	ND<2.63	1.84 D	ND<0.548	
<b>Herbicides (mg/kg)</b>											
	~	~	~	NE	NE	NE	NE	NE	NE	NE	NE
<b>Pesticides (mg/kg)</b>											
4,4'-DDD	1.7**	23.8**	0.01**	ND<0.00195	ND<0.002	ND<0.00172	0.00327	ND<0.00173	ND<0.00185	0.00232 D	
4,4'-DDE	1.2**	16.6**	0.01**	ND<0.00195	ND<0.002	ND<0.00172	0.00811	0.00645 D	ND<0.00185	0.0257 D	
4,4'-DDT	1.2**	16.8**	0.01**	ND<0.00195	ND<0.002	ND<0.00172	0.0357	0.0183 D	ND<0.00185	0.0142 D	
Chlordane, total	0.49	2.2	0.066	ND<0.0078	ND<0.00799	ND<0.00687	0.0372	0.0342 D	0.066 D	ND<0.00724	
<b>PCBs (mg/kg)</b>											
Total PCBs	1	10	0.005	ND<0.0296	ND<0.0302	ND*<0.026	ND*<0.0257	ND*<0.0263	ND*<0.0281	ND*<0.0274	
<b>ETPH (mg/kg)</b>											
	500	2,500	2,500	12	12.1	10.4	74.7	60.7	343	36.6	
<b>Metals (mg/kg)</b>											
Antimony	27	8,200	~	ND<0.591	ND<0.605	1.05	ND<0.514	ND<0.526	ND<0.561	ND<0.548	
Arsenic	10	10	~	4.56	4.98	4.48	4.76	3.86	3.01	4.7	
Barium	4,700	140,000	~	88.4	68.5	262	156	163	57.2	237	
Beryllium	2	2	~	ND<0.118	ND<0.121	ND<0.104	ND<0.103	ND<0.105	ND<0.112	ND<0.11	
Chromium	4,000	51,100	~	28.2	27.8	111	44.5	51	21.5	70	
Copper	2,500	76,000	~	16.8	19.9	24.8	20.4	22.9	21.2	27.8	
Lead	500	1,000	~	11.2	10.8	4.76	36.5	26.6	28.2	27.5	
Nickel	1,400	7,500	~	19.5	19.5	45.5	24.5	27	13.9	38	
Selenium	340	10,000	~	2.61	2.67	1.24	ND<1.03	1.28	ND<1.12	1.43	
Vanadium	470	14,000	~	39.6	43.2	60	36.4	42.1	25.3	57.5	
Zinc	20,000	610,000	~	42.7	39.9	51.1	55.8	61.7	44.8	79.7	
Mercury	20	610	~	0.0372	0.0773	ND<0.0312	0.043	0.0526	0.0409	0.0504	

**NOTES:**

NA = Not analyzed

NE = No exceedance of criteria

ND = Not detected

ND\* = Reporting limit above criteria

D = result is from an analysis that required a dilution

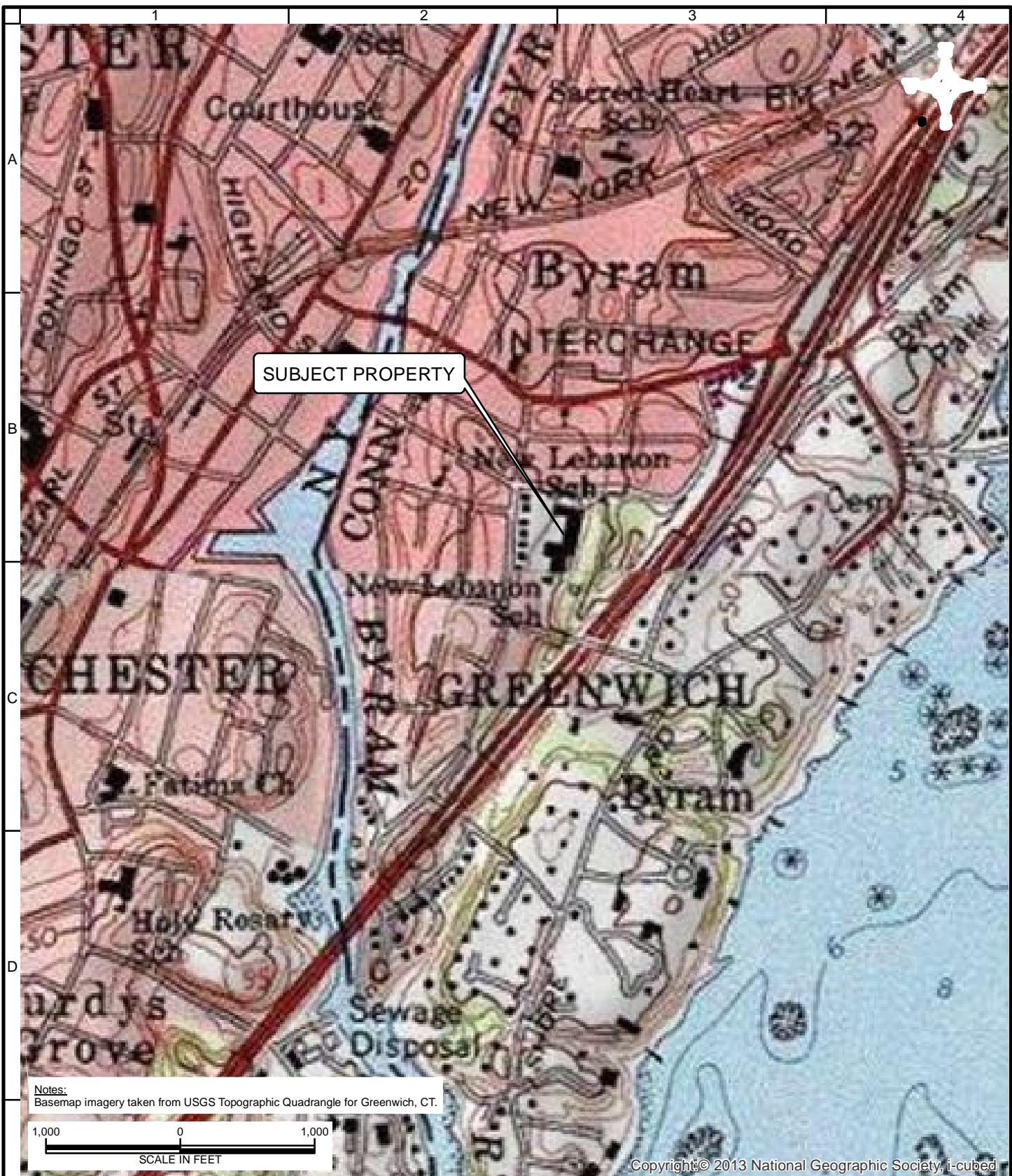
E = result is estimated and cannot be accurately reported due to levels encountered or interferences

~ = this indicates that no regulatory limit has been established for this analyte

\*\* = For those compounds that do not have certain criteria established within the CTDEEP RSRs effective January 30, 1996, additional pollutant substance criteria must be requested for approval by the CTDEEP. The data was compared to the criteria listed in the 2008 Proposed Revisions to the Connecticut Remediation Standard Regulations and the July 2012 Technical Support Document titled "Extractable Petroleum Hydrocarbon Fractions Using the ETPH Analytical Method and Criteria Development".

1) Acetone was detected in the Trip Blank at a concentration of 4 µg/L with a tag of B, meaning the analyte was found in the associated batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

# **FIGURES**



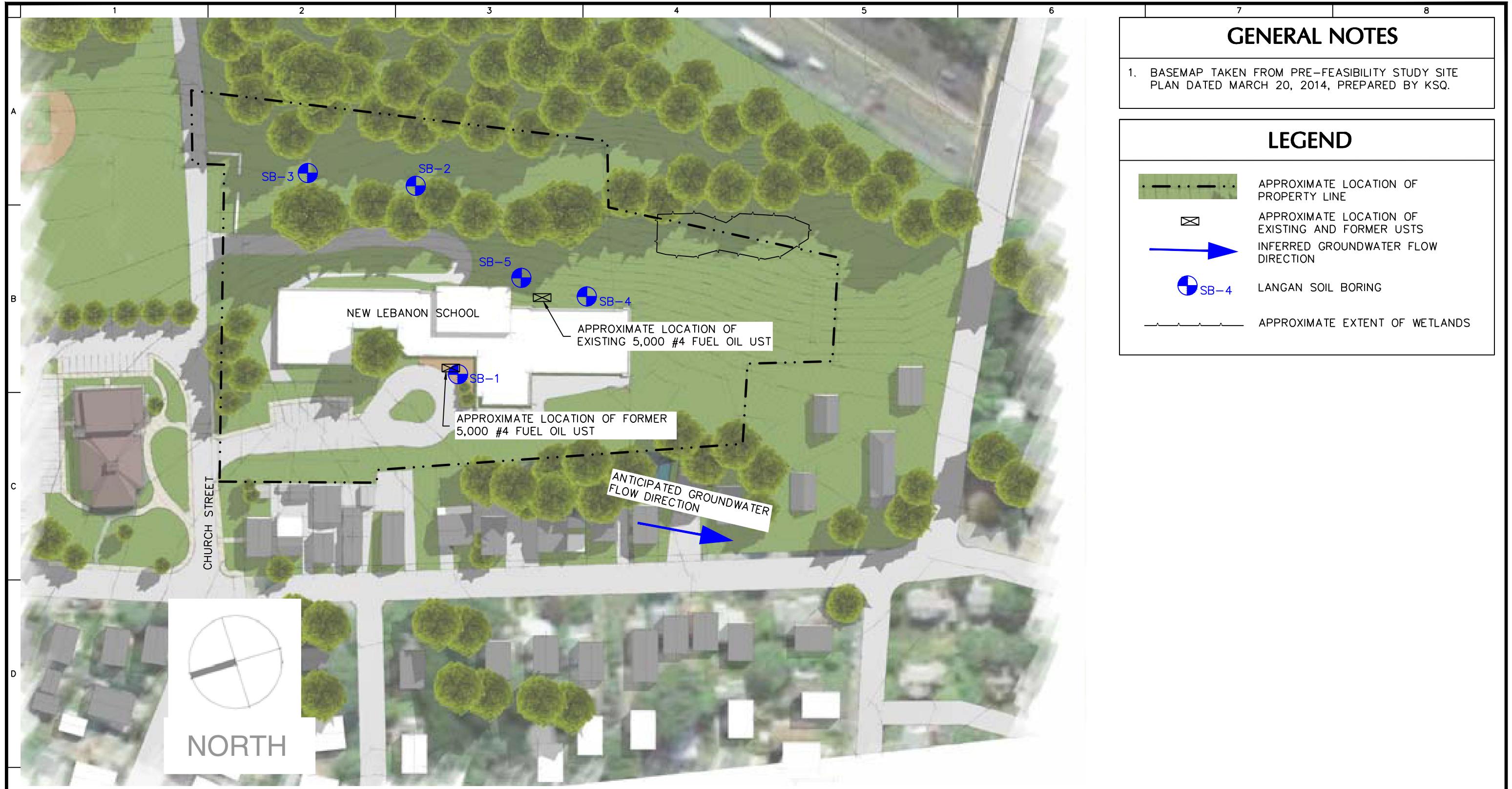
**LANGAN**  
ENGINEERING & ENVIRONMENTAL SERVICES  
555 Long Wharf Drive  
New Haven, CT 06511-6107  
T: 203.562.5771 F: 203.789.6142  
[www.langan.com](http://www.langan.com)  
NEW JERSEY NEW YORK VIRGINIA CALIFORNIA  
PENNSYLVANIA CONNECTICUT FLORIDA  
ABU DHABI ATHENS DOHA  
DUBAI ISTANBUL

Project  
**NEW LEBANON  
SCHOOL**  
25 MEAD AVENUE  
GREENWICH  
FAIRFIELD COUNTY CONNECTICUT

Drawing Title  
**SITE LOCATION  
PLAN**

Project No.	140109002
Date	9/4/2014
Scale	1"=1,000'
Drawn By	IHG
Submission Date	9/4/2014

1



**LANGAN**

555 Long Wharf Drive  
New Haven, CT 06511  
T: 203.562.5771 F: 203.789.6142 www.langan.com  
Langan Engineering, Environmental, Surveying and  
Landscape Architecture, D.P.C.  
Langan Engineering and Environmental Services, Inc.  
Langan CT, Inc.  
Langan International LLC  
Collectively known as Langan

100 0 50 100  
SCALE IN FEET

Project

**NEW LEBANON  
SCHOOL**  
25 MEAD AVENUE  
GREENWICH  
FAIRFIELD COUNTY  
CONNECTICUT

Drawing Title

**SITE LAYOUT  
MAP**

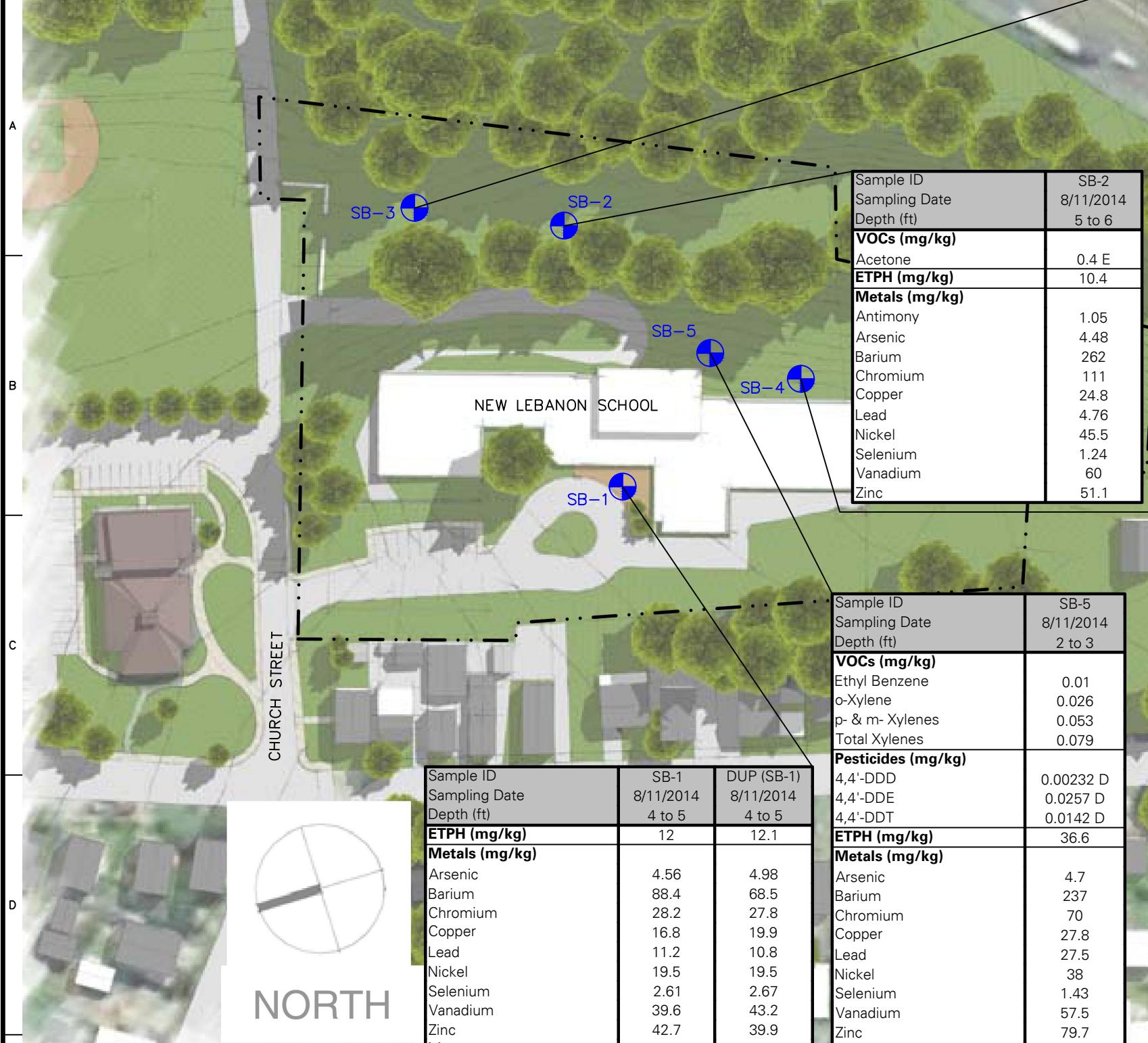
Project No.	140109002	Drawing No.	
Date	MARCH 2015		
Scale	1"=100'		
Drawn By	HHG	Checked By	RJW
Submission Date	MARCH 2015		

**2**

Sheet 2 of 3

1 2 3 4

7 8



Sample ID	SB-3	SB-3
Sampling Date	8/11/2014	8/11/2014
Depth (ft)	0 to 1	10 to 11
<b>VOCs (mg/kg)</b>		
2-Butanone	ND<0.0054	0.0048
Acetone	0.11	0.66 E
Ethyl Benzene	ND<0.0054	0.044
o-Xylene	0.0081	0.08
p- & m- Xylenes	0.016	0.19
Total Xylenes	0.024	0.27
<b>Pesticides (mg/kg)</b>		
4,4'-DDD	0.00327	ND<0.00173
4,4'-DDE	0.00811	0.00645 D
4,4'-DDT	0.0357	0.0183 D
Chlordane, total	0.0372	0.0342 D
<b>ETPH (mg/kg)</b>	74.7	60.7
<b>Metals (mg/kg)</b>		
Antimony	1.05	3.86
Arsenic	4.48	163
Barium	262	51
Chromium	111	22.9
Copper	24.8	26.6
Lead	4.76	27
Nickel	45.5	1.28
Selenium	1.24	42.1
Vanadium	60	61.7
Zinc	51.1	0.0526

<b>LEGEND</b>	
• - - - - -	APPROXIMATE LOCATION OF PROPERTY LINE
	LANGAN SOIL BORING
<b>GENERAL NOTES</b>	

1. BASEMAP TAKEN FROM PRE-FEASIBILITY STUDY SITE PLAN DATED MARCH 20, 2014, PREPARED BY KSQ.

2. D = RESULT IS FROM AN ANALYSIS THAT REQUIRED DILUTION

3. E = RESULT IS ESTIMATED AND CANNOT BE ACCURATELY REPORTED DUE TO LEVELS ENCOUNTERED OR INTERFERENCE

Analyte	Residential Direct Exposure Criteria	Ind./Comm. Direct Exposure Criteria	GB Pollution Mobility Criteria
<b>VOCs (mg/kg)</b>			
1,1,1-Trichloroethane	500	1,000	40
1,2,4-Trimethylbenzene	500**	1,000**	2.4**
2-Butanone	500	1,000	80
Acetone	500	1,000	140
Ethyl Benzene	500	1,000	10.1
o-Xylene	~	~	~
p- & m- Xylenes	~	~	~
Total Xylenes	500	1,000	19.5
Trichloroethylene	56	520	1
<b>SVOCs (mg/kg)</b>			
Fluoranthene	1,000	2,500	56
Phenanthrene	1,000	2,500	40
Pyrene	1,000	2,500	40
<b>Pesticides (mg/kg)</b>			
4,4'-DDD	1.7**	23.8**	0.01**
4,4'-DDE	1.2**	16.8**	0.01**
4,4'-DDT	1.2**	16.8**	0.01**
Chlordane, total	0.49	2.2	0.066
<b>ETPH (mg/kg)</b>			
	500	2,500	2,500
<b>Metals (mg/kg)</b>			
Antimony	27	8,200	~
Arsenic	10	10	~
Barium	4,700	140,000	~
Chromium	4,000	51,100	~
Copper	2,500	76,000	~
Lead	500	1,000	~
Nickel	1,400	7,500	~
Selenium	340	10,000	~
Vanadium	470	14,000	~
Zinc	20,000	610,000	~
Mercury	20	610	~

Project No.	Drawing No.
140109002	
Date	
MARCH 2015	
Scale	
1"=100'	
Drawn By	Checked By
HHG	RJW
Submission Date	
MARCH 2015	

Sheet 3 of 3

3

**Project**  
**NEW LEBANON SCHOOL**  
25 MEAD AVENUE  
GREENWICH  
FAIRFIELD COUNTY CONNECTICUT

**Drawing Title**  
**SOIL ANALYTICAL RESULTS MAP**

**Drawing No.**

**3**

## **APPENDIX A**

# **GEOPHYSICAL SURVEY REPORT**

# **GEOPHYSICAL ENGINEERING SURVEY REPORT**

NEW LEBABNON SCHOOL  
25 MEAD AVENUE  
GREENWICH, CONNECTICUT 06830

## **NOVA PROJECT NUMBER**

14-0338

## **DATED**

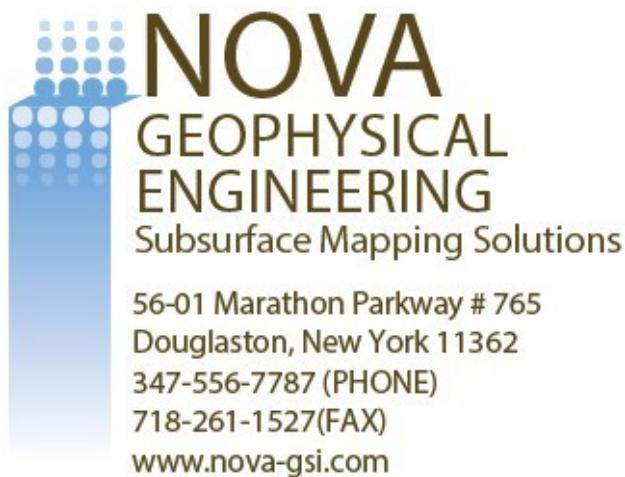
AUGUST 22, 2014

## **PREPARED FOR:**

***LANGAN***

Long Warf Maritime Center –  
555 Long Warf Drive  
New Haven, CT 06511

## **PREPARED BY:**



56-01 Marathon Parkway # 765  
Douglaston, New York 11362  
347-556-7787 (PHONE)  
718-261-1527(FAX)  
[www.nova-gsi.com](http://www.nova-gsi.com)

# NOVA GEOPHYSICAL SERVICES

## SUBSURFACE MAPPING SOLUTIONS

56-01 Marathon Parkway, # 765, Douglaston, New York 11362  
Ph. 347-556-7787 Fax. 718-261-1527  
[www.nova-gsi.com](http://www.nova-gsi.com)

---

August 22, 2014

Ryan J Wohlstrom, P.E. LEED AP

Project Engineer

**LANGAN**

Long Warf Maritime Center –

555 Long Warf Drive

New Haven, CT 06511

Direct: 203.784.3069

Mobile: 203.464.2731

Re: Geophysical Engineering Survey (GES) Report

New Lebanon School

25 Mead Avenue

Greenwich, Connecticut 06830

Dear Mr. Wohlstrom:

Nova Geophysical Services (NOVA) is pleased to provide findings of the geophysical engineering survey (GES) at the above referenced project site: 25 Mead Avenue, Greenwich, New York (the "Site"). Please see attached Site Location and Geophysical Survey maps for more details.

## **INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)**

---

NOVA performed a Geophysical engineering surveys (GES) consisting of Ground Penetrating Radar (GPR) and Electromagnetic (EM) surveys at the project Site. The purpose of this survey is to locate and identify USTs, anomalies, utilities and other substructures and to clear and mark proposed environmental boring areas on August 11<sup>th</sup>, 2014.

The equipment selected for this investigation was an Electromagnetic Utility Detector (EUD-3) and Noggin's 250 MHz ground penetrating radar (GPR) shielded antenna.

A GPR system consists of a radar control unit, control cable and a transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulses into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

GPR, Magnetics, Electromagnetics, Seismic, Resistivity, Utility Location, Borehole Logging & Camera



## GEOPHYSICAL METHODS

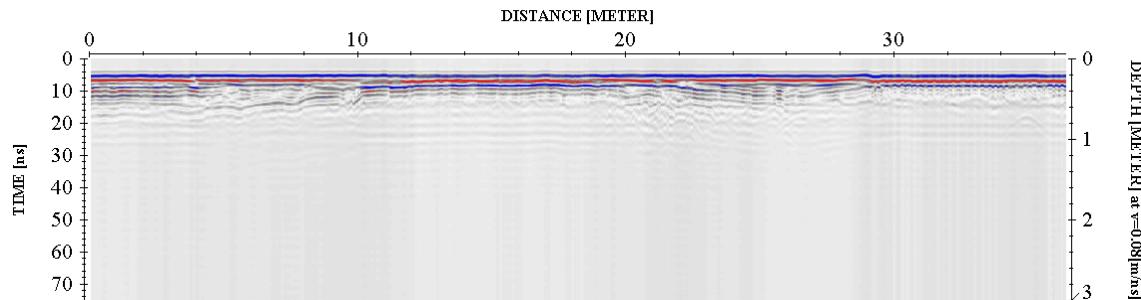
The project site was first screened using the Geonics(tm) electromagnetic detector by carrying the instrument over the project area at the site in 4' x 4' traverses. Finally, GPR profiles were collected over each anomaly and inspected for reflections, which could be indicative of major anomalies and substructures. Nova performed full scale multi-frequency GPR surveys for the targeted depths of approximately 3 to 15 feet below ground surface (bgs) pending quality of the data and sediments settings.

GPR data profiles were collected for the areas of the Site specified by the client. The surveyed areas consisted of paved and none paved areas.

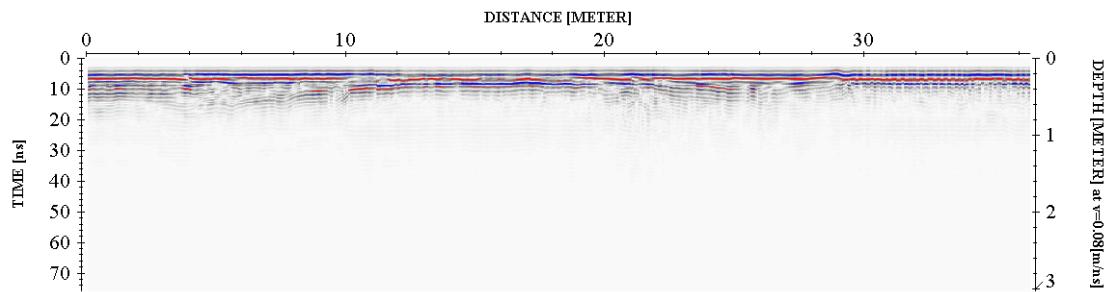
## DATA PROCESSING

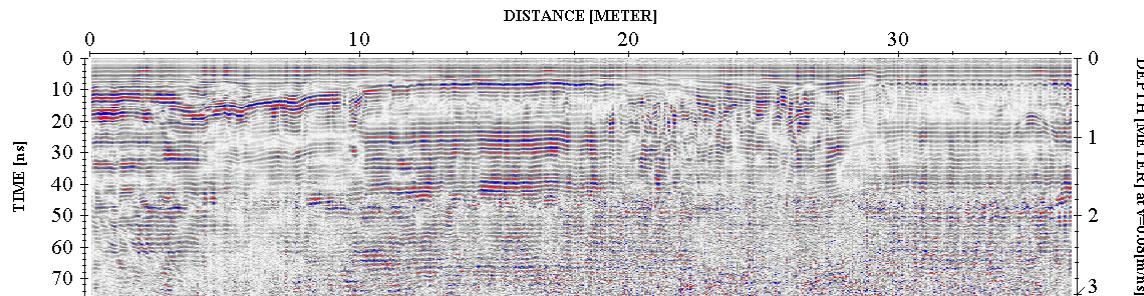
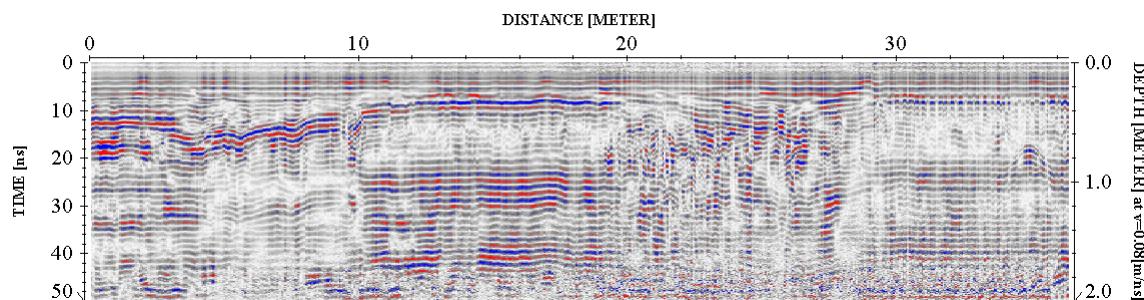
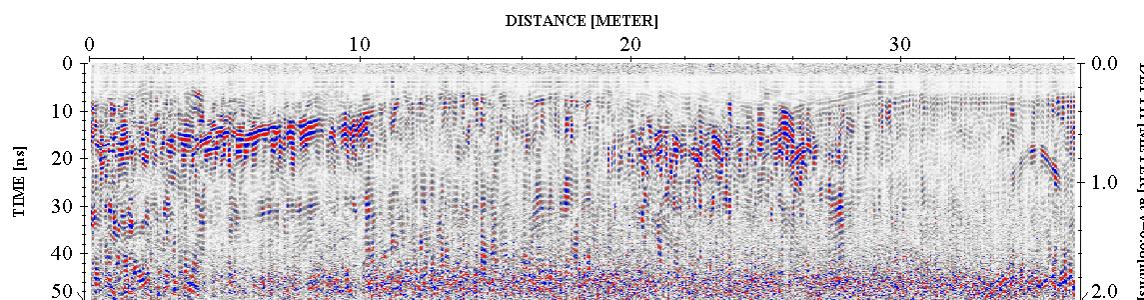
In order to improve the quality of the results and to better identify subsurface anomalies NOVA processed the collected data. The processes flow is briefly described at this section.

### Step 1. Import raw RAMAC data to standard processing format



### Step 2. Remove instrument noise (dewow)



**Step 3.** Correct for attenuation losses (*energy decay function*)**Step 4.** Remove static from bottom of profile (*time cut*)**Step 5.** Mute horizontal ringing/noise (*subtracting average*)

The above example shows the significance of data processing. The last image (step 5) has higher resolution than the starting image (raw data – step 1) and describes the subsurface anomalies more accurately.

**PHYSICAL SETTINGS**

Nova observed following physical conditions at the time of the survey:

**The weather:** Mostly Cloudy and Rain.

**Temp:** 74 Degrees (F).

**Surface:** Paved (concrete-asphalt) & none paved.

GPR, Magnetics, Electromagnetics, Seismic, Resistivity, Utility Location, Borehole Logging & Camera

**GEOPHYSICAL ENGINEERING SURVEY/GES REPORT**

New Lebanon School

25 Mead Avenue

Greenwich, CT 06830

---

**Geophysical Noise Level (GNL):** Geophysical Noise Level (GNL) was low to medium at the time of the survey due to on-site on-going businesses which, created geophysical noise activities. Therefore no quality EM data was collected or analyzed and GPR data was limited.

## **RESULTS**

---

The results of the geophysical engineering survey (GES) identified following at the project Site:

- GES identified a major anomaly located along the eastern portion of the project site building. Based on its reflection rate and proximity, this anomaly was approximately 20 feet long by 8 feet in diameter and consistent with an UST. Nova also observed a fill port and a vent pipe which were associated with this anomaly.
- GES identified disturbed soil area along the western portion of the project site. However, no EM data was available and disturbances identified with the GPR was not consistent with any major anomaly.
- GES identified scattered anomalies consistent with fill materials. All of the identified scattered anomalies were clearly marked during the field survey.
- GES identified minor anomalies located throughout of the project area. Based on their reflection rates and their proximity (approximately 2 to 5 feet bgs) they were consistent with subsurface utility lines.
- Nova cleared and marked all of the proposed boring locations at the time of the survey.
- Geophysical Survey Plan portrays the areas investigated during the geophysical survey.

If you have any questions please do not hesitate to contact the undersigned.

Sincerely,

**NOVA Geophysical Services**



Levent Eskicakit, P.G., E.P.  
Project Engineer

**Attachments:**

Figure 1 Site Location Map  
Geophysical Survey Plan  
Geophysical Images

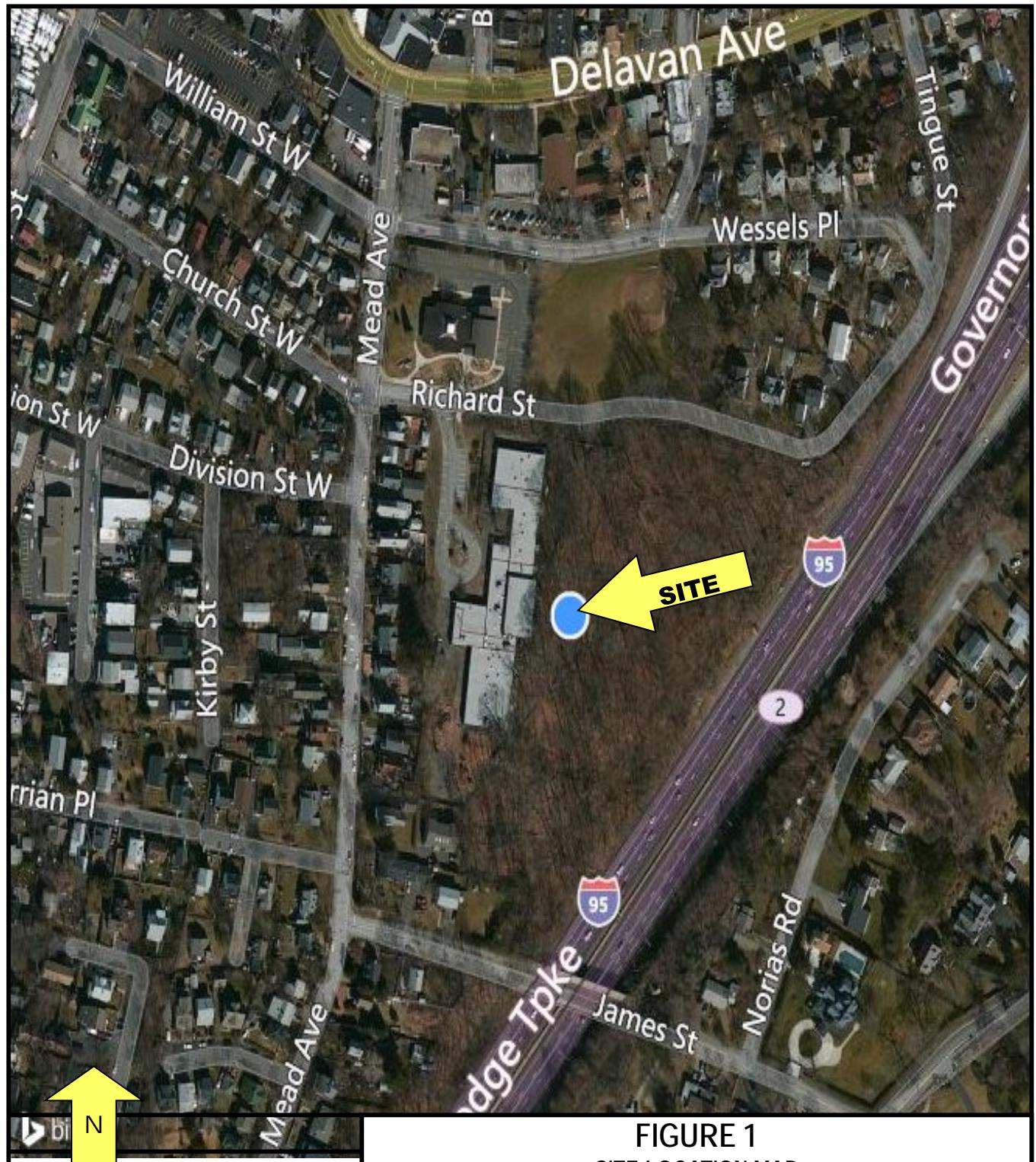


FIGURE 1  
SITE LOCATION MAP

**NOVA**

Geophysical Services

Subsurface Mapping Solutions

56-01 Marathon Pkwy, # 765, Douglaston, NY11362  
(347) 556-7787 Fax (718) 261-1528

[www.nova-gsi.com](http://www.nova-gsi.com)

**SITE:**

New Lebanon School  
25 Mead Avenue  
Greenwich, Connecticut 06830

**SCALE:**

See Map



NOVA Geophysical Services	GEOPHYSICAL SURVEY	INFORMATION
<p><b>Subsurface Mapping Solutions</b> 56-01 Marathon Parkway, # 765 Douglaston, New York11362 Phone (347) 556-7787 * Email <a href="mailto:info@nova-gsi.com">info@nova-gsi.com</a> <a href="http://www.nova-gsi.com">www.nova-gsi.com</a></p>	<p><b>SITE :</b> New Lebanon School 25 Mead Avenue, Greenwich, CT</p> <p><b>CLIENT:</b> Langan Engineering &amp; Environmental Services</p> <p><b>DATE:</b> August 11<sup>th</sup> 2014</p> <p><b>Scale</b> See Map</p>	<p>Project Area</p> <p>Major Anomaly (UST)</p> <p>Scattered Anomalies</p> <p>Underground Utilities/Pipes</p> <p>Evidence of Disturbed Soil</p> <p>Geophysical Noise Areas (NO DATA)</p>

**GEOPHYSICAL IMAGES**

**Lebanon School**

25 Mead Avenue, Greenwich, Connecticut

August 11<sup>th</sup>, 2014



**GEOPHYSICAL IMAGES**

**Lebanon School**

25 Mead Avenue, Greenwich, Connecticut

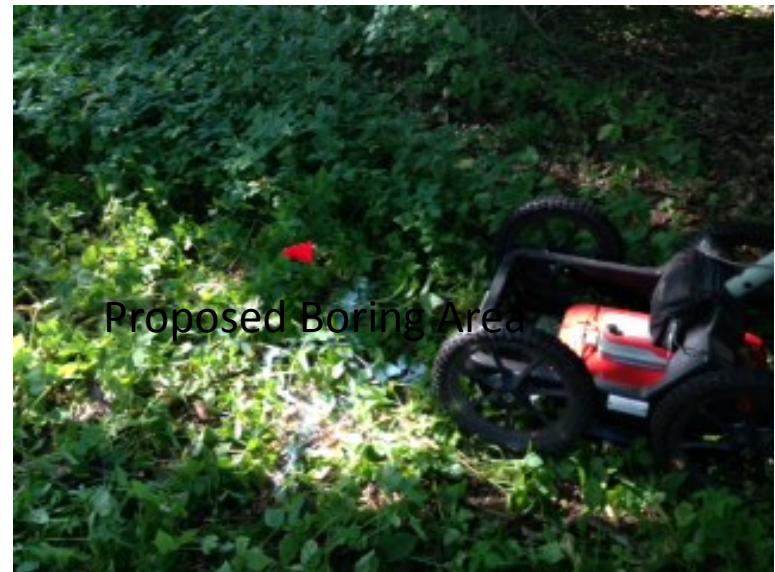
August 11<sup>th</sup>, 2014



Proposed Boring Area



Proposed Boring Area



Proposed Boring Area

**GEOPHYSICAL IMAGES**

Lebanon School

25 Mead Avenue, Greenwich, Connecticut

August 11<sup>th</sup>, 2014



# **APPENDIX B**

# **SOIL BORING LOGS**

PROJECT	New Lebanon School			PROJECT NO.	140109001		
LOCATION	25 Mead Avenue, Greenwich, CT			ELEVATION AND DATUM			
DRILLING AGENCY	American Environmental			DATE STARTED	8.11.14		
DRILLING EQUIPMENT	Geoprobe 7822 DT			COMPLETION DEPTH	8'	ROCK DEPTH	8'
SIZE AND TYPE OF BIT				NO. SAMPLES	DIST. 1	UNDIST.	CORE
CASING				WATER LEVEL	FIRST	COMPL.	24 HR.
CASING HAMMER	WEIGHT	DROP		FOREMAN	Floyd		
SAMPLER	2" OD Macro Core			INSPECTOR	H. Griesbach		
SAMPLER HAMMER	WEIGHT	DROP					
PID (ppm)	SAMPLE DESCRIPTION		DEPTH SCALE	N. LOC.	SAMPLES	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)	
0.0	6" Asphalt Red to orange M-F SAND, sm-silt, sm-clay, tr-f-gravel [FILL]			1		no staining, no odor	
	Intrusion of white rock @ 2'			2			
				3	S-1 MC 34/60		
				4			
				5	(dry)		
				6		915 sample 4-5' (dup)	
0.0	Orange to brown C-F SAND, sm-clay, sm-f-gravel			7		no staining, no odor	
	Intrusion of white rock @ 7'			8	VS-1 MC 28/60		
				9			
				10	(dry)		
				11			
				12			
				13			
				14			

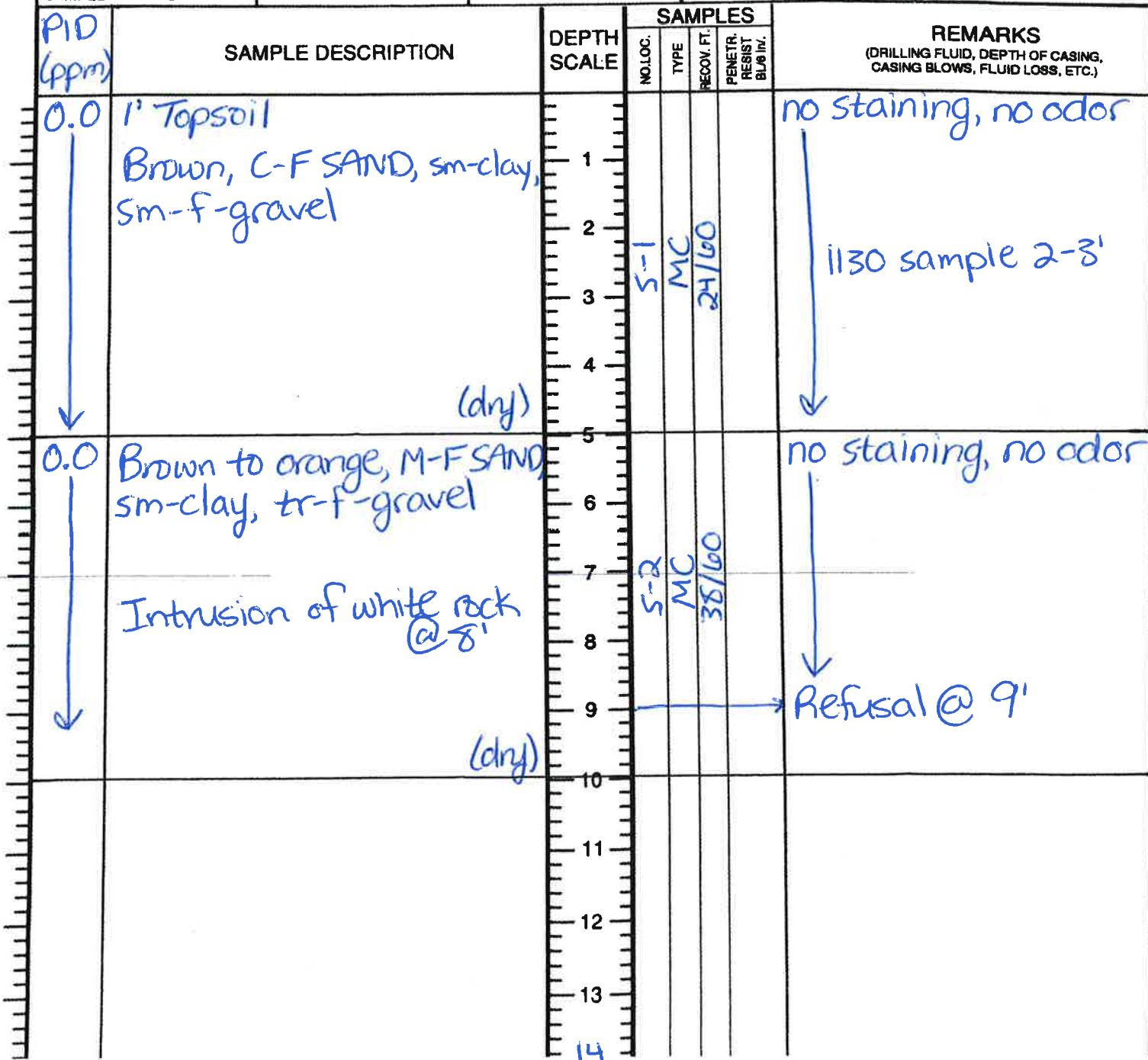
PROJECT	New Lebanon School		PROJECT NO.	140109001		
LOCATION	25 Mead Avenue, Greenwich, CT		ELEVATION AND DATUM			
DRILLING AGENCY	American Environmental		DATE STARTED	8.11.14	DATE FINISHED	8.11.14
DRILLING EQUIPMENT	Geoprobe 7822 DT		COMPLETION DEPTH	9.5'	ROCK DEPTH	9.5'
SIZE AND TYPE OF BIT			NO. SAMPLES	DIST. 1	UNDIST.	CORE
CASING			WATER LEVEL	FIRST	COMPL.	24 HR.
CASING HAMMER	WEIGHT	DROP	FOREMAN	Floyd		
SAMPLER	2" OD Macro Core		INSPECTOR	H. Griesbach		
SAMPLER HAMMER	WEIGHT	DROP				

PID (ppm)	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC.	TYPE	REC'D. FT.	PENETR. RESIST. BLK IN.	
0.0	6" Topsoil Brown C-F SAND, tr-organics sm-f-gravel		1				no staining, no odor
			2				
			3	S-1	MC	35/60	
			4				
			5				
			6				
4.7	5-6' Light brown C-F SAND, sm-f-gravel, tr-silt		7				no staining, no odor 1005 sample 5-6'
6.0	6-9.5' Orange to grey CLAY, sm-f-sand, tr-f-gravel		8				
			9				
			10				
			11				
			12				
			13				
			14				

PROJECT	New Lebanon School		PROJECT NO.	140109001		
LOCATION	25 Mead Avenue, Greenwich, CT		ELEVATION AND DATUM			
DRILLING AGENCY	American Environmental		DATE STARTED	8.11.14		DATE FINISHED
DRILLING EQUIPMENT	Geoprobe 7822 DT		COMPLETION DEPTH	14.5'		ROCK DEPTH
SIZE AND TYPE OF BIT			NO. SAMPLES	DIST.	UNDIST.	CORE
CASING			WATER LEVEL	FIRST	—	COMPL.
CASING HAMMER	WEIGHT	DROP	FOREMAN	Floyd		
SAMPLER 2" OD Macro core			INSPECTOR	H. Griesbach		
SAMPLER HAMMER	WEIGHT	DROP				
PbD (ppm)	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES			REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC.	TYPE	RECOV. FT. IN.	
4.8	6" Topsoil					no staining, no odor 1025 sample 0-1'
0.0	Brown to grey, C-F SAND, sm-f-gravel, tr-silt, tr-clay		1			
			2			
			3	15	Σ 35/60	
			4			
			5			
			6			
			7			
			8	75	Σ 47/60	
			9			
			10			
			11			
			12	15	Σ 24/60	
			13			
			14			
						Refusal @ 14.5'
						(slightly moist)

PROJECT New Lebanon School		PROJECT NO. 140109001					
LOCATION 25 Mead Avenue, Greenwich, CT		ELEVATION AND DATUM					
DRILLING AGENCY American Environmental		DATE STARTED 8.11.14 DATE FINISHED 8.11.14					
DRILLING EQUIPMENT Geoprobe 7822 DT		COMPLETION DEPTH 8' ROCK DEPTH 8'					
SIZE AND TYPE OF BIT							
CASING							
CASING HAMMER	WEIGHT	DROP					
SAMPLER 2" OD Macro Core		FOREMAN Floyd					
SAMPLER HAMMER	WEIGHT	DROP					
INSPECTOR H. Griesbach							
P.D. (ppm)	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES				REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			NO. LOC.	TYPE	REC'D FT.	PENETR. BLW/IN.	
0.0	1" Topsoil Grey to white C-F SAND, tr-clay, sm-f-gravel, tr-brick [FILL]		1				no staining, no odor
4.5			2				
0.0			3	VS	MC	48/60	
3.9			4				
1.2			5				
0.0			6				
3.9	Grey to brown, C-F SAND, sm-f-gravel, tr-silt		7	VS	CO	20/60	no staining, no odor
1.2			8				Refusal @ 8'
0.0			9				
			10				
			11				
			12				
			13				
			14				

PROJECT	New Lebanon School		PROJECT NO.	140109001			
LOCATION	25 Mead Avenue, Greenwich, CT		ELEVATION AND DATUM				
DRILLING AGENCY	American Environmental		DATE STARTED	8.11.14		DATE FINISHED	8.11.14
DRILLING EQUIPMENT	Geoprobe 7822 DT		COMPLETION DEPTH	9'		ROCK DEPTH	9'
SIZE AND TYPE OF BIT			NO. SAMPLES	DIST.	1	UNDIST.	CORE
CASING			WATER LEVEL	FIRST	—	COMPL.	24 HR.
CASING HAMMER	WEIGHT	DROP	FOREMAN	Floyd			
SAMPLER	2" OD Macro Core		INSPECTOR	H. Griesbach			
SAMPLER HAMMER	WEIGHT	DROP					



# **APPENDIX C**

# **LABORATORY REPORTS**



# Technical Report

prepared for:

**Langan Engineering & Environmental Services (CT)**  
Long Wharf Maritime Center, 555 Long Wharf Drive  
New Haven CT, 06511  
**Attention: Hannah Griesbach**

Report Date: 03/03/2015

**Client Project ID: New Lebanon School**

York Project (SDG) No.: 14H0523

Revision No. 3.0

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 03/03/2015  
Client Project ID: New Lebanon School  
York Project (SDG) No.: 14H0523

**Langan Engineering & Environmental Services (CT)**  
Long Wharf Maritime Center, 555 Long Wharf Drive  
New Haven CT, 06511  
Attention: Hannah Griesbach

---

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 11, 2014 and listed below. The project was identified as your project: **New Lebanon School**.

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

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

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

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

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

<b>York Sample ID</b>	<b>Client Sample ID</b>	<b>Matrix</b>	<b>Date Collected</b>	<b>Date Received</b>
14H0523-01	SB-1 4-5'	Soil	08/11/2014	08/11/2014
14H0523-02	SB-2 5-6'	Soil	08/11/2014	08/11/2014
14H0523-03	SB-3 10-11'	Soil	08/11/2014	08/11/2014
14H0523-04	SB-4 4-5'	Soil	08/11/2014	08/11/2014
14H0523-05	SB-5 2-3'	Soil	08/11/2014	08/11/2014
14H0523-10	DUP	Soil	08/11/2014	08/11/2014
14H0523-11	TB-1	Water	08/11/2014	08/11/2014

## **General Notes for York Project (SDG) No.: 14H0523**

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

**Approved By:**



**Date:** 03/03/2015

Benjamin Gulizia  
Laboratory Director





## Sample Information

**Client Sample ID:** SB-1 4-5'

**York Sample ID:** 14H0523-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14H0523	New Lebanon School	Soil	August 11, 2014 9:15 am	08/11/2014

### Volatile Organics, CT RCP List

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Log-in Notes:		Analyst
									Date/Time Prepared	Date/Time Analyzed	
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
67-64-1	Acetone	ND		ug/kg dry	2.3	9.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS



## Sample Information

**Client Sample ID:** SB-1 4-5'

**York Sample ID:** 14H0523-01

**York Project (SDG) No.**

14H0523

**Client Project ID**

New Lebanon School

**Matrix**

Soil

**Collection Date/Time**

August 11, 2014 9:15 am

**Date Received**

08/11/2014

### Volatile Organics, CT RCP List

Sample Prepared by Method: EPA 5035A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
80-62-6	Methyl Methacrylate	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.3	9.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.3	9.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.7	9.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
100-42-5	Styrene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
109-99-9	Tetrahydrofuran	ND		ug/kg dry	4.7	9.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
108-88-3	Toluene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:11	SS



## Sample Information

<b>Client Sample ID:</b> SB-1 4-5'		<b>York Sample ID:</b> 14H0523-01
York Project (SDG) No. 14H0523	Client Project ID New Lebanon School	Matrix Soil Collection Date/Time August 11, 2014 9:15 am Date Received 08/11/2014

### Volatile Organics, CT RCP List

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
<b>Surrogate Recoveries</b>											
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %				67-130					
460-00-4	Surrogate: p-Bromofluorobenzene	97.5 %				75-127					
2037-26-5	Surrogate: Toluene-d8	103 %				90-112					

### Semi-Volatiles, CT RCP BNA List

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
62-53-3	Aniline	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
120-12-7	Anthracene	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	148	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	148	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	148	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
218-01-9	Chrysene	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	148	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
86-74-8	Carbazole	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR



## Sample Information

**Client Sample ID:** SB-1 4-5'

**York Sample ID:** 14H0523-01

**York Project (SDG) No.**

14H0523

**Client Project ID**

New Lebanon School

**Matrix**

Soil

**Collection Date/Time**

August 11, 2014 9:15 am

**Date Received**

08/11/2014

### Semi-Volatiles, CT RCP BNA List

Sample Prepared by Method: EPA 3545A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	148	591	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	296	591	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	148	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
206-44-0	Fluoranthene	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
86-73-7	Fluorene	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	148	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
78-59-1	Isophorone	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
90-12-0	1-Methylnaphthalene	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	148	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	148	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
91-20-3	Naphthalene	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	148	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	148	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	148	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
82-68-8	Pentachloronitrobenzene	ND		ug/kg dry	148	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	148	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
85-01-8	Phenanthrene	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
108-95-2	Phenol	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
129-00-0	Pyrene	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
110-86-1	Pyridine	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	148	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR



## Sample Information

**Client Sample ID:** SB-1 4-5'

**York Sample ID:** 14H0523-01

**York Project (SDG) No.**

14H0523

**Client Project ID**

New Lebanon School

**Matrix**

Soil

**Collection Date/Time**

August 11, 2014 9:15 am

**Date Received**

08/11/2014

### Semi-Volatiles, CT RCP BNA List

Sample Prepared by Method: EPA 3545A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	76.8	296	1	EPA 8270D	08/13/2014 14:35	08/14/2014 19:36	SR
<b>Surrogate Recoveries</b>											
367-12-4	<i>Surrogate: 2-Fluorophenol</i>	51.4 %				10-105					
4165-62-2	<i>Surrogate: Phenol-d5</i>	42.8 %				10-118					
4165-60-0	<i>Surrogate: Nitrobenzene-d5</i>	54.5 %				10-140					
321-60-8	<i>Surrogate: 2-Fluorobiphenyl</i>	58.0 %				10-126					
118-79-6	<i>Surrogate: 2,4,6-Tribromophenol</i>	57.3 %				10-150					
1718-51-0	<i>Surrogate: Terphenyl-d14</i>	86.0 %				10-137					

### Pesticides, CT RCP Target List

Sample Prepared by Method: EPA 3545\_A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	08/13/2014 17:00	08/14/2014 10:16	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	08/13/2014 17:00	08/14/2014 10:16	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	08/13/2014 17:00	08/14/2014 10:16	JW
15972-60-8	Alachlor	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	08/13/2014 17:00	08/14/2014 10:16	JW
309-00-2	Aldrin	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	08/13/2014 17:00	08/14/2014 10:16	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	08/13/2014 17:00	08/14/2014 10:16	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	08/13/2014 17:00	08/14/2014 10:16	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.80	7.80	5	EPA 8081B	08/13/2014 17:00	08/14/2014 10:16	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	08/13/2014 17:00	08/14/2014 10:16	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	08/13/2014 17:00	08/14/2014 10:16	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	08/13/2014 17:00	08/14/2014 10:16	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	08/13/2014 17:00	08/14/2014 10:16	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	08/13/2014 17:00	08/14/2014 10:16	JW
72-20-8	Endrin	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	08/13/2014 17:00	08/14/2014 10:16	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	08/13/2014 17:00	08/14/2014 10:16	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	08/13/2014 17:00	08/14/2014 10:16	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	08/13/2014 17:00	08/14/2014 10:16	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	08/13/2014 17:00	08/14/2014 10:16	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.95	1.95	5	EPA 8081B	08/13/2014 17:00	08/14/2014 10:16	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.75	9.75	5	EPA 8081B	08/13/2014 17:00	08/14/2014 10:16	JW
8001-35-2	Toxaphene	ND		ug/kg dry	98.7	98.7	5	EPA 8081B	08/13/2014 17:00	08/14/2014 10:16	JW
<b>Surrogate Recoveries</b>											
<b>Result</b>											
<b>Acceptance Range</b>											



## Sample Information

Client Sample ID: SB-1 4-5'

York Sample ID: 14H0523-01

York Project (SDG) No.  
14H0523

Client Project ID  
New Lebanon School

Matrix  
Soil

Collection Date/Time  
August 11, 2014 9:15 am

Date Received  
08/11/2014

### Pesticides, CT RCP Target List

Sample Prepared by Method: EPA 3545\_A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	114 %				30-140					
877-09-8	Surrogate: Tetrachloro-m-xylene	104 %				30-140					

### Polychlorinated Biphenyls(PCB RCP)

Sample Prepared by Method: EPA 3545\_A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0296	0.0296	1	EPA 8082A	08/13/2014 17:00	08/14/2014 10:36	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0296	0.0296	1	EPA 8082A	08/13/2014 17:00	08/14/2014 10:36	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0296	0.0296	1	EPA 8082A	08/13/2014 17:00	08/14/2014 10:36	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0296	0.0296	1	EPA 8082A	08/13/2014 17:00	08/14/2014 10:36	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0296	0.0296	1	EPA 8082A	08/13/2014 17:00	08/14/2014 10:36	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0296	0.0296	1	EPA 8082A	08/13/2014 17:00	08/14/2014 10:36	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0296	0.0296	1	EPA 8082A	08/13/2014 17:00	08/14/2014 10:36	AMC
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0296	0.0296	1	EPA 8082A	08/13/2014 17:00	08/14/2014 10:36	AMC
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0296	0.0296	1	EPA 8082A	08/13/2014 17:00	08/14/2014 10:36	AMC
1336-36-3	Total PCBs	ND		mg/kg dry	0.0296	0.0296	1	EPA 8082A	08/13/2014 17:00	08/14/2014 10:36	AMC
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
877-09-8	Surrogate: Tetrachloro-m-xylene	91.5 %				30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	57.0 %				30-140					

### Herbicides, CT RCP

Sample Prepared by Method: EPA 3550B/8151A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1918-00-9	Dicamba	ND		ug/kg dry	23.6	23.6	1	EPA 8151A m	08/13/2014 05:58	08/14/2014 15:29	JW
94-75-7	2,4-D	ND		ug/kg dry	23.6	23.6	1	EPA 8151A m	08/13/2014 05:58	08/14/2014 15:29	JW
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	23.6	23.6	1	EPA 8151A m	08/13/2014 05:58	08/14/2014 15:29	JW
93-76-5	2,4,5-T	ND		ug/kg dry	23.6	23.6	1	EPA 8151A m	08/13/2014 05:58	08/14/2014 15:29	JW
75-99-0	Dalapon	ND		ug/kg dry	23.6	23.6	1	EPA 8151A m	08/13/2014 05:58	08/14/2014 21:47	JW
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (D	52.6 %				30-150					



## Sample Information

Client Sample ID: SB-1 4-5'

York Sample ID: 14H0523-01

York Project (SDG) No.

14H0523

Client Project ID

New Lebanon School

Matrix

Soil

Collection Date/Time

August 11, 2014 9:15 am

Date Received

08/11/2014

### Extractable Total Petroleum Hydrocarbons (ETPH)

Sample Prepared by Method: EPA 3545A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
CT ETPH	ETPH (Extractable Total Petroleum Hydrocarbons)	12.0		mg/kg dry	2.52	11.8	1	CT DEP ETPH	08/18/2014 08:30	08/19/2014 09:40	JW
<b>Surrogate Recoveries</b>											
3386-33-2 Surrogate: 1-Chlorooctadecane											
		Result			<b>Acceptance Range</b>						
					50-150						

### Metals, CTDEP RCP

Sample Prepared by Method: EPA 3050B

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/kg dry	0.591	0.591	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:39	MW
7440-38-2	Arsenic	4.56		mg/kg dry	1.18	1.18	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:39	MW
7440-39-3	Barium	88.4		mg/kg dry	1.18	1.18	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:39	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.118	0.118	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:39	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.355	0.355	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:39	MW
7440-47-3	Chromium	28.2		mg/kg dry	0.591	0.591	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:39	MW
7440-50-8	Copper	16.8		mg/kg dry	0.591	0.591	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:39	MW
7439-92-1	Lead	11.2		mg/kg dry	0.355	0.355	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:39	MW
7440-02-0	Nickel	19.5		mg/kg dry	0.591	0.591	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:39	MW
7782-49-2	Selenium	2.61		mg/kg dry	1.18	1.18	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:39	MW
7440-22-4	Silver	ND		mg/kg dry	0.591	0.591	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:39	MW
7440-28-0	Thallium	ND		mg/kg dry	1.18	1.18	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:39	MW
7440-62-2	Vanadium	39.6		mg/kg dry	1.18	1.18	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:39	MW
7440-66-6	Zinc	42.7		mg/kg dry	1.18	1.18	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:39	MW

### Mercury by 7473

Sample Prepared by Method: EPA 7473 soil

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0372		mg/kg dry	0.0355	0.0355	1	EPA 7473	08/14/2014 06:46	08/14/2014 12:09	ALD

### Total Solids

Sample Prepared by Method: % Solids Prep

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	84.6		%	0.100	0.100	1	SM 2540G	08/15/2014 09:34	08/15/2014 14:37	KK



## Sample Information

**Client Sample ID:** SB-2 5-6'

**York Sample ID:** 14H0523-02

**York Project (SDG) No.**  
14H0523

**Client Project ID**  
New Lebanon School

**Matrix**  
Soil

**Collection Date/Time**  
August 11, 2014 10:05 am

**Date Received**  
08/11/2014

### Volatile Organics, CT RCP List

Sample Prepared by Method: EPA 5035A

### Log-in Notes:

### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
67-64-1	<b>Acetone</b>	<b>400</b>	E	ug/kg dry	2.9	11	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
71-43-2	Benzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
75-25-2	Bromoform	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS



## Sample Information

<b>Client Sample ID:</b> SB-2 5-6'	<b>York Sample ID:</b> 14H0523-02
<u>York Project (SDG) No.</u> 14H0523	<u>Client Project ID</u> New Lebanon School

### Volatile Organics, CT RCP List

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
67-66-3	Chloroform	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
80-62-6	Methyl Methacrylate	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.9	11	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.9	11	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.7	11	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
100-42-5	Styrene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
109-99-9	Tetrahydrofuran	ND		ug/kg dry	5.7	11	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
108-88-3	Toluene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.9	5.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 17:41	SS



## Sample Information

**Client Sample ID:** SB-2 5-6'

**York Sample ID:** 14H0523-02

**York Project (SDG) No.**  
14H0523

**Client Project ID**  
New Lebanon School

**Matrix**  
Soil

**Collection Date/Time**  
August 11, 2014 10:05 am

**Date Received**  
08/11/2014

### Volatile Organics, CT RCP List

Sample Prepared by Method: EPA 5035A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
<b>Surrogate Recoveries</b>											
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	107 %				67-130					
460-00-4	Surrogate: p-Bromofluorobenzene	101 %				75-127					
2037-26-5	Surrogate: Toluene-d8	100 %				90-112					

### Semi-Volatiles, CT RCP BNA List

Sample Prepared by Method: EPA 3545A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
62-53-3	Aniline	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
120-12-7	Anthracene	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	130	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	130	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	130	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
218-01-9	Chrysene	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	130	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
86-74-8	Carbazole	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR



## Sample Information

**Client Sample ID:** SB-2 5-6'

**York Sample ID:** 14H0523-02

York Project (SDG) No.

14H0523

Client Project ID

New Lebanon School

Matrix

Soil

Collection Date/Time

August 11, 2014 10:05 am

Date Received

08/11/2014

### Semi-Volatiles, CT RCP BNA List

Sample Prepared by Method: EPA 3545A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ/MDL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
131-11-3	Dimethyl phthalate	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	130	520	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	260	520	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	130	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
206-44-0	Fluoranthene	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
86-73-7	Fluorene	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
118-74-1	Hexachlorobenzene	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	130	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
67-72-1	Hexachloroethane	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
78-59-1	Isophorone	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
90-12-0	1-Methylnaphthalene	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
95-48-7	2-Methylphenol	ND		ug/kg dry	130	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	130	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
91-20-3	Naphthalene	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
99-09-2	3-Nitroaniline	ND		ug/kg dry	130	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
100-01-6	4-Nitroaniline	ND		ug/kg dry	130	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
88-74-4	2-Nitroaniline	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
98-95-3	Nitrobenzene	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
88-75-5	2-Nitrophenol	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
100-02-7	4-Nitrophenol	ND		ug/kg dry	130	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
82-68-8	Pentachloronitrobenzene	ND		ug/kg dry	130	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
87-86-5	Pentachlorophenol	ND		ug/kg dry	130	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
85-01-8	Phenanthrene	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
108-95-2	Phenol	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
129-00-0	Pyrene	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
110-86-1	Pyridine	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	130	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09



## Sample Information

**Client Sample ID:** SB-2 5-6'

**York Sample ID:** 14H0523-02

**York Project (SDG) No.**  
14H0523

**Client Project ID**  
New Lebanon School

**Matrix**  
Soil

**Collection Date/Time**  
August 11, 2014 10:05 am

**Date Received**  
08/11/2014

### Semi-Volatiles, CT RCP BNA List

Sample Prepared by Method: EPA 3545A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	67.7	260	1	EPA 8270D	08/13/2014 14:35	08/14/2014 20:09	SR
<b>Surrogate Recoveries</b>											
		<b>Result</b>						<b>Acceptance Range</b>			
367-12-4	<i>Surrogate: 2-Fluorophenol</i>	58.7 %						10-105			
4165-62-2	<i>Surrogate: Phenol-d5</i>	44.6 %						10-118			
4165-60-0	<i>Surrogate: Nitrobenzene-d5</i>	59.3 %						10-140			
321-60-8	<i>Surrogate: 2-Fluorobiphenyl</i>	61.5 %						10-126			
118-79-6	<i>Surrogate: 2,4,6-Tribromophenol</i>	48.3 %						10-150			
1718-51-0	<i>Surrogate: Terphenyl-d14</i>	96.7 %						10-137			

### Pesticides, CT RCP Target List

Sample Prepared by Method: EPA 3545\_A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:01	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:01	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:01	JW
15972-60-8	Alachlor	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:01	JW
309-00-2	Aldrin	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:01	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:01	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:01	JW
57-74-9	Chlordane, total	ND		ug/kg dry	6.87	6.87	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:01	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:01	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:01	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:01	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:01	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:01	JW
72-20-8	Endrin	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:01	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:01	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:01	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:01	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:01	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.72	1.72	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:01	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.59	8.59	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:01	JW
8001-35-2	Toxaphene	ND		ug/kg dry	86.9	86.9	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:01	JW
<b>Surrogate Recoveries</b>											
		<b>Result</b>						<b>Acceptance Range</b>			



## Sample Information

**Client Sample ID:** SB-2 5-6'

**York Sample ID:** 14H0523-02

**York Project (SDG) No.**  
14H0523

**Client Project ID**  
New Lebanon School

**Matrix**  
Soil

**Collection Date/Time**  
August 11, 2014 10:05 am

**Date Received**  
08/11/2014

### Pesticides, CT RCP Target List

Sample Prepared by Method: EPA 3545\_A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	119 %				30-140					
877-09-8	Surrogate: Tetrachloro-m-xylene	110 %				30-140					

### Polychlorinated Biphenyls(PCB RCP)

Sample Prepared by Method: EPA 3545\_A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0260	0.0260	1	EPA 8082A	08/13/2014 17:00	08/14/2014 11:05	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0260	0.0260	1	EPA 8082A	08/13/2014 17:00	08/14/2014 11:05	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0260	0.0260	1	EPA 8082A	08/13/2014 17:00	08/14/2014 11:05	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0260	0.0260	1	EPA 8082A	08/13/2014 17:00	08/14/2014 11:05	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0260	0.0260	1	EPA 8082A	08/13/2014 17:00	08/14/2014 11:05	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0260	0.0260	1	EPA 8082A	08/13/2014 17:00	08/14/2014 11:05	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0260	0.0260	1	EPA 8082A	08/13/2014 17:00	08/14/2014 11:05	AMC
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0260	0.0260	1	EPA 8082A	08/13/2014 17:00	08/14/2014 11:05	AMC
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0260	0.0260	1	EPA 8082A	08/13/2014 17:00	08/14/2014 11:05	AMC
1336-36-3	Total PCBs	ND		mg/kg dry	0.0260	0.0260	1	EPA 8082A	08/13/2014 17:00	08/14/2014 11:05	AMC
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
877-09-8	Surrogate: Tetrachloro-m-xylene	95.5 %				30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	57.5 %				30-140					

### Herbicides, CT RCP

Sample Prepared by Method: EPA 3550B/8151A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1918-00-9	Dicamba	ND		ug/kg dry	20.8	20.8	1	EPA 8151A m	08/13/2014 05:58	08/14/2014 16:00	JW
94-75-7	2,4-D	ND		ug/kg dry	20.8	20.8	1	EPA 8151A m	08/13/2014 05:58	08/14/2014 16:00	JW
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	20.8	20.8	1	EPA 8151A m	08/13/2014 05:58	08/14/2014 16:00	JW
93-76-5	2,4,5-T	ND		ug/kg dry	20.8	20.8	1	EPA 8151A m	08/13/2014 05:58	08/14/2014 16:00	JW
75-99-0	Dalapon	ND		ug/kg dry	20.8	20.8	1	EPA 8151A m	08/13/2014 05:58	08/14/2014 22:46	JW
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (D	76.4 %				30-150					



## Sample Information

<u>Client Sample ID:</u> SB-2 5-6'		<u>York Sample ID:</u> 14H0523-02
<u>York Project (SDG) No.</u> 14H0523	<u>Client Project ID</u> New Lebanon School	<u>Matrix</u> Soil <u>Collection Date/Time</u> August 11, 2014 10:05 am <u>Date Received</u> 08/11/2014

### Extractable Total Petroleum Hydrocarbons (ETPH)

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
CT ETPH	ETPH (Extractable Total Petroleum Hydrocarbons)	10.4		mg/kg dry	2.22	10.4	1	CT DEP ETPH	08/18/2014 08:30	08/19/2014 09:40	JW
<b>Surrogate Recoveries</b>											
Acceptance Range											
3386-33-2	Surrogate: 1-Chlorooctadecane	77.6 %				50-150					

### Metals, CTDEP RCP

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	1.05		mg/kg dry	0.520	0.520	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:43	MW
7440-38-2	Arsenic	4.48		mg/kg dry	1.04	1.04	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:43	MW
7440-39-3	Barium	262		mg/kg dry	1.04	1.04	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:43	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.104	0.104	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:43	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.312	0.312	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:43	MW
7440-47-3	Chromium	111		mg/kg dry	0.520	0.520	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:43	MW
7440-50-8	Copper	24.8		mg/kg dry	0.520	0.520	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:43	MW
7439-92-1	Lead	4.76		mg/kg dry	0.312	0.312	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:43	MW
7440-02-0	Nickel	45.5		mg/kg dry	0.520	0.520	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:43	MW
7782-49-2	Selenium	1.24		mg/kg dry	1.04	1.04	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:43	MW
7440-22-4	Silver	ND		mg/kg dry	0.520	0.520	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:43	MW
7440-28-0	Thallium	ND		mg/kg dry	1.04	1.04	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:43	MW
7440-62-2	Vanadium	60.0		mg/kg dry	1.04	1.04	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:43	MW
7440-66-6	Zinc	51.1		mg/kg dry	1.04	1.04	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:43	MW

### Mercury by 7473

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0312	0.0312	1	EPA 7473	08/14/2014 06:46	08/14/2014 12:19	ALD

### Total Solids

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	96.1		%	0.100	0.100	1	SM 2540G	08/15/2014 09:34	08/15/2014 14:37	KK



## Sample Information

<u>Client Sample ID:</u> SB-3 10-11'	<u>York Sample ID:</u> 14H0523-03			
<u>York Project (SDG) No.</u> 14H0523	<u>Client Project ID</u> New Lebanon School	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 11, 2014 10:30 am	<u>Date Received</u> 08/11/2014

### Volatile Organics, CT RCP List

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
78-93-3	<b>2-Butanone</b>	<b>4.8</b>		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
67-64-1	<b>Acetone</b>	<b>660</b>	E	ug/kg dry	2.4	9.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
71-43-2	Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS



## Sample Information

<b>Client Sample ID:</b> SB-3 10-11'		<b>York Sample ID:</b> 14H0523-03
<u>York Project (SDG) No.</u> 14H0523	<u>Client Project ID</u> New Lebanon School	<u>Matrix</u> Soil <u>Collection Date/Time</u> August 11, 2014 10:30 am <u>Date Received</u> 08/11/2014

### Volatile Organics, CT RCP List

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
100-41-4	<b>Ethyl Benzene</b>	<b>44</b>		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
80-62-6	Methyl Methacrylate	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.4	9.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.4	9.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
95-47-6	<b>o-Xylene</b>	<b>80</b>		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>190</b>		ug/kg dry	4.8	9.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
100-42-5	Styrene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
109-99-9	Tetrahydrofuran	ND		ug/kg dry	4.8	9.7	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
108-88-3	Toluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:10	SS



## Sample Information

**Client Sample ID:** SB-3 10-11'

**York Sample ID:** 14H0523-03

**York Project (SDG) No.**

14H0523

**Client Project ID**

New Lebanon School

**Matrix**

Soil

**Collection Date/Time**

August 11, 2014 10:30 am

**Date Received**

08/11/2014

### Volatile Organics, CT RCP List

Sample Prepared by Method: EPA 5035A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
<b>Surrogate Recoveries</b>											
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %				67-130					
460-00-4	Surrogate: p-Bromofluorobenzene	96.2 %				75-127					
2037-26-5	Surrogate: Toluene-d8	107 %				90-112					

### Semi-Volatiles, CT RCP BNA List

Sample Prepared by Method: EPA 3545A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
62-53-3	Aniline	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
120-12-7	Anthracene	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
50-32-8	Benzo(a)pyrene	ND	IS-LO	ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
205-99-2	Benzo(b)fluoranthene	ND	IS-LO	ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	263	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
207-08-9	Benzo(k)fluoranthene	ND	IS-LO	ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	263	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	263	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
218-01-9	Chrysene	ND	IS-LO	ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
53-70-3	Dibenzo(a,h)anthracene	ND	IS-LO	ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	263	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
86-74-8	Carbazole	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR



## Sample Information

**Client Sample ID:** SB-3 10-11'

**York Sample ID:** 14H0523-03

**York Project (SDG) No.**  
14H0523

**Client Project ID**  
New Lebanon School

**Matrix**  
Soil

**Collection Date/Time**  
August 11, 2014 10:30 am

**Date Received**  
08/11/2014

### Semi-Volatiles, CT RCP BNA List

Sample Prepared by Method: EPA 3545A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	263	1050	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	526	1050	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	263	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
117-84-0	Di-n-octyl phthalate	ND	IS-LO	ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
206-44-0	Fluoranthene	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
86-73-7	Fluorene	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	263	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	IS-LO	ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
78-59-1	Isophorone	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
90-12-0	1-Methylnaphthalene	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	263	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	263	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
91-20-3	Naphthalene	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	263	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	263	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	263	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
82-68-8	Pentachloronitrobenzene	ND		ug/kg dry	263	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	263	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
85-01-8	Phenanthrene	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
108-95-2	Phenol	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
129-00-0	Pyrene	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
110-86-1	Pyridine	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	263	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR



## Sample Information

Client Sample ID: SB-3 10-11'

York Sample ID: 14H0523-03

York Project (SDG) No.

14H0523

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New Lebanon School

Matrix

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August 11, 2014 10:30 am

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08/11/2014

### Semi-Volatiles, CT RCP BNA List

Sample Prepared by Method: EPA 3545A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	137	526	2	EPA 8270D	08/13/2014 14:35	08/19/2014 18:59	SR
<b>Surrogate Recoveries</b>											
367-12-4	<i>Surrogate: 2-Fluorophenol</i>	43.3 %				10-105					
4165-62-2	<i>Surrogate: Phenol-d5</i>	40.9 %				10-118					
4165-60-0	<i>Surrogate: Nitrobenzene-d5</i>	52.6 %				10-140					
321-60-8	<i>Surrogate: 2-Fluorobiphenyl</i>	36.7 %				10-126					
118-79-6	<i>Surrogate: 2,4,6-Tribromophenol</i>	13.5 %				10-150					
1718-51-0	<i>Surrogate: Terphenyl-d14</i>	39.5 %				10-137					

### Pesticides, CT RCP Target List

Sample Prepared by Method: EPA 3545\_A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:19	JW
72-55-9	<b>4,4'-DDE</b>	<b>6.45</b>		ug/kg dry	1.73	1.73	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:19	JW
50-29-3	<b>4,4'-DDT</b>	<b>18.3</b>		ug/kg dry	1.73	1.73	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:19	JW
15972-60-8	Alachlor	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:19	JW
309-00-2	Aldrin	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:19	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:19	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:19	JW
57-74-9	<b>Chlordane, total</b>	<b>34.2</b>		ug/kg dry	6.94	6.94	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:19	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:19	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:19	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:19	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:19	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:19	JW
72-20-8	Endrin	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:19	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:19	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:19	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:19	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:19	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.73	1.73	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:19	JW
72-43-5	Methoxychlor	ND		ug/kg dry	8.67	8.67	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:19	JW
8001-35-2	Toxaphene	ND		ug/kg dry	87.8	87.8	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:19	JW
<b>Surrogate Recoveries</b>											
<b>Result</b>											
<b>Acceptance Range</b>											



## Sample Information

Client Sample ID: SB-3 10-11'

York Sample ID: 14H0523-03

York Project (SDG) No.  
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### Pesticides, CT RCP Target List

Sample Prepared by Method: EPA 3545\_A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	84.2 %				30-140					
877-09-8	Surrogate: Tetrachloro-m-xylene	81.5 %				30-140					

### Polychlorinated Biphenyls(PCB RCP)

Sample Prepared by Method: EPA 3545\_A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0263	0.0263	1	EPA 8082A	08/13/2014 17:00	08/14/2014 11:34	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0263	0.0263	1	EPA 8082A	08/13/2014 17:00	08/14/2014 11:34	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0263	0.0263	1	EPA 8082A	08/13/2014 17:00	08/14/2014 11:34	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0263	0.0263	1	EPA 8082A	08/13/2014 17:00	08/14/2014 11:34	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0263	0.0263	1	EPA 8082A	08/13/2014 17:00	08/14/2014 11:34	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0263	0.0263	1	EPA 8082A	08/13/2014 17:00	08/14/2014 11:34	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0263	0.0263	1	EPA 8082A	08/13/2014 17:00	08/14/2014 11:34	AMC
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0263	0.0263	1	EPA 8082A	08/13/2014 17:00	08/14/2014 11:34	AMC
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0263	0.0263	1	EPA 8082A	08/13/2014 17:00	08/14/2014 11:34	AMC
1336-36-3	Total PCBs	ND		mg/kg dry	0.0263	0.0263	1	EPA 8082A	08/13/2014 17:00	08/14/2014 11:34	AMC
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
877-09-8	Surrogate: Tetrachloro-m-xylene	81.0 %				30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	55.0 %				30-140					

### Herbicides, CT RCP

Sample Prepared by Method: EPA 3550B/8151A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1918-00-9	Dicamba	ND		ug/kg dry	21.0	21.0	1	EPA 8151A m	08/13/2014 05:58	08/14/2014 16:15	JW
94-75-7	2,4-D	ND		ug/kg dry	21.0	21.0	1	EPA 8151A m	08/13/2014 05:58	08/14/2014 16:15	JW
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	21.0	21.0	1	EPA 8151A m	08/13/2014 05:58	08/14/2014 16:15	JW
93-76-5	2,4,5-T	ND		ug/kg dry	21.0	21.0	1	EPA 8151A m	08/13/2014 05:58	08/14/2014 16:15	JW
75-99-0	Dalapon	ND		ug/kg dry	21.0	21.0	1	EPA 8151A m	08/13/2014 05:58	08/14/2014 23:16	JW
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (D	55.0 %				30-150					



## Sample Information

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### Extractable Total Petroleum Hydrocarbons (ETPH)

Sample Prepared by Method: EPA 3545A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
CT ETPH	ETPH (Extractable Total Petroleum Hydrocarbons)	60.7		mg/kg dry	2.24	10.5	1	CT DEP ETPH	08/18/2014 08:30	08/19/2014 09:40	JW
<b>Surrogate Recoveries</b>											
Acceptance Range											
3386-33-2	Surrogate: 1-Chlorooctadecane	63.1 %				50-150					

### Metals, CTDEP RCP

Sample Prepared by Method: EPA 3050B

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/kg dry	0.526	0.526	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:48	MW
7440-38-2	Arsenic	3.86		mg/kg dry	1.05	1.05	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:48	MW
7440-39-3	Barium	163		mg/kg dry	1.05	1.05	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:48	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.105	0.105	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:48	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.315	0.315	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:48	MW
7440-47-3	Chromium	51.0		mg/kg dry	0.526	0.526	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:48	MW
7440-50-8	Copper	22.9		mg/kg dry	0.526	0.526	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:48	MW
7439-92-1	Lead	26.6		mg/kg dry	0.315	0.315	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:48	MW
7440-02-0	Nickel	27.0		mg/kg dry	0.526	0.526	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:48	MW
7782-49-2	Selenium	1.28		mg/kg dry	1.05	1.05	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:48	MW
7440-22-4	Silver	ND		mg/kg dry	0.526	0.526	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:48	MW
7440-28-0	Thallium	ND		mg/kg dry	1.05	1.05	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:48	MW
7440-62-2	Vanadium	42.1		mg/kg dry	1.05	1.05	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:48	MW
7440-66-6	Zinc	61.7		mg/kg dry	1.05	1.05	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:48	MW

### Mercury by 7473

Sample Prepared by Method: EPA 7473 soil

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0526		mg/kg dry	0.0315	0.0315	1	EPA 7473	08/14/2014 12:30	08/14/2014 13:56	ALD

### Total Solids

Sample Prepared by Method: % Solids Prep

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	95.1		%	0.100	0.100	1	SM 2540G	08/15/2014 09:34	08/15/2014 14:37	KK



## Sample Information

<b>Client Sample ID:</b> SB-4 4-5'		<b>York Sample ID:</b> 14H0523-04
<u>York Project (SDG) No.</u> 14H0523	<u>Client Project ID</u> New Lebanon School	<u>Matrix</u> Soil <u>Collection Date/Time</u> August 11, 2014 11:00 am <u>Date Received</u> 08/11/2014

### Volatile Organics, CT RCP List

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>8.2</b>		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>12</b>		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
78-93-3	<b>2-Butanone</b>	<b>14</b>		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
67-64-1	<b>Acetone</b>	<b>90</b>		ug/kg dry	2.6	10	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
71-43-2	Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS



## Sample Information

**Client Sample ID:** SB-4 4-5'

**York Sample ID:** 14H0523-04

**York Project (SDG) No.**  
14H0523

**Client Project ID**  
New Lebanon School

**Matrix**  
Soil

**Collection Date/Time**  
August 11, 2014 11:00 am

**Date Received**  
08/11/2014

### Volatile Organics, CT RCP List

Sample Prepared by Method: EPA 5035A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
80-62-6	Methyl Methacrylate	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.6	10	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.6	10	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
95-47-6	<b>o-Xylene</b>	<b>6.5</b>		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
179601-23-1	<b>p- &amp; m-Xylenes</b>	<b>10</b>		ug/kg dry	5.2	10	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
100-42-5	Styrene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
109-99-9	Tetrahydrofuran	ND		ug/kg dry	5.2	10	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
108-88-3	Toluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
79-01-6	<b>Trichloroethylene</b>	<b>43</b>		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	08/15/2014 08:23	08/15/2014 18:39	SS

#### Surrogate Recoveries

#### Result

#### Acceptance Range



## Sample Information

Client Sample ID: SB-4 4-5'

York Sample ID: 14H0523-04

York Project (SDG) No.

14H0523

Client Project ID

New Lebanon School

Matrix

Soil

Collection Date/Time

August 11, 2014 11:00 am

Date Received

08/11/2014

### Volatile Organics, CT RCP List

Sample Prepared by Method: EPA 5035A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	107 %			67-130						
460-00-4	Surrogate: p-Bromofluorobenzene	126 %			75-127						
2037-26-5	Surrogate: Toluene-d8	113 %		S-08	90-112						

### Semi-Volatiles, CT RCP BNA List

Sample Prepared by Method: EPA 3545A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
62-53-3	Aniline	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
120-12-7	Anthracene	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
50-32-8	Benzo(a)pyrene	ND	IS-LO	ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
205-99-2	Benzo(b)fluoranthene	ND	IS-LO	ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
191-24-2	Benzo(g,h,i)perylene	ND	IS-LO	ug/kg dry	281	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
207-08-9	Benzo(k)fluoranthene	ND	IS-LO	ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	281	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	281	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
218-01-9	<b>Chrysene</b>	<b>910</b>	IS-LO	ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
53-70-3	Dibeno(a,h)anthracene	ND	IS-LO	ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	281	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
86-74-8	Carbazole	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR



## Sample Information

**Client Sample ID:** SB-4 4-5'

**York Sample ID:** 14H0523-04

**York Project (SDG) No.**  
14H0523

**Client Project ID**  
New Lebanon School

**Matrix**  
Soil

**Collection Date/Time**  
August 11, 2014 11:00 am

**Date Received**  
08/11/2014

### Semi-Volatiles, CT RCP BNA List

Sample Prepared by Method: EPA 3545A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
131-11-3	Dimethyl phthalate	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	281	1120	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	561	1120	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	281	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
117-84-0	Di-n-octyl phthalate	ND	IS-LO	ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
206-44-0	<b>Fluoranthene</b>	<b>1870</b>		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
86-73-7	Fluorene	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	281	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	IS-LO	ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
78-59-1	Isophorone	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
90-12-0	1-Methylnaphthalene	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	281	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	281	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
91-20-3	Naphthalene	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	281	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	281	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	281	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
82-68-8	Pentachloronitrobenzene	ND		ug/kg dry	281	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	281	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
85-01-8	<b>Phenanthrene</b>	<b>1650</b>		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
108-95-2	Phenol	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
129-00-0	<b>Pyrene</b>	<b>1440</b>		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
110-86-1	Pyridine	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	281	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR



## Sample Information

**Client Sample ID:** SB-4 4-5'

**York Sample ID:** 14H0523-04

**York Project (SDG) No.**  
14H0523

**Client Project ID**  
New Lebanon School

**Matrix**  
Soil

**Collection Date/Time**  
August 11, 2014 11:00 am

**Date Received**  
08/11/2014

### Semi-Volatiles, CT RCP BNA List

Sample Prepared by Method: EPA 3545A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	146	561	2	EPA 8270D	08/13/2014 14:35	08/19/2014 19:30	SR
<b>Surrogate Recoveries</b>											
367-12-4	<i>Surrogate: 2-Fluorophenol</i>	28.0 %				10-105					
4165-62-2	<i>Surrogate: Phenol-d5</i>	40.1 %				10-118					
4165-60-0	<i>Surrogate: Nitrobenzene-d5</i>	48.5 %				10-140					
321-60-8	<i>Surrogate: 2-Fluorobiphenyl</i>	34.4 %				10-126					
118-79-6	<i>Surrogate: 2,4,6-Tribromophenol</i>	1.55 %	S-06			10-150					
1718-51-0	<i>Surrogate: Terphenyl-d14</i>	41.8 %				10-137					

### Pesticides, CT RCP Target List

Sample Prepared by Method: EPA 3545\_A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:34	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:34	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:34	JW
15972-60-8	Alachlor	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:34	JW
309-00-2	Aldrin	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:34	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:34	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:34	JW
57-74-9	<b>Chlordane, total</b>	<b>66.0</b>		ug/kg dry	7.41	7.41	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:34	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:34	JW
60-57-1	Die�drin	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:34	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:34	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:34	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:34	JW
72-20-8	Endrin	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:34	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:34	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:34	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:34	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:34	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.85	1.85	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:34	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.26	9.26	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:34	JW
8001-35-2	Toxaphene	ND		ug/kg dry	93.7	93.7	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:34	JW
<b>Surrogate Recoveries</b>											
2051-24-3	<i>Surrogate: Decachlorobiphenyl</i>	80.8 %				30-140					



## Sample Information

Client Sample ID: SB-4 4-5'

York Sample ID: 14H0523-04

York Project (SDG) No.

14H0523

Client Project ID

New Lebanon School

Matrix

Soil

Collection Date/Time

August 11, 2014 11:00 am

Date Received

08/11/2014

### Pesticides, CT RCP Target List

Sample Prepared by Method: EPA 3545\_A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	Surrogate: Tetrachloro-m-xylene	79.5 %				30-140					

### Polychlorinated Biphenyls(PCB RCP)

Sample Prepared by Method: EPA 3545\_A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0281	0.0281	1	EPA 8082A	08/13/2014 17:00	08/14/2014 12:03	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0281	0.0281	1	EPA 8082A	08/13/2014 17:00	08/14/2014 12:03	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0281	0.0281	1	EPA 8082A	08/13/2014 17:00	08/14/2014 12:03	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0281	0.0281	1	EPA 8082A	08/13/2014 17:00	08/14/2014 12:03	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0281	0.0281	1	EPA 8082A	08/13/2014 17:00	08/14/2014 12:03	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0281	0.0281	1	EPA 8082A	08/13/2014 17:00	08/14/2014 12:03	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0281	0.0281	1	EPA 8082A	08/13/2014 17:00	08/14/2014 12:03	AMC
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0281	0.0281	1	EPA 8082A	08/13/2014 17:00	08/14/2014 12:03	AMC
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0281	0.0281	1	EPA 8082A	08/13/2014 17:00	08/14/2014 12:03	AMC
1336-36-3	Total PCBs	ND		mg/kg dry	0.0281	0.0281	1	EPA 8082A	08/13/2014 17:00	08/14/2014 12:03	AMC
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
877-09-8	Surrogate: Tetrachloro-m-xylene	80.0 %				30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	53.0 %				30-140					

### Herbicides, CT RCP

Sample Prepared by Method: EPA 3550B/8151A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1918-00-9	Dicamba	ND		ug/kg dry	22.5	22.5	1	EPA 8151A m	08/18/2014 10:22	08/18/2014 11:18	JW
94-75-7	2,4-D	ND		ug/kg dry	22.5	22.5	1	EPA 8151A m	08/18/2014 10:22	08/18/2014 11:18	JW
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	22.5	22.5	1	EPA 8151A m	08/18/2014 10:22	08/18/2014 11:18	JW
93-76-5	2,4,5-T	ND		ug/kg dry	22.5	22.5	1	EPA 8151A m	08/18/2014 10:22	08/18/2014 11:18	JW
75-99-0	Dalapon	ND		ug/kg dry	22.5	22.5	1	EPA 8151A m	08/18/2014 10:22	08/18/2014 15:59	JW
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (D	104 %				30-150					

### Extractable Total Petroleum Hydrocarbons (ETPH)

Sample Prepared by Method: EPA 3545A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
CT ETPH	ETPH (Extractable Total Petroleum Hydrocarbons)	343		mg/kg dry	2.39	11.2	1	CT DEP ETPH	08/14/2014 14:21	08/15/2014 09:57	JW



## Sample Information

<u>Client Sample ID:</u> SB-4 4-5'	<u>York Sample ID:</u> 14H0523-04
<u>York Project (SDG) No.</u> 14H0523	<u>Client Project ID</u> New Lebanon School <u>Matrix</u> Soil <u>Collection Date/Time</u> August 11, 2014 11:00 am <u>Date Received</u> 08/11/2014

### Extractable Total Petroleum Hydrocarbons (ETPH)

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
<b>Surrogate Recoveries</b>											
3386-33-2 Surrogate: <i>l</i> -Chlorooctadecane 51.5 % Acceptance Range 50-150											

### Metals, CTDEP RCP

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/kg dry	0.561	0.561	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:53	MW
7440-38-2	Arsenic	3.01		mg/kg dry	1.12	1.12	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:53	MW
7440-39-3	Barium	57.2		mg/kg dry	1.12	1.12	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:53	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.112	0.112	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:53	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.337	0.337	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:53	MW
7440-47-3	Chromium	21.5		mg/kg dry	0.561	0.561	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:53	MW
7440-50-8	Copper	21.2		mg/kg dry	0.561	0.561	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:53	MW
7439-92-1	Lead	28.2		mg/kg dry	0.337	0.337	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:53	MW
7440-02-0	Nickel	13.9		mg/kg dry	0.561	0.561	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:53	MW
7782-49-2	Selenium	ND		mg/kg dry	1.12	1.12	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:53	MW
7440-22-4	Silver	ND		mg/kg dry	0.561	0.561	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:53	MW
7440-28-0	Thallium	ND		mg/kg dry	1.12	1.12	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:53	MW
7440-62-2	Vanadium	25.3		mg/kg dry	1.12	1.12	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:53	MW
7440-66-6	Zinc	44.8		mg/kg dry	1.12	1.12	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:53	MW

### Mercury by 7473

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0409		mg/kg dry	0.0337	0.0337	1	EPA 7473	08/14/2014 12:30	08/14/2014 15:18	ALD

### Total Solids

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	89.1		%	0.100	0.100	1	SM 2540G	08/15/2014 09:34	08/15/2014 14:37	KK



## Sample Information

**Client Sample ID:** SB-5 2-3'

**York Sample ID:** 14H0523-05

York Project (SDG) No.

14H0523

Client Project ID

New Lebanon School

Matrix

Soil

Collection Date/Time

August 11, 2014 11:30 am

Date Received

08/11/2014

### Volatile Organics, CT RCP List

Sample Prepared by Method: EPA 5035A

### Log-in Notes:

### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
67-64-1	Acetone	ND		ug/kg dry	2.4	9.5	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
71-43-2	Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS



## Sample Information

**Client Sample ID:** SB-5 2-3'

**York Sample ID:** 14H0523-05

York Project (SDG) No.

14H0523

Client Project ID

New Lebanon School

Matrix

Soil

Collection Date/Time

August 11, 2014 11:30 am

Date Received

08/11/2014

### Volatile Organics, CT RCP List

Sample Prepared by Method: EPA 5035A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
100-41-4	<b>Ethyl Benzene</b>	<b>10</b>		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
80-62-6	Methyl Methacrylate	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.4	9.5	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.4	9.5	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
95-47-6	<b>o-Xylene</b>	<b>26</b>		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
179601-23-1	<b>p- &amp; m- Xylenes</b>	<b>53</b>		ug/kg dry	4.8	9.5	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
100-42-5	Styrene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
109-99-9	Tetrahydrofuran	ND		ug/kg dry	4.8	9.5	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
108-88-3	Toluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 19:08	SS



## Sample Information

**Client Sample ID:** SB-5 2-3'

**York Sample ID:** 14H0523-05

**York Project (SDG) No.**

14H0523

**Client Project ID**

New Lebanon School

**Matrix**

Soil

**Collection Date/Time**

August 11, 2014 11:30 am

**Date Received**

08/11/2014

### Volatile Organics, CT RCP List

Sample Prepared by Method: EPA 5035A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
<b>Surrogate Recoveries</b>											
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %				67-130					
460-00-4	Surrogate: p-Bromofluorobenzene	116 %				75-127					
2037-26-5	Surrogate: Toluene-d8	108 %				90-112					

### Semi-Volatiles, CT RCP BNA List

Sample Prepared by Method: EPA 3545A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
62-53-3	Aniline	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
120-12-7	Anthracene	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	274	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	274	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	274	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
218-01-9	Chrysene	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	274	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
86-74-8	Carbazole	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR



## Sample Information

**Client Sample ID:** SB-5 2-3'

**York Sample ID:** 14H0523-05

York Project (SDG) No.

14H0523

Client Project ID

New Lebanon School

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Soil

Collection Date/Time

August 11, 2014 11:30 am

Date Received

08/11/2014

### Semi-Volatiles, CT RCP BNA List

Sample Prepared by Method: EPA 3545A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	274	1100	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	548	1100	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	274	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
206-44-0	Fluoranthene	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
86-73-7	Fluorene	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	274	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
78-59-1	Isophorone	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
90-12-0	1-Methylnaphthalene	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	274	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	274	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
91-20-3	Naphthalene	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	274	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	274	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	274	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
82-68-8	Pentachloronitrobenzene	ND		ug/kg dry	274	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	274	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
85-01-8	Phenanthrene	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
108-95-2	Phenol	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
129-00-0	Pyrene	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
110-86-1	Pyridine	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	274	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR



## Sample Information

**Client Sample ID:** SB-5 2-3'

**York Sample ID:** 14H0523-05

**York Project (SDG) No.**  
14H0523

**Client Project ID**  
New Lebanon School

**Matrix**  
Soil

**Collection Date/Time**  
August 11, 2014 11:30 am

**Date Received**  
08/11/2014

### Semi-Volatiles, CT RCP BNA List

Sample Prepared by Method: EPA 3545A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	143	548	2	EPA 8270D	08/13/2014 14:35	08/14/2014 22:55	SR
<b>Surrogate Recoveries</b>											
		<b>Result</b>						<b>Acceptance Range</b>			
367-12-4	<i>Surrogate: 2-Fluorophenol</i>	32.5 %						10-105			
4165-62-2	<i>Surrogate: Phenol-d5</i>	19.1 %						10-118			
4165-60-0	<i>Surrogate: Nitrobenzene-d5</i>	33.3 %						10-140			
321-60-8	<i>Surrogate: 2-Fluorobiphenyl</i>	14.5 %						10-126			
118-79-6	<i>Surrogate: 2,4,6-Tribromophenol</i>	24.7 %						10-150			
1718-51-0	<i>Surrogate: Terphenyl-d14</i>	61.9 %						10-137			

### Pesticides, CT RCP Target List

Sample Prepared by Method: EPA 3545\_A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	<b>4,4'-DDD</b>	<b>2.32</b>		ug/kg dry	1.81	1.81	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:49	JW
72-55-9	<b>4,4'-DDE</b>	<b>25.7</b>		ug/kg dry	1.81	1.81	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:49	JW
50-29-3	<b>4,4'-DDT</b>	<b>14.2</b>		ug/kg dry	1.81	1.81	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:49	JW
15972-60-8	Alachlor	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:49	JW
309-00-2	Aldrin	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:49	JW
319-84-6	alpha-BHC	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:49	JW
319-85-7	beta-BHC	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:49	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.24	7.24	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:49	JW
319-86-8	delta-BHC	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:49	JW
60-57-1	Dieldrin	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:49	JW
959-98-8	Endosulfan I	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:49	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:49	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:49	JW
72-20-8	Endrin	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:49	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:49	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:49	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:49	JW
76-44-8	Heptachlor	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:49	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	1.81	1.81	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:49	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.05	9.05	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:49	JW
8001-35-2	Toxaphene	ND		ug/kg dry	91.6	91.6	5	EPA 8081B	08/13/2014 17:00	08/14/2014 11:49	JW
<b>Surrogate Recoveries</b>											
		<b>Result</b>						<b>Acceptance Range</b>			



## Sample Information

**Client Sample ID:** SB-5 2-3'

**York Sample ID:** 14H0523-05

**York Project (SDG) No.**  
14H0523

**Client Project ID**  
New Lebanon School

**Matrix**  
Soil

**Collection Date/Time**  
August 11, 2014 11:30 am

**Date Received**  
08/11/2014

### Pesticides, CT RCP Target List

Sample Prepared by Method: EPA 3545\_A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	102 %				30-140					
877-09-8	Surrogate: Tetrachloro-m-xylene	101 %				30-140					

### Polychlorinated Biphenyls(PCB RCP)

Sample Prepared by Method: EPA 3545\_A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	08/13/2014 17:00	08/14/2014 12:33	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	08/13/2014 17:00	08/14/2014 12:33	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	08/13/2014 17:00	08/14/2014 12:33	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	08/13/2014 17:00	08/14/2014 12:33	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	08/13/2014 17:00	08/14/2014 12:33	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	08/13/2014 17:00	08/14/2014 12:33	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	08/13/2014 17:00	08/14/2014 12:33	AMC
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	08/13/2014 17:00	08/14/2014 12:33	AMC
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	08/13/2014 17:00	08/14/2014 12:33	AMC
1336-36-3	Total PCBs	ND		mg/kg dry	0.0274	0.0274	1	EPA 8082A	08/13/2014 17:00	08/14/2014 12:33	AMC
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
877-09-8	Surrogate: Tetrachloro-m-xylene	96.5 %				30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	61.5 %				30-140					

### Herbicides, CT RCP

Sample Prepared by Method: EPA 3550B/8151A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1918-00-9	Dicamba	ND		ug/kg dry	21.9	21.9	1	EPA 8151A m	08/13/2014 05:58	08/14/2014 16:45	JW
94-75-7	2,4-D	ND		ug/kg dry	21.9	21.9	1	EPA 8151A m	08/13/2014 05:58	08/14/2014 16:45	JW
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	21.9	21.9	1	EPA 8151A m	08/13/2014 05:58	08/14/2014 16:45	JW
93-76-5	2,4,5-T	ND		ug/kg dry	21.9	21.9	1	EPA 8151A m	08/13/2014 05:58	08/14/2014 16:45	JW
75-99-0	Dalapon	ND		ug/kg dry	21.9	21.9	1	EPA 8151A m	08/13/2014 05:58	08/15/2014 00:15	JW
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (E)	63.0 %				30-150					



## Sample Information

Client Sample ID: SB-5 2-3'

York Sample ID: 14H0523-05

York Project (SDG) No.  
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August 11, 2014 11:30 am

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### Extractable Total Petroleum Hydrocarbons (ETPH)

Sample Prepared by Method: EPA 3545A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
CT ETPH	ETPH (Extractable Total Petroleum Hydrocarbons)	36.6		mg/kg dry	2.34	11.0	1	CT DEP ETPH	08/18/2014 08:30	08/19/2014 09:40	JW
<b>Surrogate Recoveries</b>											
Acceptance Range											
3386-33-2	Surrogate: 1-Chlorooctadecane	78.6 %				50-150					

### Metals, CTDEP RCP

Sample Prepared by Method: EPA 3050B

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/kg dry	0.548	0.548	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:57	MW
7440-38-2	Arsenic	4.70		mg/kg dry	1.10	1.10	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:57	MW
7440-39-3	Barium	237		mg/kg dry	1.10	1.10	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:57	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.110	0.110	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:57	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.329	0.329	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:57	MW
7440-47-3	Chromium	70.0		mg/kg dry	0.548	0.548	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:57	MW
7440-50-8	Copper	27.8		mg/kg dry	0.548	0.548	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:57	MW
7439-92-1	Lead	27.5		mg/kg dry	0.329	0.329	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:57	MW
7440-02-0	Nickel	38.0		mg/kg dry	0.548	0.548	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:57	MW
7782-49-2	Selenium	1.43		mg/kg dry	1.10	1.10	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:57	MW
7440-22-4	Silver	ND		mg/kg dry	0.548	0.548	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:57	MW
7440-28-0	Thallium	ND		mg/kg dry	1.10	1.10	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:57	MW
7440-62-2	Vanadium	57.5		mg/kg dry	1.10	1.10	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:57	MW
7440-66-6	Zinc	79.7		mg/kg dry	1.10	1.10	1	EPA 6010C	08/15/2014 08:06	08/15/2014 11:57	MW

### Mercury by 7473

Sample Prepared by Method: EPA 7473 soil

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0504		mg/kg dry	0.0329	0.0329	1	EPA 7473	08/14/2014 12:30	08/14/2014 15:29	ALD

### Total Solids

Sample Prepared by Method: % Solids Prep

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	91.2		%	0.100	0.100	1	SM 2540G	08/15/2014 09:34	08/15/2014 14:37	KK



## Sample Information

**Client Sample ID:** DUP

**York Sample ID:** 14H0523-10

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August 11, 2014 12:00 am

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### Volatile Organics, CT RCP List

Sample Prepared by Method: EPA 5035A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
563-58-6	1,1-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
142-28-9	1,3-Dichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
594-20-7	2,2-Dichloropropane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
95-49-8	2-Chlorotoluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
106-43-4	4-Chlorotoluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
67-64-1	Acetone	ND		ug/kg dry	2.2	8.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
107-13-1	Acrylonitrile	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
71-43-2	Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
108-86-1	Bromobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
75-25-2	Bromoform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS



## Sample Information

**Client Sample ID:** DUP

**York Sample ID:** 14H0523-10

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August 11, 2014 12:00 am

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08/11/2014

### Volatile Organics, CT RCP List

Sample Prepared by Method: EPA 5035A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
67-66-3	Chloroform	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
74-95-3	Dibromomethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
80-62-6	Methyl Methacrylate	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.2	8.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
91-20-3	Naphthalene	ND		ug/kg dry	2.2	8.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
104-51-8	n-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
103-65-1	n-Propylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.4	8.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
135-98-8	sec-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
100-42-5	Styrene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
98-06-6	tert-Butylbenzene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
109-99-9	Tetrahydrofuran	ND		ug/kg dry	4.4	8.8	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
108-88-3	Toluene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.2	4.4	1	EPA 8260C	08/15/2014 08:23	08/15/2014 21:33	SS



## Sample Information

**Client Sample ID:** DUP

**York Sample ID:** 14H0523-10

**York Project (SDG) No.**

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**Client Project ID**

New Lebanon School

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**Collection Date/Time**

August 11, 2014 12:00 am

**Date Received**

08/11/2014

### Volatile Organics, CT RCP List

Sample Prepared by Method: EPA 5035A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
<b>Surrogate Recoveries</b>											
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %				67-130					
460-00-4	Surrogate: p-Bromofluorobenzene	96.5 %				75-127					
2037-26-5	Surrogate: Toluene-d8	99.5 %				90-112					

### Semi-Volatiles, CT RCP BNA List

Sample Prepared by Method: EPA 3545A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
62-53-3	Aniline	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
120-12-7	Anthracene	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	151	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	151	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	151	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
218-01-9	Chrysene	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	151	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
86-74-8	Carbazole	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR



## Sample Information

**Client Sample ID:** DUP

**York Sample ID:** 14H0523-10

York Project (SDG) No.

14H0523

Client Project ID

New Lebanon School

Matrix

Soil

Collection Date/Time

August 11, 2014 12:00 am

Date Received

08/11/2014

### Semi-Volatiles, CT RCP BNA List

Sample Prepared by Method: EPA 3545A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ/MDL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	151	605	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	302	605	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	151	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
206-44-0	Fluoranthene	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
86-73-7	Fluorene	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	151	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
78-59-1	Isophorone	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
90-12-0	1-Methylnaphthalene	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	151	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	151	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
91-20-3	Naphthalene	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	151	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	151	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	151	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
82-68-8	Pentachloronitrobenzene	ND		ug/kg dry	151	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	151	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
85-01-8	Phenanthrene	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
108-95-2	Phenol	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
129-00-0	Pyrene	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
110-86-1	Pyridine	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	151	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR



## Sample Information

Client Sample ID: DUP

York Sample ID: 14H0523-10

York Project (SDG) No.

14H0523

Client Project ID

New Lebanon School

Matrix

Soil

Collection Date/Time

August 11, 2014 12:00 am

Date Received

08/11/2014

### Semi-Volatiles, CT RCP BNA List

Sample Prepared by Method: EPA 3545A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	78.6	302	1	EPA 8270D	08/13/2014 14:35	08/14/2014 22:21	SR
<b>Surrogate Recoveries</b>											
367-12-4	<i>Surrogate: 2-Fluorophenol</i>	42.2 %				10-105					
4165-62-2	<i>Surrogate: Phenol-d5</i>	34.2 %				10-118					
4165-60-0	<i>Surrogate: Nitrobenzene-d5</i>	38.6 %				10-140					
321-60-8	<i>Surrogate: 2-Fluorobiphenyl</i>	40.0 %				10-126					
118-79-6	<i>Surrogate: 2,4,6-Tribromophenol</i>	47.7 %				10-150					
1718-51-0	<i>Surrogate: Terphenyl-d14</i>	59.0 %				10-137					

### Pesticides, CT RCP Target List

Sample Prepared by Method: EPA 3545\_A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/kg dry	2.00	2.00	5	EPA 8081B	08/13/2014 17:00	08/14/2014 12:49	JW
72-55-9	4,4'-DDE	ND		ug/kg dry	2.00	2.00	5	EPA 8081B	08/13/2014 17:00	08/14/2014 12:49	JW
50-29-3	4,4'-DDT	ND		ug/kg dry	2.00	2.00	5	EPA 8081B	08/13/2014 17:00	08/14/2014 12:49	JW
15972-60-8	Alachlor	ND		ug/kg dry	2.00	2.00	5	EPA 8081B	08/13/2014 17:00	08/14/2014 12:49	JW
309-00-2	Aldrin	ND		ug/kg dry	2.00	2.00	5	EPA 8081B	08/13/2014 17:00	08/14/2014 12:49	JW
319-84-6	alpha-BHC	ND		ug/kg dry	2.00	2.00	5	EPA 8081B	08/13/2014 17:00	08/14/2014 12:49	JW
319-85-7	beta-BHC	ND		ug/kg dry	2.00	2.00	5	EPA 8081B	08/13/2014 17:00	08/14/2014 12:49	JW
57-74-9	Chlordane, total	ND		ug/kg dry	7.99	7.99	5	EPA 8081B	08/13/2014 17:00	08/14/2014 12:49	JW
319-86-8	delta-BHC	ND		ug/kg dry	2.00	2.00	5	EPA 8081B	08/13/2014 17:00	08/14/2014 12:49	JW
60-57-1	Dieldrin	ND		ug/kg dry	2.00	2.00	5	EPA 8081B	08/13/2014 17:00	08/14/2014 12:49	JW
959-98-8	Endosulfan I	ND		ug/kg dry	2.00	2.00	5	EPA 8081B	08/13/2014 17:00	08/14/2014 12:49	JW
33213-65-9	Endosulfan II	ND		ug/kg dry	2.00	2.00	5	EPA 8081B	08/13/2014 17:00	08/14/2014 12:49	JW
1031-07-8	Endosulfan sulfate	ND		ug/kg dry	2.00	2.00	5	EPA 8081B	08/13/2014 17:00	08/14/2014 12:49	JW
72-20-8	Endrin	ND		ug/kg dry	2.00	2.00	5	EPA 8081B	08/13/2014 17:00	08/14/2014 12:49	JW
7421-93-4	Endrin aldehyde	ND		ug/kg dry	2.00	2.00	5	EPA 8081B	08/13/2014 17:00	08/14/2014 12:49	JW
53494-70-5	Endrin ketone	ND		ug/kg dry	2.00	2.00	5	EPA 8081B	08/13/2014 17:00	08/14/2014 12:49	JW
58-89-9	gamma-BHC (Lindane)	ND		ug/kg dry	2.00	2.00	5	EPA 8081B	08/13/2014 17:00	08/14/2014 12:49	JW
76-44-8	Heptachlor	ND		ug/kg dry	2.00	2.00	5	EPA 8081B	08/13/2014 17:00	08/14/2014 12:49	JW
1024-57-3	Heptachlor epoxide	ND		ug/kg dry	2.00	2.00	5	EPA 8081B	08/13/2014 17:00	08/14/2014 12:49	JW
72-43-5	Methoxychlor	ND		ug/kg dry	9.98	9.98	5	EPA 8081B	08/13/2014 17:00	08/14/2014 12:49	JW
8001-35-2	Toxaphene	ND		ug/kg dry	101	101	5	EPA 8081B	08/13/2014 17:00	08/14/2014 12:49	JW
<b>Surrogate Recoveries</b>											
<b>Result</b>											
<b>Acceptance Range</b>											



## Sample Information

<u>Client Sample ID:</u> DUP		<u>York Sample ID:</u> 14H0523-10
<u>York Project (SDG) No.</u> 14H0523	<u>Client Project ID</u> New Lebanon School	<u>Matrix</u> Soil <u>Collection Date/Time</u> August 11, 2014 12:00 am <u>Date Received</u> 08/11/2014

### Pesticides, CT RCP Target List

Sample Prepared by Method: EPA 3545\_A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	113 %				30-140					
877-09-8	Surrogate: Tetrachloro-m-xylene	96.3 %				30-140					

### Polychlorinated Biphenyls(PCB RCP)

Sample Prepared by Method: EPA 3545\_A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0302	0.0302	1	EPA 8082A	08/13/2014 17:00	08/14/2014 14:30	AMC
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0302	0.0302	1	EPA 8082A	08/13/2014 17:00	08/14/2014 14:30	AMC
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0302	0.0302	1	EPA 8082A	08/13/2014 17:00	08/14/2014 14:30	AMC
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0302	0.0302	1	EPA 8082A	08/13/2014 17:00	08/14/2014 14:30	AMC
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0302	0.0302	1	EPA 8082A	08/13/2014 17:00	08/14/2014 14:30	AMC
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0302	0.0302	1	EPA 8082A	08/13/2014 17:00	08/14/2014 14:30	AMC
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0302	0.0302	1	EPA 8082A	08/13/2014 17:00	08/14/2014 14:30	AMC
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0302	0.0302	1	EPA 8082A	08/13/2014 17:00	08/14/2014 14:30	AMC
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0302	0.0302	1	EPA 8082A	08/13/2014 17:00	08/14/2014 14:30	AMC
1336-36-3	Total PCBs	ND		mg/kg dry	0.0302	0.0302	1	EPA 8082A	08/13/2014 17:00	08/14/2014 14:30	AMC
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
877-09-8	Surrogate: Tetrachloro-m-xylene	89.0 %				30-140					
2051-24-3	Surrogate: Decachlorobiphenyl	59.0 %				30-140					

### Herbicides, CT RCP

Sample Prepared by Method: EPA 3550B/8151A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1918-00-9	Dicamba	ND		ug/kg dry	24.2	24.2	1	EPA 8151A m	08/13/2014 05:58	08/14/2014 17:45	JW
94-75-7	2,4-D	ND		ug/kg dry	24.2	24.2	1	EPA 8151A m	08/13/2014 05:58	08/14/2014 17:45	JW
93-72-1	2,4,5-TP (Silvex)	ND		ug/kg dry	24.2	24.2	1	EPA 8151A m	08/13/2014 05:58	08/14/2014 17:45	JW
93-76-5	2,4,5-T	ND		ug/kg dry	24.2	24.2	1	EPA 8151A m	08/13/2014 05:58	08/14/2014 17:45	JW
75-99-0	Dalapon	ND		ug/kg dry	24.2	24.2	1	EPA 8151A m	08/13/2014 05:58	08/15/2014 02:13	JW
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (D	58.4 %				30-150					



## Sample Information

Client Sample ID: DUP

York Sample ID: 14H0523-10

York Project (SDG) No.

14H0523

Client Project ID

New Lebanon School

Matrix

Soil

Collection Date/Time

August 11, 2014 12:00 am

Date Received

08/11/2014

### Extractable Total Petroleum Hydrocarbons (ETPH)

Sample Prepared by Method: EPA 3545A

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
CT ETPH	ETPH (Extractable Total Petroleum Hydrocarbons)	ND		mg/kg dry	2.58	12.1	1	CT DEP ETPH	08/18/2014 08:30	08/19/2014 09:40	JW
<b>Surrogate Recoveries</b>											
3386-33-2 <i>Surrogate: 1-Chlorooctadecane</i>											
		<b>Result</b>			<b>Acceptance Range</b>						
		78.3 %			50-150						

### Metals, CTDEP RCP

Sample Prepared by Method: EPA 3050B

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/kg dry	0.605	0.605	1	EPA 6010C	08/15/2014 08:06	08/15/2014 12:27	MW
7440-38-2	<b>Arsenic</b>	<b>4.98</b>		mg/kg dry	1.21	1.21	1	EPA 6010C	08/15/2014 08:06	08/15/2014 12:27	MW
7440-39-3	<b>Barium</b>	<b>68.5</b>		mg/kg dry	1.21	1.21	1	EPA 6010C	08/15/2014 08:06	08/15/2014 12:27	MW
7440-41-7	Beryllium	ND		mg/kg dry	0.121	0.121	1	EPA 6010C	08/15/2014 08:06	08/15/2014 12:27	MW
7440-43-9	Cadmium	ND		mg/kg dry	0.363	0.363	1	EPA 6010C	08/15/2014 08:06	08/15/2014 12:27	MW
7440-47-3	<b>Chromium</b>	<b>27.8</b>		mg/kg dry	0.605	0.605	1	EPA 6010C	08/15/2014 08:06	08/15/2014 12:27	MW
7440-50-8	<b>Copper</b>	<b>19.9</b>		mg/kg dry	0.605	0.605	1	EPA 6010C	08/15/2014 08:06	08/15/2014 12:27	MW
7439-92-1	<b>Lead</b>	<b>10.8</b>		mg/kg dry	0.363	0.363	1	EPA 6010C	08/15/2014 08:06	08/15/2014 12:27	MW
7440-02-0	<b>Nickel</b>	<b>19.5</b>		mg/kg dry	0.605	0.605	1	EPA 6010C	08/15/2014 08:06	08/15/2014 12:27	MW
7782-49-2	<b>Selenium</b>	<b>2.67</b>		mg/kg dry	1.21	1.21	1	EPA 6010C	08/15/2014 08:06	08/15/2014 12:27	MW
7440-22-4	Silver	ND		mg/kg dry	0.605	0.605	1	EPA 6010C	08/15/2014 08:06	08/15/2014 12:27	MW
7440-28-0	Thallium	ND		mg/kg dry	1.21	1.21	1	EPA 6010C	08/15/2014 08:06	08/15/2014 12:27	MW
7440-62-2	<b>Vanadium</b>	<b>43.2</b>		mg/kg dry	1.21	1.21	1	EPA 6010C	08/15/2014 08:06	08/15/2014 12:27	MW
7440-66-6	<b>Zinc</b>	<b>39.9</b>		mg/kg dry	1.21	1.21	1	EPA 6010C	08/15/2014 08:06	08/15/2014 12:27	MW

### Mercury by 7473

Sample Prepared by Method: EPA 7473 soil

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	<b>Mercury</b>	<b>0.0773</b>		mg/kg dry	0.0363	0.0363	1	EPA 7473	08/14/2014 12:30	08/14/2014 16:11	ALD

### Total Solids

Sample Prepared by Method: % Solids Prep

#### Log-in Notes:

#### Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	82.6		%	0.100	0.100	1	SM 2540G	08/15/2014 09:34	08/15/2014 14:37	KK



## Sample Information

Client Sample ID: TB-1

York Sample ID: 14H0523-11

York Project (SDG) No.

14H0523

Client Project ID

New Lebanon School

Matrix

Water

Collection Date/Time

August 11, 2014 12:00 am

Date Received

08/11/2014

### Volatile Organics, CT RCP List

Sample Prepared by Method: EPA 5030B

Log-in Notes: VOA-Air

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	4.0	B	ug/L	1.0	2.0	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
78-93-3	2-Butanone	ND		ug/L	0.50	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS



## Sample Information

Client Sample ID: TB-1

York Sample ID: 14H0523-11

York Project (SDG) No.

14H0523

Client Project ID

New Lebanon School

Matrix

Water

Collection Date/Time

August 11, 2014 12:00 am

Date Received

08/11/2014

### Volatile Organics, CT RCP List

Sample Prepared by Method: EPA 5030B

Log-in Notes: VOA-Air

Sample Notes:

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
75-09-2	Methylene chloride	ND		ug/L	10	10	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
80-62-6	Methyl Methacrylate	ND		ug/L	0.50	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
109-99-9	Tetrahydrofuran	ND		ug/L	1.0	2.0	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	08/15/2014 09:36	08/15/2014 22:02	SS



## Sample Information

Client Sample ID: TB-1

York Sample ID: 14H0523-11

York Project (SDG) No.

14H0523

Client Project ID

New Lebanon School

Matrix

Water

Collection Date/Time

August 11, 2014 12:00 am

Date Received

08/11/2014

### Volatile Organics, CT RCP List

Log-in Notes: VOA-Air

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
<b>Surrogate Recoveries</b>											
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %				81-123					
2037-26-5	Surrogate: Toluene-d8	100 %				88-114					
460-00-4	Surrogate: p-Bromoiodobenzene	97.2 %				70-128					



## Analytical Batch Summary

**Batch ID:** BH40720**Preparation Method:** EPA 3545A**Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
14H0523-01	SB-1 4-5'	08/13/14
14H0523-02	SB-2 5-6'	08/13/14
14H0523-03	SB-3 10-11'	08/13/14
14H0523-04	SB-4 4-5'	08/13/14
14H0523-05	SB-5 2-3'	08/13/14
14H0523-10	DUP	08/13/14
BH40720-BLK1	Blank	08/13/14
BH40720-BS1	LCS	08/13/14
BH40720-BSD1	LCS Dup	08/13/14
BH40720-MS1	Matrix Spike	08/13/14

**Batch ID:** BH40723**Preparation Method:** EPA 3545\_A**Prepared By:** SA

YORK Sample ID	Client Sample ID	Preparation Date
14H0523-01	SB-1 4-5'	08/13/14
14H0523-01	SB-1 4-5'	08/13/14
14H0523-02	SB-2 5-6'	08/13/14
14H0523-02	SB-2 5-6'	08/13/14
14H0523-03	SB-3 10-11'	08/13/14
14H0523-03	SB-3 10-11'	08/13/14
14H0523-04	SB-4 4-5'	08/13/14
14H0523-04	SB-4 4-5'	08/13/14
14H0523-05	SB-5 2-3'	08/13/14
14H0523-05	SB-5 2-3'	08/13/14
14H0523-10	DUP	08/13/14
14H0523-10	DUP	08/13/14
BH40723-BLK1	Blank	08/13/14
BH40723-BLK1	Blank	08/13/14
BH40723-BS1	LCS	08/13/14
BH40723-BS2	LCS	08/13/14
BH40723-BSD1	LCS Dup	08/13/14
BH40723-MS1	Matrix Spike	08/13/14

**Batch ID:** BH40763**Preparation Method:** EPA 3550B/8151A**Prepared By:** TFD

YORK Sample ID	Client Sample ID	Preparation Date
14H0523-01	SB-1 4-5'	08/13/14
14H0523-02	SB-2 5-6'	08/13/14
14H0523-03	SB-3 10-11'	08/13/14
14H0523-05	SB-5 2-3'	08/13/14
14H0523-10	DUP	08/13/14
BH40763-BLK1	Blank	08/13/14
BH40763-BS1	LCS	08/13/14
BH40763-BSD1	LCS Dup	08/13/14
BH40763-MS1	Matrix Spike	08/13/14

**Batch ID:** BH40764**Preparation Method:** EPA 7473 soil**Prepared By:** ALD

YORK Sample ID

Client Sample ID

Preparation Date

14H0523-01	SB-1 4-5'	08/14/14
14H0523-02	SB-2 5-6'	08/14/14
BH40764-BLK1	Blank	08/14/14
BH40764-SRM1	Reference	08/14/14

**Batch ID:** BH40795**Preparation Method:** EPA 7473 soil**Prepared By:** ALD

YORK Sample ID

Client Sample ID

Preparation Date

14H0523-03	SB-3 10-11'	08/14/14
14H0523-04	SB-4 4-5'	08/14/14
14H0523-05	SB-5 2-3'	08/14/14
14H0523-10	DUP	08/14/14
BH40795-BLK1	Blank	08/14/14
BH40795-DUP1	Duplicate	08/14/14
BH40795-MS1	Matrix Spike	08/14/14
BH40795-SRM1	Reference	08/14/14

**Batch ID:** BH40817**Preparation Method:** EPA 3545A**Prepared By:** SA

YORK Sample ID

Client Sample ID

Preparation Date

14H0523-04	SB-4 4-5'	08/14/14
BH40817-BLK1	Blank	08/14/14
BH40817-BS1	LCS	08/14/14
BH40817-BSD1	LCS Dup	08/14/14
BH40817-MS1	Matrix Spike	08/14/14

**Batch ID:** BH40842**Preparation Method:** EPA 3050B**Prepared By:** MW

YORK Sample ID

Client Sample ID

Preparation Date

14H0523-01	SB-1 4-5'	08/15/14
14H0523-02	SB-2 5-6'	08/15/14
14H0523-03	SB-3 10-11'	08/15/14
14H0523-04	SB-4 4-5'	08/15/14
14H0523-05	SB-5 2-3'	08/15/14
14H0523-10	DUP	08/15/14
BH40842-BLK1	Blank	08/15/14
BH40842-SRM1	Reference	08/15/14

**Batch ID:** BH40853**Preparation Method:** % Solids Prep**Prepared By:** KK

YORK Sample ID

Client Sample ID

Preparation Date

14H0523-01	SB-1 4-5'	08/15/14
14H0523-02	SB-2 5-6'	08/15/14
14H0523-03	SB-3 10-11'	08/15/14



14H0523-04	SB-4 4-5'	08/15/14
14H0523-05	SB-5 2-3'	08/15/14
14H0523-10	DUP	08/15/14

**Batch ID:** BH40876      **Preparation Method:** EPA 5035A      **Prepared By:** BK

YORK Sample ID	Client Sample ID	Preparation Date
14H0523-01	SB-1 4-5'	08/15/14
14H0523-02	SB-2 5-6'	08/15/14
14H0523-03	SB-3 10-11'	08/15/14
14H0523-04	SB-4 4-5'	08/15/14
14H0523-05	SB-5 2-3'	08/15/14
14H0523-10	DUP	08/15/14
BH40876-BLK1	Blank	08/15/14
BH40876-BS1	LCS	08/15/14
BH40876-BSD1	LCS Dup	08/15/14

**Batch ID:** BH40890      **Preparation Method:** EPA 5030B      **Prepared By:** OW

YORK Sample ID	Client Sample ID	Preparation Date
14H0523-11	TB-1	08/15/14
BH40890-BLK1	Blank	08/15/14
BH40890-BS1	LCS	08/15/14
BH40890-BSD1	LCS Dup	08/15/14

**Batch ID:** BH40898      **Preparation Method:** EPA 3550B/8151A      **Prepared By:** TFD

YORK Sample ID	Client Sample ID	Preparation Date
14H0523-04	SB-4 4-5'	08/18/14
BH40898-BLK1	Blank	08/18/14
BH40898-BS1	LCS	08/18/14
BH40898-BSD1	LCS Dup	08/18/14

**Batch ID:** BH40908      **Preparation Method:** EPA 3545A      **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
14H0523-01	SB-1 4-5'	08/18/14
14H0523-02	SB-2 5-6'	08/18/14
14H0523-03	SB-3 10-11'	08/18/14
14H0523-05	SB-5 2-3'	08/18/14
14H0523-10	DUP	08/18/14
BH40908-BLK1	Blank	08/18/14
BH40908-BS1	LCS	08/18/14
BH40908-BSD1	LCS Dup	08/18/14

**Batch ID:** BH40925      **Preparation Method:** EPA 5035A      **Prepared By:** BK

YORK Sample ID	Client Sample ID	Preparation Date
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14H0523-02RE1	SB-2 5-6'	08/18/14
14H0523-03RE1	SB-3 10-11'	08/18/14
BH40925-BLK1	Blank	08/18/14
BH40925-BS1	LCS	08/18/14
BH40925-BSD1	LCS Dup	08/18/14



## Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	Flag
<b>Batch BH40876 - EPA 5035A</b>											
<b>Blank (BH40876-BLK1)</b>											
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet						Prepared & Analyzed: 08/15/2014		
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl Methacrylate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								



## Volatile Organic Compounds by GC/MS - Quality Control Data

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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### Batch BH40876 - EPA 5035A

#### Blank (BH40876-BLK1)

Methylene chloride	ND	10	ug/kg wet								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Tetrahydrofuran	ND	10	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	51.2		ug/L	50.0		102	67-130				
<i>Surrogate: p-Bromofluorobenzene</i>	50.2		"	50.0		100	75-127				
<i>Surrogate: Toluene-d8</i>	50.3		"	50.0		101	90-112				

#### LCS (BH40876-BS1)

1,1,1,2-Tetrachloroethane	50.4		ug/L	50.0		101	72-126				
1,1,1-Trichloroethane	50.3		"	50.0		101	74-126				
1,1,2,2-Tetrachloroethane	54.5		"	50.0		109	72-133				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	73.0		"	50.0		146	47-160				
1,1,2-Trichloroethane	51.2		"	50.0		102	81-124				
1,1-Dichloroethane	49.7		"	50.0		99.3	80-125				
1,1-Dichloroethylene	48.2		"	50.0		96.4	62-136				
1,1-Dichloropropylene	48.2		"	50.0		96.5	81-121				
1,2,3-Trichlorobenzene	49.1		"	50.0		98.2	63-154				
1,2,3-Trichloropropane	50.7		"	50.0		101	70-126				
1,2,4-Trichlorobenzene	49.9		"	50.0		99.8	61-158				
1,2,4-Trimethylbenzene	53.1		"	50.0		106	83-123				
1,2-Dibromo-3-chloropropane	51.0		"	50.0		102	48-152				
1,2-Dibromoethane	52.8		"	50.0		106	81-123				
1,2-Dichlorobenzene	47.7		"	50.0		95.4	81-117				
1,2-Dichloroethane	50.0		"	50.0		99.9	67-129				
1,2-Dichloropropane	52.0		"	50.0		104	74-127				
1,3,5-Trimethylbenzene	52.7		"	50.0		105	81-120				
1,3-Dichlorobenzene	49.0		"	50.0		98.0	84-117				
1,3-Dichloropropane	52.3		"	50.0		105	77-125				
1,4-Dichlorobenzene	47.3		"	50.0		94.6	85-118				
2,2-Dichloropropane	50.4		"	50.0		101	69-129				
2-Butanone	50.8		"	50.0		102	58-159				
2-Chlorotoluene	51.4		"	50.0		103	75-123				
2-Hexanone	54.8		"	50.0		110	50-154				
4-Chlorotoluene	52.1		"	50.0		104	76-121				
4-Methyl-2-pentanone	53.4		"	50.0		107	53-149				
Acetone	47.8		"	50.0		95.6	32-173				



## Volatile Organic Compounds by GC/MS - Quality Control Data

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH40876 - EPA 5035A</b>											
<b>LCS (BH40876-BS1)</b>											
Prepared & Analyzed: 08/15/2014											
Acrylonitrile	49.7		ug/L	50.0	99.5		50-158				
Benzene	49.3		"	50.0	98.5		83-126				
Bromobenzene	53.4		"	50.0	107		70-130				
Bromochloromethane	52.2		"	50.0	104		73-128				
Bromodichloromethane	54.4		"	50.0	109		74-126				
Bromoform	53.5		"	50.0	107		63-137				
Bromomethane	53.8		"	50.0	108		24-144				
Carbon disulfide	48.5		"	50.0	96.9		29-64	High Bias			
Carbon tetrachloride	48.0		"	50.0	96.1		68-132				
Chlorobenzene	48.3		"	50.0	96.5		87-115				
Chloroethane	43.5		"	50.0	86.9		39-146				
Chloroform	49.6		"	50.0	99.3		84-120				
Chloromethane	46.9		"	50.0	93.8		35-153				
cis-1,2-Dichloroethylene	48.7		"	50.0	97.4		86-121				
cis-1,3-Dichloropropylene	53.6		"	50.0	107		78-122				
Dibromochloromethane	52.7		"	50.0	105		41-149				
Dibromomethane	50.0		"	50.0	100		82-118				
Dichlorodifluoromethane	43.7		"	50.0	87.4		52-143				
Ethyl Benzene	49.7		"	50.0	99.5		81-118				
Hexachlorobutadiene	49.6		"	50.0	99.2		70-133				
Isopropylbenzene	51.8		"	50.0	104		78-122				
Methyl Methacrylate	53.8		"	50.0	108		73-131				
Methyl tert-butyl ether (MTBE)	50.1		"	50.0	100		62-140				
Methylene chloride	48.8		"	50.0	97.5		48-143				
Naphthalene	51.4		"	50.0	103		55-160				
n-Butylbenzene	51.4		"	50.0	103		71-142				
n-Propylbenzene	52.4		"	50.0	105		80-123				
o-Xylene	53.8		"	50.0	108		81-118				
p- & m- Xylenes	102		"	100	102		80-120				
p-Isopropyltoluene	49.5		"	50.0	99.0		83-126				
sec-Butylbenzene	51.8		"	50.0	104		84-123				
Styrene	51.3		"	50.0	103		85-115				
tert-Butylbenzene	54.7		"	50.0	109		78-122				
Tetrachloroethylene	49.7		"	50.0	99.5		76-129				
Tetrahydrofuran	48.7		"	50.0	97.5		67-127				
Toluene	51.0		"	50.0	102		85-116				
trans-1,2-Dichloroethylene	48.1		"	50.0	96.2		66-136				
trans-1,3-Dichloropropylene	55.0		"	50.0	110		71-128				
trans-1,4-dichloro-2-butene	56.2		"	50.0	112		70-130				
Trichloroethylene	50.1		"	50.0	100		83-118				
Trichlorofluoromethane	44.7		"	50.0	89.4		54-141				
Vinyl Chloride	44.8		"	50.0	89.6		38-147				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	51.5		"	50.0	103		67-130				
<i>Surrogate: p-Bromofluorobenzene</i>	52.5		"	50.0	105		75-127				
<i>Surrogate: Toluene-d8</i>	52.7		"	50.0	105		90-112				



## Volatile Organic Compounds by GC/MS - Quality Control Data

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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### Batch BH40876 - EPA 5035A

LCS Dup (BH40876-BSD1)	Prepared & Analyzed: 08/15/2014									
1,1,1,2-Tetrachloroethane	50.9		ug/L	50.0	102	72-126			1.16	30
1,1,1-Trichloroethane	50.0		"	50.0	100	74-126			0.678	30
1,1,2,2-Tetrachloroethane	52.9		"	50.0	106	72-133			3.03	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	70.0		"	50.0	140	47-160			4.29	30
1,1,2-Trichloroethane	51.8		"	50.0	104	81-124			1.28	30
1,1-Dichloroethane	50.4		"	50.0	101	80-125			1.56	30
1,1-Dichloroethylene	47.6		"	50.0	95.2	62-136			1.23	30
1,1-Dichloropropylene	47.9		"	50.0	95.8	81-121			0.749	30
1,2,3-Trichlorobenzene	51.1		"	50.0	102	63-154			3.89	30
1,2,3-Trichloropropane	49.2		"	50.0	98.4	70-126			3.12	30
1,2,4-Trichlorobenzene	50.3		"	50.0	101	61-158			0.719	30
1,2,4-Trimethylbenzene	51.5		"	50.0	103	83-123			3.10	30
1,2-Dibromo-3-chloropropane	56.0		"	50.0	112	48-152			9.41	30
1,2-Dibromoethane	52.3		"	50.0	105	81-123			1.01	30
1,2-Dichlorobenzene	50.5		"	50.0	101	81-117			5.76	30
1,2-Dichloroethane	49.4		"	50.0	98.8	67-129			1.15	30
1,2-Dichloropropane	53.7		"	50.0	107	74-127			3.06	30
1,3,5-Trimethylbenzene	51.2		"	50.0	102	81-120			2.85	30
1,3-Dichlorobenzene	49.3		"	50.0	98.6	84-117			0.651	30
1,3-Dichloropropane	53.2		"	50.0	106	77-125			1.65	30
1,4-Dichlorobenzene	49.0		"	50.0	97.9	85-118			3.43	30
2,2-Dichloropropane	49.9		"	50.0	99.8	69-129			1.08	30
2-Butanone	50.4		"	50.0	101	58-159			0.672	30
2-Chlorotoluene	50.2		"	50.0	100	75-123			2.30	30
2-Hexanone	52.8		"	50.0	106	50-154			3.59	30
4-Chlorotoluene	52.1		"	50.0	104	76-121			0.0960	30
4-Methyl-2-pentanone	54.2		"	50.0	108	53-149			1.39	30
Acetone	50.0		"	50.0	100	32-173			4.54	30
Acrylonitrile	48.1		"	50.0	96.2	50-158			3.37	30
Benzene	48.2		"	50.0	96.4	83-126			2.17	30
Bromobenzene	54.8		"	50.0	110	70-130			2.61	30
Bromo(chloromethane	50.5		"	50.0	101	73-128			3.25	30
Bromodichloromethane	54.1		"	50.0	108	74-126			0.553	30
Bromoform	52.2		"	50.0	104	63-137			2.44	30
Bromomethane	55.0		"	50.0	110	24-144			2.21	30
Carbon disulfide	47.6		"	50.0	95.3	29-64	High Bias		1.73	30
Carbon tetrachloride	48.7		"	50.0	97.5	68-132			1.43	30
Chlorobenzene	49.2		"	50.0	98.4	87-115			1.91	30
Chloroethane	48.2		"	50.0	96.3	39-146			10.2	30
Chloroform	49.0		"	50.0	97.9	84-120			1.38	30
Chloromethane	47.9		"	50.0	95.7	35-153			2.09	30
cis-1,2-Dichloroethylene	49.0		"	50.0	98.1	86-121			0.655	30
cis-1,3-Dichloropropylene	54.2		"	50.0	108	78-122			1.08	30
Dibromo(chloromethane	53.0		"	50.0	106	41-149			0.454	30
Dibromomethane	50.8		"	50.0	102	82-118			1.51	30
Dichlorodifluoromethane	44.1		"	50.0	88.2	52-143			0.957	30
Ethyl Benzene	51.1		"	50.0	102	81-118			2.72	30
Hexachlorobutadiene	52.6		"	50.0	105	70-133			6.01	30
Isopropylbenzene	53.6		"	50.0	107	78-122			3.43	30
Methyl Methacrylate	54.4		"	50.0	109	73-131			1.02	30
Methyl tert-butyl ether (MTBE)	47.0		"	50.0	94.0	62-140			6.41	30



### Volatile Organic Compounds by GC/MS - Quality Control Data

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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#### **Batch BH40876 - EPA 5035A**

LCS Dup (BH40876-BSD1)								Prepared & Analyzed: 08/15/2014			
Methylene chloride	49.0		ug/L	50.0	97.9	48-143			0.409	30	
Naphthalene	50.0		"	50.0	100	55-160			2.68	30	
n-Butylbenzene	52.1		"	50.0	104	71-142			1.39	30	
n-Propylbenzene	52.8		"	50.0	106	80-123			0.741	30	
o-Xylene	54.5		"	50.0	109	81-118			1.24	30	
p- & m- Xylenes	98.6		"	100	98.6	80-120			3.01	30	
p-Isopropyltoluene	50.6		"	50.0	101	83-126			2.18	30	
sec-Butylbenzene	51.5		"	50.0	103	84-123			0.638	30	
Styrene	52.7		"	50.0	105	85-115			2.75	30	
tert-Butylbenzene	55.5		"	50.0	111	78-122			1.49	30	
Tetrachloroethylene	50.6		"	50.0	101	76-129			1.64	30	
Tetrahydrofuran	49.2		"	50.0	98.5	67-127			1.06	30	
Toluene	52.1		"	50.0	104	85-116			2.17	30	
trans-1,2-Dichloroethylene	47.3		"	50.0	94.6	66-136			1.64	30	
trans-1,3-Dichloropropylene	55.8		"	50.0	112	71-128			1.50	30	
trans-1,4-dichloro-2-butene	51.2		"	50.0	102	70-130			9.35	30	
Trichloroethylene	51.9		"	50.0	104	83-118			3.53	30	
Trichlorofluoromethane	45.4		"	50.0	90.9	54-141			1.62	30	
Vinyl Chloride	46.2		"	50.0	92.4	38-147			3.10	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	48.9		"	50.0	97.9	67-130					
<i>Surrogate: p-Bromofluorobenzene</i>	51.9		"	50.0	104	75-127					
<i>Surrogate: Toluene-d8</i>	50.6		"	50.0	101	90-112					

#### **Batch BH40890 - EPA 5030B**

Blank (BH40890-BLK1)				Prepared & Analyzed: 08/15/2014							
Acetone	2.8	2.0	ug/L								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
2-Butanone	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
n-Butylbenzene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								



## Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH40890 - EPA 5030B</b>											
<b>Blank (BH40890-BLK1)</b>											
1,4-Dichlorobenzene	ND	0.50	ug/L								
1,2-Dichlorobenzene	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
p-Isopropyltoluene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Methyl Methacrylate	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Naphthalene	3.0	2.0	"								
n-Propylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
1,1,1,2-Tetrachloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Tetrahydrofuran	ND	2.0	"								
Toluene	ND	0.50	"								
1,2,3-Trichlorobenzene	1.6	0.50	"								
1,2,4-Trichlorobenzene	1.0	0.50	"								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	51.2		"	50.0		102	81-123				
<i>Surrogate: Toluene-d8</i>	50.3		"	50.0		101	88-114				
<i>Surrogate: p-Bromofluorobenzene</i>	50.2		"	50.0		100	70-128				



## Volatile Organic Compounds by GC/MS - Quality Control Data

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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### **Batch BH40890 - EPA 5030B**

#### **LCS (BH40890-BS1)**

Prepared & Analyzed: 08/15/2014

Acetone	47.8		ug/L	50.0	95.6	21-172					
Acrylonitrile	49.7		"	50.0	99.5	49-160					
Benzene	49.3		"	50.0	98.5	82-120					
Bromobenzene	53.4		"	50.0	107	82-119					
Bromochloromethane	52.2		"	50.0	104	69-125					
Bromodichloromethane	54.4		"	50.0	109	84-117					
Bromoform	53.5		"	50.0	107	77-130					
Bromomethane	53.8		"	50.0	108	16-162					
2-Butanone	50.8		"	50.0	102	48-156					
sec-Butylbenzene	51.8		"	50.0	104	85-119					
n-Butylbenzene	51.4		"	50.0	103	76-125					
tert-Butylbenzene	54.7		"	50.0	109	83-119					
Carbon disulfide	48.5		"	50.0	96.9	21-78	High Bias				
Carbon tetrachloride	48.0		"	50.0	96.1	72-132					
Chlorobenzene	48.3		"	50.0	96.5	88-112					
Chloroethane	43.5		"	50.0	86.9	29-172					
Chloroform	49.6		"	50.0	99.3	77-124					
Chloromethane	46.9		"	50.0	93.8	37-131					
2-Chlorotoluene	51.4		"	50.0	103	81-118					
4-Chlorotoluene	52.1		"	50.0	104	81-117					
1,2-Dibromo-3-chloropropane	51.0		"	50.0	102	60-146					
Dibromochloromethane	52.7		"	50.0	105	72-131					
1,2-Dibromoethane	52.8		"	50.0	106	82-122					
Dibromomethane	50.0		"	50.0	100	85-116					
trans-1,4-dichloro-2-butene	56.2		"	50.0	112	70-130					
1,3-Dichlorobenzene	49.0		"	50.0	98.0	83-117					
1,4-Dichlorobenzene	47.3		"	50.0	94.6	83-118					
1,2-Dichlorobenzene	47.7		"	50.0	95.4	85-115					
Dichlorodifluoromethane	43.7		"	50.0	87.4	47-152					
1,1-Dichloroethane	49.7		"	50.0	99.3	70-131					
1,2-Dichloroethane	50.0		"	50.0	99.9	72-126					
cis-1,2-Dichloroethylene	48.7		"	50.0	97.4	77-124					
1,1-Dichloroethylene	48.2		"	50.0	96.4	60-143					
trans-1,2-Dichloroethylene	48.1		"	50.0	96.2	55-148					
2,2-Dichloropropane	50.4		"	50.0	101	60-135					
1,2-Dichloropropane	52.0		"	50.0	104	78-119					
1,3-Dichloropropane	52.3		"	50.0	105	79-121					
trans-1,3-Dichloropropylene	55.0		"	50.0	110	77-120					
1,1-Dichloropropylene	48.2		"	50.0	96.5	78-122					
cis-1,3-Dichloropropylene	53.6		"	50.0	107	81-117					
Ethyl Benzene	49.7		"	50.0	99.5	86-114					
Hexachlorobutadiene	49.6		"	50.0	99.2	68-139					
2-Hexanone	54.8		"	50.0	110	50-151					
Isopropylbenzene	51.8		"	50.0	104	84-118					
p-Isopropyltoluene	49.5		"	50.0	99.0	84-121					
Methyl tert-butyl ether (MTBE)	50.1		"	50.0	100	49-156					
Methylene chloride	48.8		"	50.0	97.5	51-145					
Methyl Methacrylate	53.8		"	50.0	108	70-130					
4-Methyl-2-pentanone	53.4		"	50.0	107	55-147					
Naphthalene	51.4		"	50.0	103	67-141					
n-Propylbenzene	52.4		"	50.0	105	84-118					



## Volatile Organic Compounds by GC/MS - Quality Control Data

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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### Batch BH40890 - EPA 5030B

LCS (BH40890-BS1)							Prepared & Analyzed: 08/15/2014			
Styrene	51.3		ug/L	50.0	103		77-126			
1,1,1,2-Tetrachloroethane	50.4		"	50.0	101		85-118			
1,1,2,2-Tetrachloroethane	54.5		"	50.0	109		71-130			
Tetrachloroethylene	49.7		"	50.0	99.5		75-129			
Tetrahydrofuran	48.7		"	50.0	97.5		70-130			
Toluene	51.0		"	50.0	102		86-113			
1,2,3-Trichlorobenzene	49.1		"	50.0	98.2		68-140			
1,2,4-Trichlorobenzene	49.9		"	50.0	99.8		65-143			
1,1,1-Trichloroethane	50.3		"	50.0	101		74-128			
1,1,2-Trichloroethane	51.2		"	50.0	102		80-122			
Trichloroethylene	50.1		"	50.0	100		85-115			
Trichlorofluoromethane	44.7		"	50.0	89.4		69-131			
1,2,3-Trichloropropane	50.7		"	50.0	101		77-125			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	73.0		"	50.0	146		51-157			
1,3,5-Trimethylbenzene	52.7		"	50.0	105		84-118			
1,2,4-Trimethylbenzene	53.1		"	50.0	106		83-121			
Vinyl Chloride	44.8		"	50.0	89.6		44-152			
o-Xylene	53.8		"	50.0	108		85-114			
p- & m- Xylenes	102		"	100	102		84-117			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	51.5		"	50.0	103		81-123			
<i>Surrogate: Toluene-d8</i>	52.7		"	50.0	105		88-114			
<i>Surrogate: p-Bromofluorobenzene</i>	52.5		"	50.0	105		70-128			

LCS Dup (BH40890-BSD1)							Prepared & Analyzed: 08/15/2014			
Acetone	50.0		ug/L	50.0	100		21-172		4.54	30
Acrylonitrile	48.1		"	50.0	96.2		49-160		3.37	30
Benzene	48.2		"	50.0	96.4		82-120		2.17	30
Bromobenzene	54.8		"	50.0	110		82-119		2.61	30
Bromochloromethane	50.5		"	50.0	101		69-125		3.25	30
Bromodichloromethane	54.1		"	50.0	108		84-117		0.553	30
Bromoform	52.2		"	50.0	104		77-130		2.44	30
Bromomethane	55.0		"	50.0	110		16-162		2.21	30
2-Butanone	50.4		"	50.0	101		48-156		0.672	30
sec-Butylbenzene	51.5		"	50.0	103		85-119		0.638	30
n-Butylbenzene	52.1		"	50.0	104		76-125		1.39	30
tert-Butylbenzene	55.5		"	50.0	111		83-119		1.49	30
Carbon disulfide	47.6		"	50.0	95.3	21-78	High Bias	1.73	30	
Carbon tetrachloride	48.7		"	50.0	97.5		72-132		1.43	30
Chlorobenzene	49.2		"	50.0	98.4		88-112		1.91	30
Chloroethane	48.2		"	50.0	96.3		29-172		10.2	30
Chloroform	49.0		"	50.0	97.9		77-124		1.38	30
Chloromethane	47.9		"	50.0	95.7		37-131		2.09	30
2-Chlorotoluene	50.2		"	50.0	100		81-118		2.30	30
4-Chlorotoluene	52.1		"	50.0	104		81-117		0.0960	30
1,2-Dibromo-3-chloropropane	56.0		"	50.0	112		60-146		9.41	30
Dibromochloromethane	53.0		"	50.0	106		72-131		0.454	30
1,2-Dibromoethane	52.3		"	50.0	105		82-122		1.01	30
Dibromomethane	50.8		"	50.0	102		85-116		1.51	30
trans-1,4-dichloro-2-butene	51.2		"	50.0	102		70-130		9.35	30
1,3-Dichlorobenzene	49.3		"	50.0	98.6		83-117		0.651	30
1,4-Dichlorobenzene	49.0		"	50.0	97.9		83-118		3.43	30
1,2-Dichlorobenzene	50.5		"	50.0	101		85-115		5.76	30



## Volatile Organic Compounds by GC/MS - Quality Control Data

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH40890 - EPA 5030B</b>											
<b>LCS Dup (BH40890-BSD1)</b>											
Prepared & Analyzed: 08/15/2014											
Dichlorodifluoromethane	44.1		ug/L	50.0	88.2	47-152			0.957	30	
1,1-Dichloroethane	50.4		"	50.0	101	70-131			1.56	30	
1,2-Dichloroethane	49.4		"	50.0	98.8	72-126			1.15	30	
cis-1,2-Dichloroethylene	49.0		"	50.0	98.1	77-124			0.655	30	
1,1-Dichloroethylene	47.6		"	50.0	95.2	60-143			1.23	30	
trans-1,2-Dichloroethylene	47.3		"	50.0	94.6	55-148			1.64	30	
2,2-Dichloropropane	49.9		"	50.0	99.8	60-135			1.08	30	
1,2-Dichloropropane	53.7		"	50.0	107	78-119			3.06	30	
1,3-Dichloropropane	53.2		"	50.0	106	79-121			1.65	30	
trans-1,3-Dichloropropylene	55.8		"	50.0	112	77-120			1.50	30	
1,1-Dichloropropylene	47.9		"	50.0	95.8	78-122			0.749	30	
cis-1,3-Dichloropropylene	54.2		"	50.0	108	81-117			1.08	30	
Ethyl Benzene	51.1		"	50.0	102	86-114			2.72	30	
Hexachlorobutadiene	52.6		"	50.0	105	68-139			6.01	30	
2-Hexanone	52.8		"	50.0	106	50-151			3.59	30	
Isopropylbenzene	53.6		"	50.0	107	84-118			3.43	30	
p-Isopropyltoluene	50.6		"	50.0	101	84-121			2.18	30	
Methyl tert-butyl ether (MTBE)	47.0		"	50.0	94.0	49-156			6.41	30	
Methylene chloride	49.0		"	50.0	97.9	51-145			0.409	30	
Methyl Methacrylate	54.4		"	50.0	109	70-130			1.02	30	
4-Methyl-2-pentanone	54.2		"	50.0	108	55-147			1.39	30	
Naphthalene	50.0		"	50.0	100	67-141			2.68	30	
n-Propylbenzene	52.8		"	50.0	106	84-118			0.741	30	
Styrene	52.7		"	50.0	105	77-126			2.75	30	
1,1,1,2-Tetrachloroethane	50.9		"	50.0	102	85-118			1.16	30	
1,1,2,2-Tetrachloroethane	52.9		"	50.0	106	71-130			3.03	30	
Tetrachloroethylene	50.6		"	50.0	101	75-129			1.64	30	
Tetrahydrofuran	49.2		"	50.0	98.5	70-130			1.06	30	
Toluene	52.1		"	50.0	104	86-113			2.17	30	
1,2,3-Trichlorobenzene	51.1		"	50.0	102	68-140			3.89	30	
1,2,4-Trichlorobenzene	50.3		"	50.0	101	65-143			0.719	30	
1,1,1-Trichloroethane	50.0		"	50.0	100	74-128			0.678	30	
1,1,2-Trichloroethane	51.8		"	50.0	104	80-122			1.28	30	
Trichloroethylene	51.9		"	50.0	104	85-115			3.53	30	
Trichlorofluoromethane	45.4		"	50.0	90.9	69-131			1.62	30	
1,2,3-Trichloropropane	49.2		"	50.0	98.4	77-125			3.12	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	70.0		"	50.0	140	51-157			4.29	30	
1,3,5-Trimethylbenzene	51.2		"	50.0	102	84-118			2.85	30	
1,2,4-Trimethylbenzene	51.5		"	50.0	103	83-121			3.10	30	
Vinyl Chloride	46.2		"	50.0	92.4	44-152			3.10	30	
o-Xylene	54.5		"	50.0	109	85-114			1.24	30	
p- & m- Xylenes	98.6		"	100	98.6	84-117			3.01	30	
Surrogate: 1,2-Dichloroethane-d4	48.9		"	50.0	97.9	81-123					
Surrogate: Toluene-d8	50.6		"	50.0	101	88-114					
Surrogate: p-Bromofluorobenzene	51.9		"	50.0	104	70-128					



## Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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### Batch BH40925 - EPA 5035A

#### Blank (BH40925-BLK1)

Prepared & Analyzed: 08/18/2014

1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,1-Dichloropropylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,3-Dichloropropane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
2,2-Dichloropropane	ND	5.0	"								
2-Butanone	ND	5.0	"								
2-Chlorotoluene	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Chlorotoluene	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromobenzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl Methacrylate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								



## Volatile Organic Compounds by GC/MS - Quality Control Data

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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### Batch BH40925 - EPA 5035A

#### Blank (BH40925-BLK1)

Methylene chloride	ND	10	ug/kg wet								
Naphthalene	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Tetrahydrofuran	ND	10	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	51.1		ug/L	50.0		102	67-130				
<i>Surrogate: p-Bromofluorobenzene</i>	49.7		"	50.0		99.4	75-127				
<i>Surrogate: Toluene-d8</i>	51.9		"	50.0		104	90-112				

#### LCS (BH40925-BS1)

1,1,1,2-Tetrachloroethane	52.2		ug/L	50.0		104	72-126				
1,1,1-Trichloroethane	48.4		"	50.0		96.7	74-126				
1,1,2,2-Tetrachloroethane	58.5		"	50.0		117	72-133				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	69.2		"	50.0		138	47-160				
1,1,2-Trichloroethane	54.2		"	50.0		108	81-124				
1,1-Dichloroethane	49.4		"	50.0		98.7	80-125				
1,1-Dichloroethylene	45.8		"	50.0		91.6	62-136				
1,1-Dichloropropylene	44.9		"	50.0		89.7	81-121				
1,2,3-Trichlorobenzene	55.6		"	50.0		111	63-154				
1,2,3-Trichloropropane	53.6		"	50.0		107	70-126				
1,2,4-Trichlorobenzene	53.9		"	50.0		108	61-158				
1,2,4-Trimethylbenzene	56.2		"	50.0		112	83-123				
1,2-Dibromo-3-chloropropane	62.1		"	50.0		124	48-152				
1,2-Dibromoethane	54.1		"	50.0		108	81-123				
1,2-Dichlorobenzene	51.0		"	50.0		102	81-117				
1,2-Dichloroethane	48.1		"	50.0		96.2	67-129				
1,2-Dichloropropane	55.7		"	50.0		111	74-127				
1,3,5-Trimethylbenzene	54.3		"	50.0		109	81-120				
1,3-Dichlorobenzene	52.8		"	50.0		106	84-117				
1,3-Dichloropropane	55.1		"	50.0		110	77-125				
1,4-Dichlorobenzene	53.3		"	50.0		107	85-118				
2,2-Dichloropropane	49.6		"	50.0		99.1	69-129				
2-Butanone	57.1		"	50.0		114	58-159				
2-Chlorotoluene	56.1		"	50.0		112	75-123				
2-Hexanone	65.2		"	50.0		130	50-154				
4-Chlorotoluene	54.3		"	50.0		109	76-121				
4-Methyl-2-pentanone	59.9		"	50.0		120	53-149				
Acetone	60.9		"	50.0		122	32-173				



## Volatile Organic Compounds by GC/MS - Quality Control Data

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH40925 - EPA 5035A</b>											
<b>LCS (BH40925-BS1)</b>											
Prepared & Analyzed: 08/18/2014											
Acrylonitrile	49.1		ug/L	50.0	98.2	50-158					
Benzene	46.8		"	50.0	93.7	83-126					
Bromobenzene	58.2		"	50.0	116	70-130					
Bromochloromethane	49.7		"	50.0	99.4	73-128					
Bromodichloromethane	55.4		"	50.0	111	74-126					
Bromoform	57.4		"	50.0	115	63-137					
Bromomethane	47.0		"	50.0	93.9	24-144					
Carbon disulfide	44.8		"	50.0	89.7	29-64	High Bias				
Carbon tetrachloride	46.6		"	50.0	93.3	68-132					
Chlorobenzene	51.0		"	50.0	102	87-115					
Chloroethane	45.2		"	50.0	90.5	39-146					
Chloroform	48.4		"	50.0	96.9	84-120					
Chloromethane	45.0		"	50.0	90.1	35-153					
cis-1,2-Dichloroethylene	46.5		"	50.0	93.0	86-121					
cis-1,3-Dichloropropylene	58.5		"	50.0	117	78-122					
Dibromochloromethane	55.3		"	50.0	111	41-149					
Dibromomethane	53.4		"	50.0	107	82-118					
Dichlorodifluoromethane	35.7		"	50.0	71.3	52-143					
Ethyl Benzene	52.5		"	50.0	105	81-118					
Hexachlorobutadiene	55.6		"	50.0	111	70-133					
Isopropylbenzene	56.6		"	50.0	113	78-122					
Methyl Methacrylate	56.9		"	50.0	114	73-131					
Methyl tert-butyl ether (MTBE)	46.5		"	50.0	93.0	62-140					
Methylene chloride	48.4		"	50.0	96.8	48-143					
Naphthalene	57.1		"	50.0	114	55-160					
n-Butylbenzene	55.7		"	50.0	111	71-142					
n-Propylbenzene	55.1		"	50.0	110	80-123					
o-Xylene	55.0		"	50.0	110	81-118					
p- & m- Xylenes	108		"	100	108	80-120					
p-Isopropyltoluene	54.4		"	50.0	109	83-126					
sec-Butylbenzene	56.5		"	50.0	113	84-123					
Styrene	54.3		"	50.0	109	85-115					
tert-Butylbenzene	57.8		"	50.0	116	78-122					
Tetrachloroethylene	51.9		"	50.0	104	76-129					
Tetrahydrofuran	55.2		"	50.0	110	67-127					
Toluene	53.0		"	50.0	106	85-116					
trans-1,2-Dichloroethylene	47.1		"	50.0	94.3	66-136					
trans-1,3-Dichloropropylene	59.8		"	50.0	120	71-128					
trans-1,4-dichloro-2-butene	56.8		"	50.0	114	70-130					
Trichloroethylene	52.5		"	50.0	105	83-118					
Trichlorofluoromethane	41.7		"	50.0	83.3	54-141					
Vinyl Chloride	43.3		"	50.0	86.6	38-147					
<i>Surrogate: 1,2-Dichloroethane-d4</i>	48.8		"	50.0	97.7	67-130					
<i>Surrogate: p-Bromofluorobenzene</i>	52.3		"	50.0	105	75-127					
<i>Surrogate: Toluene-d8</i>	53.6		"	50.0	107	90-112					



## Volatile Organic Compounds by GC/MS - Quality Control Data

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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### **Batch BH40925 - EPA 5035A**

LCS Dup (BH40925-BSD1)	Prepared & Analyzed: 08/18/2014									
1,1,1,2-Tetrachloroethane	49.7		ug/L	50.0	99.4	72-126			4.87	30
1,1,1-Trichloroethane	47.6		"	50.0	95.2	74-126			1.58	30
1,1,2,2-Tetrachloroethane	57.1		"	50.0	114	72-133			2.49	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	64.8		"	50.0	130	47-160			6.46	30
1,1,2-Trichloroethane	49.5		"	50.0	99.1	81-124			9.02	30
1,1-Dichloroethane	49.9		"	50.0	99.7	80-125			0.988	30
1,1-Dichloroethylene	45.0		"	50.0	90.0	62-136			1.83	30
1,1-Dichloropropylene	46.3		"	50.0	92.6	81-121			3.14	30
1,2,3-Trichlorobenzene	54.1		"	50.0	108	63-154			2.88	30
1,2,3-Trichloropropane	50.9		"	50.0	102	70-126			5.17	30
1,2,4-Trichlorobenzene	53.8		"	50.0	108	61-158			0.204	30
1,2,4-Trimethylbenzene	55.2		"	50.0	110	83-123			1.74	30
1,2-Dibromo-3-chloropropane	55.3		"	50.0	111	48-152			11.7	30
1,2-Dibromoethane	50.9		"	50.0	102	81-123			6.17	30
1,2-Dichlorobenzene	51.6		"	50.0	103	81-117			1.05	30
1,2-Dichloroethane	48.3		"	50.0	96.6	67-129			0.373	30
1,2-Dichloropropane	52.3		"	50.0	105	74-127			6.37	30
1,3,5-Trimethylbenzene	55.0		"	50.0	110	81-120			1.30	30
1,3-Dichlorobenzene	54.2		"	50.0	108	84-117			2.58	30
1,3-Dichloropropane	52.5		"	50.0	105	77-125			4.85	30
1,4-Dichlorobenzene	51.8		"	50.0	104	85-118			2.78	30
2,2-Dichloropropane	47.8		"	50.0	95.6	69-129			3.66	30
2-Butanone	50.2		"	50.0	100	58-159			12.8	30
2-Chlorotoluene	52.9		"	50.0	106	75-123			5.84	30
2-Hexanone	53.7		"	50.0	107	50-154			19.3	30
4-Chlorotoluene	54.9		"	50.0	110	76-121			1.23	30
4-Methyl-2-pentanone	52.8		"	50.0	106	53-149			12.6	30
Acetone	51.9		"	50.0	104	32-173			15.9	30
Acrylonitrile	47.6		"	50.0	95.2	50-158			3.12	30
Benzene	46.8		"	50.0	93.7	83-126			0.0213	30
Bromobenzene	57.9		"	50.0	116	70-130			0.483	30
Bromochloromethane	48.1		"	50.0	96.2	73-128			3.31	30
Bromodichloromethane	52.9		"	50.0	106	74-126			4.71	30
Bromoform	55.9		"	50.0	112	63-137			2.75	30
Bromomethane	47.0		"	50.0	94.0	24-144			0.0851	30
Carbon disulfide	46.0		"	50.0	91.9	29-64	High Bias		2.47	30
Carbon tetrachloride	47.4		"	50.0	94.8	68-132			1.57	30
Chlorobenzene	49.6		"	50.0	99.2	87-115			2.70	30
Chloroethane	46.4		"	50.0	92.9	39-146			2.60	30
Chloroform	48.2		"	50.0	96.4	84-120			0.517	30
Chloromethane	44.1		"	50.0	88.2	35-153			2.18	30
cis-1,2-Dichloroethylene	46.0		"	50.0	92.0	86-121			1.12	30
cis-1,3-Dichloropropylene	53.9		"	50.0	108	78-122			8.08	30
Dibromochloromethane	51.8		"	50.0	104	41-149			6.59	30
Dibromomethane	49.7		"	50.0	99.4	82-118			7.25	30
Dichlorodifluoromethane	36.0		"	50.0	72.0	52-143			0.949	30
Ethyl Benzene	49.1		"	50.0	98.2	81-118			6.64	30
Hexachlorobutadiene	56.1		"	50.0	112	70-133			0.949	30
Isopropylbenzene	56.6		"	50.0	113	78-122			0.0707	30
Methyl Methacrylate	52.8		"	50.0	106	73-131			7.60	30
Methyl tert-butyl ether (MTBE)	45.6		"	50.0	91.2	62-140			1.95	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH40925 - EPA 5035A</b>											
<b>LCS Dup (BH40925-BSD1)</b>											
Prepared & Analyzed: 08/18/2014											
Methylene chloride	47.5		ug/L	50.0	95.0	48-143			1.90	30	
Naphthalene	55.0		"	50.0	110	55-160			3.66	30	
n-Butylbenzene	55.0		"	50.0	110	71-142			1.10	30	
n-Propylbenzene	54.9		"	50.0	110	80-123			0.327	30	
o-Xylene	52.1		"	50.0	104	81-118			5.51	30	
p- & m- Xylenes	101		"	100	101	80-120			6.04	30	
p-Isopropyltoluene	54.9		"	50.0	110	83-126			1.01	30	
sec-Butylbenzene	56.2		"	50.0	112	84-123			0.426	30	
Styrene	50.4		"	50.0	101	85-115			7.54	30	
tert-Butylbenzene	53.2		"	50.0	106	78-122			8.21	30	
Tetrachloroethylene	48.3		"	50.0	96.7	76-129			7.03	30	
Tetrahydrofuran	52.9		"	50.0	106	67-127			4.20	30	
Toluene	50.5		"	50.0	101	85-116			4.81	30	
trans-1,2-Dichloroethylene	46.3		"	50.0	92.7	66-136			1.71	30	
trans-1,3-Dichloropropylene	54.4		"	50.0	109	71-128			9.60	30	
trans-1,4-dichloro-2-butene	55.4		"	50.0	111	70-130			2.48	30	
Trichloroethylene	52.9		"	50.0	106	83-118			0.626	30	
Trichlorofluoromethane	41.5		"	50.0	82.9	54-141			0.481	30	
Vinyl Chloride	42.5		"	50.0	85.0	38-147			1.79	30	
Surrogate: 1,2-Dichloroethane-d4	50.0		"	50.0	100	67-130					
Surrogate: p-Bromofluorobenzene	51.5		"	50.0	103	75-127					
Surrogate: Toluene-d8	51.0		"	50.0	102	90-112					



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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### Batch BH40720 - EPA 3545A

#### Blank (BH40720-BLK1)

Prepared: 08/13/2014 Analyzed: 08/14/2014

Acenaphthene	ND	250	ug/kg wet								
Acenaphthylene	ND	250	"								
Aniline	ND	250	"								
Anthracene	ND	250	"								
Benzo(a)anthracene	ND	250	"								
Benzo(a)pyrene	ND	250	"								
Benzo(b)fluoranthene	ND	250	"								
Benzo(g,h,i)perylene	ND	250	"								
Benzo(k)fluoranthene	ND	250	"								
Benzyl butyl phthalate	ND	250	"								
4-Bromophenyl phenyl ether	ND	250	"								
4-Chloro-3-methylphenol	ND	250	"								
4-Chloroaniline	ND	250	"								
Bis(2-chloroethoxy)methane	ND	250	"								
Bis(2-chloroethyl)ether	ND	250	"								
Bis(2-chloroisopropyl)ether	ND	250	"								
2-Chloronaphthalene	ND	250	"								
2-Chlorophenol	ND	250	"								
4-Chlorophenyl phenyl ether	ND	250	"								
Chrysene	ND	250	"								
Dibenzo(a,h)anthracene	ND	250	"								
Dibenzofuran	ND	250	"								
Di-n-butyl phthalate	ND	250	"								
3,3'-Dichlorobenzidine	ND	250	"								
2,4-Dichlorophenol	ND	250	"								
Carbazole	ND	250	"								
Diethyl phthalate	ND	250	"								
2,4-Dimethylphenol	ND	250	"								
Dimethyl phthalate	ND	250	"								
4,6-Dinitro-2-methylphenol	ND	500	"								
2,4-Dinitrophenol	ND	500	"								
2,6-Dinitrotoluene	ND	250	"								
2,4-Dinitrotoluene	ND	250	"								
Di-n-octyl phthalate	ND	250	"								
Bis(2-ethylhexyl)phthalate	ND	250	"								
Fluoranthene	ND	250	"								
Fluorene	ND	250	"								
Hexachlorobenzene	ND	250	"								
Hexachlorobutadiene	ND	250	"								
Hexachlorocyclopentadiene	ND	250	"								
Hexachloroethane	ND	250	"								
Indeno(1,2,3-cd)pyrene	ND	250	"								
Isophorone	ND	250	"								
1-Methylnaphthalene	ND	250	"								
2-Methylnaphthalene	ND	250	"								
2-Methylphenol	ND	250	"								
3- & 4-Methylphenols	ND	250	"								
Naphthalene	ND	250	"								
3-Nitroaniline	ND	250	"								
4-Nitroaniline	ND	250	"								
2-Nitroaniline	ND	250	"								



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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### **Batch BH40720 - EPA 3545A**

#### **Blank (BH40720-BLK1)**

Nitrobenzene	ND	250	ug/kg wet								
2-Nitrophenol	ND	250	"								
4-Nitrophenol	ND	250	"								
N-nitroso-di-n-propylamine	ND	250	"								
N-Nitrosodiphenylamine	ND	250	"								
Pentachloronitrobenzene	ND	250	"								
Pentachlorophenol	ND	250	"								
Phenanthrene	ND	250	"								
Phenol	ND	250	"								
Pyrene	ND	250	"								
Pyridine	ND	250	"								
1,2,4,5-Tetrachlorobenzene	ND	250	"								
1,2,4-Trichlorobenzene	ND	250	"								
2,4,6-Trichlorophenol	ND	250	"								
2,4,5-Trichlorophenol	ND	250	"								
<i>Surrogate: 2-Fluorophenol</i>	2600		"	3760		69.0		10-105			
<i>Surrogate: Phenol-d5</i>	1940		"	3750		51.7		10-118			
<i>Surrogate: Nitrobenzene-d5</i>	1680		"	2510		66.8		10-140			
<i>Surrogate: 2-Fluorobiphenyl</i>	1790		"	2500		71.6		10-126			
<i>Surrogate: 2,4,6-Tribromophenol</i>	2470		"	3750		65.8		10-150			
<i>Surrogate: Terphenyl-d14</i>	2660		"	2500		106		10-137			

#### **LCS (BH40720-BS1)**

Acenaphthene	2340	250	ug/kg wet	2500		93.8		17-124			
Acenaphthylene	2090	250	"	2500		83.5		16-124			
Aniline	1250	250	"	2500		50.1		10-111			
Anthracene	2440	250	"	2500		97.4		24-124			
Benzo(a)anthracene	2260	250	"	2500		90.3		25-134			
Benzo(a)pyrene	2820	250	"	2500		113		29-144			
Benzo(b)fluoranthene	2990	250	"	2500		120		20-151			
Benzo(g,h,i)perylene	1970	250	"	2500		78.7		10-153			
Benzo(k)fluoranthene	2340	250	"	2500		93.5		10-148			
Benzyl butyl phthalate	2680	250	"	2500		107		10-132			
4-Bromophenyl phenyl ether	2360	250	"	2500		94.5		30-138			
4-Chloro-3-methylphenol	2210	250	"	2500		88.4		16-138			
4-Chloroaniline	2000	250	"	2500		79.8		10-117			
Bis(2-chloroethoxy)methane	1570	250	"	2500		62.6		10-129			
Bis(2-chloroethyl)ether	1290	250	"	2500		51.5		14-125			
Bis(2-chloroisopropyl)ether	778	250	"	2500		31.1		14-122			
2-Chloronaphthalene	2060	250	"	2500		82.6		22-115			
2-Chlorophenol	1580	250	"	2500		63.0		25-121			
4-Chlorophenyl phenyl ether	2120	250	"	2500		84.8		18-132			
Chrysene	2730	250	"	2500		109		24-116			
Dibenzo(a,h)anthracene	1940	250	"	2500		77.7		17-147			
Dibenzofuran	2140	250	"	2500		85.7		23-123			
Di-n-butyl phthalate	2340	250	"	2500		93.4		19-123			
3,3'-Dichlorobenzidine	2610	250	"	2500		104		10-147			
2,4-Dichlorophenol	1920	250	"	2500		76.8		23-133			
Carbazole	2630	250	"	2500		105		31-120			
Diethyl phthalate	2460	250	"	2500		98.6		23-122			
2,4-Dimethylphenol	1800	250	"	2500		72.1		15-131			



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH40720 - EPA 3545A</b>											
<b>LCS (BH40720-BS1)</b>											
Dimethyl phthalate	2390	250	ug/kg wet	2500	95.8	28-127					
4,6-Dinitro-2-methylphenol	1300	500	"	2500	52.1	10-149					
2,4-Dinitrophenol	1800	500	"	2500	72.1	10-149					
2,6-Dinitrotoluene	2280	250	"	2500	91.1	30-125					
2,4-Dinitrotoluene	2770	250	"	2500	111	30-123					
Di-n-octyl phthalate	2740	250	"	2500	110	10-132					
Bis(2-ethylhexyl)phthalate	2150	250	"	2500	86.1	10-141					
Fluoranthene	2500	250	"	2500	99.9	36-125					
Fluorene	2210	250	"	2500	88.5	16-130					
Hexachlorobenzene	2500	250	"	2500	100	10-129					
Hexachlorobutadiene	2080	250	"	2500	83.3	22-153					
Hexachlorocyclopentadiene	704	250	"	2500	28.2	10-134					
Hexachloroethane	1600	250	"	2500	63.8	20-112					
Indeno(1,2,3-cd)pyrene	1900	250	"	2500	76.2	10-155					
Isophorone	1700	250	"	2500	67.8	14-131					
1-Methylnaphthalene	2000	250	"	2500	79.9	40-140					
2-Methylnaphthalene	2050	250	"	2500	81.9	16-127					
2-Methylphenol	2440	250	"	2500	97.5	10-146					
3- & 4-Methylphenols	1300	250	"	2500	52.0	20-109					
Naphthalene	1930	250	"	2500	77.1	20-121					
3-Nitroaniline	2040	250	"	2500	81.6	23-123					
4-Nitroaniline	2740	250	"	2500	110	14-125					
2-Nitroaniline	2360	250	"	2500	94.4	24-126					
Nitrobenzene	1580	250	"	2500	63.0	20-121					
2-Nitrophenol	1980	250	"	2500	79.3	17-129					
4-Nitrophenol	2100	250	"	2500	84.1	10-136					
N-nitroso-di-n-propylamine	1350	250	"	2500	53.9	21-119					
N-Nitrosodiphenylamine	2610	250	"	2500	105	10-163					
Pentachloronitrobenzene	3090	250	"	2500	124	40-140					
Pentachlorophenol	1680	250	"	2500	67.3	10-143					
Phenanthrene	2460	250	"	2500	98.2	24-123					
Phenol	1260	250	"	2500	50.2	15-123					
Pyrene	2800	250	"	2500	112	24-132					
Pyridine	897	250	"	2500	35.9	10-92					
1,2,4,5-Tetrachlorobenzene	2010	250	"	2500	80.6	10-144					
1,2,4-Trichlorobenzene	1920	250	"	2500	77.0	23-130					
2,4,6-Trichlorophenol	1880	250	"	2500	75.2	27-122					
2,4,5-Trichlorophenol	2010	250	"	2500	80.6	14-138					
Surrogate: 2-Fluorophenol	2460	"		3760	65.3	10-105					
Surrogate: Phenol-d5	1940	"		3750	51.6	10-118					
Surrogate: Nitrobenzene-d5	1660	"		2510	66.0	10-140					
Surrogate: 2-Fluorobiphenyl	1860	"		2500	74.3	10-126					
Surrogate: 2,4,6-Tribromophenol	3050	"		3750	81.4	30-130					
Surrogate: Terphenyl-d14	2700	"		2500	108	10-137					



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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### **Batch BH40720 - EPA 3545A**

LCS Dup (BH40720-BSD1)										Prepared: 08/13/2014 Analyzed: 08/14/2014	
Acenaphthene	2310	250	ug/kg wet	2500	92.6	17-124			1.27	30	
Acenaphthylene	2090	250	"	2500	83.5	16-124			0.0958	30	
Aniline	1230	250	"	2500	49.3	10-111			1.57	30	
Anthracene	2380	250	"	2500	95.3	24-124			2.20	30	
Benzo(a)anthracene	2300	250	"	2500	92.1	25-134			1.89	30	
Benzo(a)pyrene	2890	250	"	2500	116	29-144			2.41	30	
Benzo(b)fluoranthene	2780	250	"	2500	111	20-151			7.12	30	
Benzo(g,h,i)perylene	2250	250	"	2500	89.9	10-153			13.2	30	
Benzo(k)fluoranthene	2900	250	"	2500	116	10-148			21.6	30	
Benzyl butyl phthalate	2760	250	"	2500	110	10-132			2.70	30	
4-Bromophenyl phenyl ether	2290	250	"	2500	91.6	30-138			3.14	30	
4-Chloro-3-methylphenol	2100	250	"	2500	84.2	16-138			4.84	30	
4-Chloroaniline	2110	250	"	2500	84.4	10-117			5.55	30	
Bis(2-chloroethoxy)methane	1550	250	"	2500	62.1	10-129			0.930	30	
Bis(2-chloroethyl)ether	1360	250	"	2500	54.4	14-125			5.44	30	
Bis(2-chloroisopropyl)ether	826	250	"	2500	33.0	14-122			5.92	30	
2-Chloronaphthalene	2000	250	"	2500	80.1	22-115			3.10	30	
2-Chlorophenol	1630	250	"	2500	65.1	25-121			3.25	30	
4-Chlorophenyl phenyl ether	2060	250	"	2500	82.5	18-132			2.70	30	
Chrysene	2750	250	"	2500	110	24-116			0.656	30	
Dibenzo(a,h)anthracene	2210	250	"	2500	88.5	17-147			13.0	30	
Dibenzofuran	2110	250	"	2500	84.4	23-123			1.58	30	
Di-n-butyl phthalate	2360	250	"	2500	94.5	19-123			1.17	30	
3,3'-Dichlorobenzidine	2750	250	"	2500	110	10-147			5.26	30	
2,4-Dichlorophenol	1890	250	"	2500	75.4	23-133			1.84	30	
Carbazole	2630	250	"	2500	105	31-120			0.171	30	
Diethyl phthalate	2460	250	"	2500	98.5	23-122			0.0609	30	
2,4-Dimethylphenol	1780	250	"	2500	71.2	15-131			1.17	30	
Dimethyl phthalate	2390	250	"	2500	95.5	28-127			0.251	30	
4,6-Dinitro-2-methylphenol	1500	500	"	2500	60.0	10-149			14.2	30	
2,4-Dinitrophenol	1860	500	"	2500	74.5	10-149			3.25	30	
2,6-Dinitrotoluene	2260	250	"	2500	90.3	30-125			0.882	30	
2,4-Dinitrotoluene	2750	250	"	2500	110	30-123			0.887	30	
Di-n-octyl phthalate	2800	250	"	2500	112	10-132			2.36	30	
Bis(2-ethylhexyl)phthalate	2220	250	"	2500	88.7	10-141			3.00	30	
Fluoranthene	2440	250	"	2500	97.5	36-125			2.43	30	
Fluorene	2210	250	"	2500	88.4	16-130			0.0678	30	
Hexachlorobenzene	2410	250	"	2500	96.5	10-129			3.70	30	
Hexachlorobutadiene	2090	250	"	2500	83.7	22-153			0.527	30	
Hexachlorocyclopentadiene	680	250	"	2500	27.2	10-134			3.47	30	
Hexachloroethane	1610	250	"	2500	64.3	20-112			0.750	30	
Indeno(1,2,3-cd)pyrene	2280	250	"	2500	91.1	10-155			17.9	30	
Isophorone	1690	250	"	2500	67.7	14-131			0.207	30	
1-Methylnaphthalene	2030	250	"	2500	81.2	40-140			1.66	30	
2-Methylnaphthalene	2050	250	"	2500	82.0	16-127			0.195	30	
2-Methylphenol	2510	250	"	2500	100	10-146			2.89	30	
3- & 4-Methylphenols	1280	250	"	2500	51.2	20-109			1.55	30	
Naphthalene	1950	250	"	2500	77.9	20-121			1.06	30	
3-Nitroaniline	2010	250	"	2500	80.5	23-123			1.41	30	
4-Nitroaniline	2620	250	"	2500	105	14-125			4.45	30	
2-Nitroaniline	2390	250	"	2500	95.5	24-126			1.16	30	



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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### **Batch BH40720 - EPA 3545A**

LCS Dup (BH40720-BSD1)								Prepared: 08/13/2014 Analyzed: 08/14/2014			
Nitrobenzene	1640	250	ug/kg wet	2500	65.5	20-121			3.83	30	
2-Nitrophenol	1930	250	"	2500	77.3	17-129			2.63	30	
4-Nitrophenol	2080	250	"	2500	83.4	10-136			0.836	30	
N-nitroso-di-n-propylamine	1350	250	"	2500	54.0	21-119			0.148	30	
N-Nitrosodiphenylamine	2600	250	"	2500	104	10-163			0.729	30	
Pentachloronitrobenzene	3030	250	"	2500	121	40-140			1.91	30	
Pentachlorophenol	1660	250	"	2500	66.2	10-143			1.68	30	
Phanthrene	2450	250	"	2500	98.0	24-123			0.265	30	
Phenol	1210	250	"	2500	48.2	15-123			4.10	30	
Pyrene	2870	250	"	2500	115	24-132			2.66	30	
Pyridine	900	250	"	2500	36.0	10-92			0.389	30	
1,2,4,5-Tetrachlorobenzene	1990	250	"	2500	79.5	10-144			1.35	30	
1,2,4-Trichlorobenzene	1940	250	"	2500	77.4	23-130			0.596	30	
2,4,6-Trichlorophenol	1880	250	"	2500	75.4	27-122			0.212	30	
2,4,5-Trichlorophenol	2030	250	"	2500	81.3	14-138			0.890	30	
<i>Surrogate: 2-Fluorophenol</i>	2430		"	3760	64.7	10-105					
<i>Surrogate: Phenol-d5</i>	2000		"	3750	53.5	10-118					
<i>Surrogate: Nitrobenzene-d5</i>	1660		"	2510	66.1	10-140					
<i>Surrogate: 2-Fluorobiphenyl</i>	1850		"	2500	73.9	10-126					
<i>Surrogate: 2,4,6-Tribromophenol</i>	2960		"	3750	78.8	30-130					
<i>Surrogate: Terphenyl-d14</i>	2690		"	2500	108	10-137					

Matrix Spike (BH40720-MS1)	*Source sample: 14H0523-01 (SB-1 4-5')							Prepared: 08/13/2014 Analyzed: 08/14/2014			
Acenaphthene	2650	296	ug/kg dry	2960	ND	89.7	13-133				
Acenaphthylene	2380	296	"	2960	ND	80.4	25-125				
Aniline	1530	296	"	2960	ND	51.8	10-112				
Anthracene	2630	296	"	2960	ND	88.9	27-128				
Benzo(a)anthracene	2540	296	"	2960	ND	86.1	20-147				
Benzo(a)pyrene	3100	296	"	2960	ND	105	18-153				
Benzo(b)fluoranthene	3280	296	"	2960	ND	111	10-163				
Benzo(g,h,i)perylene	2420	296	"	2960	ND	81.9	10-157				
Benzo(k)fluoranthene	2830	296	"	2960	ND	95.7	10-157				
Benzyl butyl phthalate	2990	296	"	2960	ND	101	10-129				
4-Bromophenyl phenyl ether	2510	296	"	2960	ND	85.0	32-148				
4-Chloro-3-methylphenol	2460	296	"	2960	ND	83.2	14-138				
4-Chloroaniline	2310	296	"	2960	ND	78.0	10-124				
Bis(2-chloroethoxy)methane	1820	296	"	2960	ND	61.5	12-128				
Bis(2-chloroethyl)ether	1590	296	"	2960	ND	53.9	18-113				
Bis(2-chloroisopropyl)ether	982	296	"	2960	ND	33.2	10-130				
2-Chloronaphthalene	2340	296	"	2960	ND	79.2	31-116				
2-Chlorophenol	1970	296	"	2960	ND	66.7	28-114				
4-Chlorophenyl phenyl ether	2350	296	"	2960	ND	79.5	10-153				
Chrysene	2980	296	"	2960	ND	101	18-133				
Dibenzo(a,h)anthracene	2350	296	"	2960	ND	79.4	10-146				
Dibenzofuran	2470	296	"	2960	ND	83.6	26-134				
Di-n-butyl phthalate	2540	296	"	2960	ND	85.8	20-128				
3,3'-Dichlorobenzidine	2960	296	"	2960	ND	100	10-134				
2,4-Dichlorophenol	2160	296	"	2960	ND	73.0	16-144				
Carbazole	2850	296	"	2960	ND	96.5	24-139				
Diethyl phthalate	2750	296	"	2960	ND	93.2	30-119				
2,4-Dimethylphenol	2170	296	"	2960	ND	73.4	11-133				



## Semivolatile Organic Compounds by GC/MS - Quality Control Data

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH40720 - EPA 3545A</b>											
<b>Matrix Spike (BH40720-MS1)</b>	*Source sample: 14H0523-01 (SB-1 4-5')										Prepared: 08/13/2014 Analyzed: 08/14/2014
Dimethyl phthalate	2700	296	ug/kg dry	2960	ND	91.4	34-120				
4,6-Dinitro-2-methylphenol	1920	591	"	2960	ND	65.0	10-149				
2,4-Dinitrophenol	2240	591	"	2960	ND	75.9	10-132				
2,6-Dinitrotoluene	2650	296	"	2960	ND	89.7	36-124				
2,4-Dinitrotoluene	3120	296	"	2960	ND	106	42-113				
Di-n-octyl phthalate	3010	296	"	2960	ND	102	10-133				
Bis(2-ethylhexyl)phthalate	2390	296	"	2960	ND	81.0	10-138				
Fluoranthene	2650	296	"	2960	ND	89.7	10-155				
Fluorene	2480	296	"	2960	ND	83.9	12-150				
Hexachlorobenzene	2620	296	"	2960	ND	88.6	16-142				
Hexachlorobutadiene	2510	296	"	2960	ND	84.9	11-150				
Hexachlorocyclopentadiene	941	296	"	2960	ND	31.9	10-115				
Hexachloroethane	1950	296	"	2960	ND	65.8	14-106				
Indeno(1,2,3-cd)pyrene	2430	296	"	2960	ND	82.3	10-155				
Isophorone	1900	296	"	2960	ND	64.2	14-127				
1-Methylnaphthalene	2260	296	"	2960	ND	76.5	40-140				
2-Methylnaphthalene	2340	296	"	2960	ND	79.1	10-143				
2-Methylphenol	3070	296	"	2960	ND	104	10-160				
3- & 4-Methylphenols	1560	296	"	2960	ND	52.7	16-115				
Naphthalene	2270	296	"	2960	ND	76.8	15-132				
3-Nitroaniline	2290	296	"	2960	ND	77.5	24-128				
4-Nitroaniline	3170	296	"	2960	ND	107	10-151				
2-Nitroaniline	2730	296	"	2960	ND	92.5	33-122				
Nitrobenzene	1890	296	"	2960	ND	64.0	18-125				
2-Nitrophenol	2270	296	"	2960	ND	76.9	12-127				
4-Nitrophenol	2570	296	"	2960	ND	86.8	10-141				
N-nitroso-di-n-propylamine	1510	296	"	2960	ND	51.1	23-115				
N-Nitrosodiphenylamine	2850	296	"	2960	ND	96.4	16-166				
Pentachloronitrobenzene	3250	296	"	2960	ND	110	40-140				
Pentachlorophenol	2010	296	"	2960	ND	68.0	10-160				
Phenanthrene	2710	296	"	2960	ND	91.8	10-151				
Phenol	1490	296	"	2960	ND	50.3	11-124				
Pyrene	3140	296	"	2960	ND	106	13-148				
Pyridine	1100	296	"	2960	ND	37.3	10-125				
1,2,4,5-Tetrachlorobenzene	2340	296	"	2960	ND	79.3	18-152				
1,2,4-Trichlorobenzene	2350	296	"	2960	ND	79.6	15-139				
2,4,6-Trichlorophenol	2190	296	"	2960	ND	74.2	12-138				
2,4,5-Trichlorophenol	2310	296	"	2960	ND	78.0	10-148				
Surrogate: 2-Fluorophenol	3010	"		4440		67.8	10-105				
Surrogate: Phenol-d5	2300	"		4430		51.9	10-118				
Surrogate: Nitrobenzene-d5	1800	"		2970		60.7	10-140				
Surrogate: 2-Fluorobiphenyl	1920	"		2960		64.8	10-126				
Surrogate: 2,4,6-Tribromophenol	2930	"		4430		66.0	30-130				
Surrogate: Terphenyl-d14	2670	"		2960		90.5	10-137				



## Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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### Batch BH40723 - EPA 3545 A

#### Blank (BH40723-BLK1)

4,4'-DDD	ND	0.330	ug/kg wet								
4,4'-DDE	ND	0.330	"								
4,4'-DDT	ND	0.330	"								
Alachlor	ND	0.330	"								
Aldrin	ND	0.330	"								
alpha-BHC	ND	0.330	"								
beta-BHC	ND	0.330	"								
Chlordane, total	ND	1.32	"								
delta-BHC	ND	0.330	"								
Dieldrin	ND	0.330	"								
Endosulfan I	ND	0.330	"								
Endosulfan II	ND	0.330	"								
Endosulfan sulfate	ND	0.330	"								
Endrin	ND	0.330	"								
Endrin aldehyde	ND	0.330	"								
Endrin ketone	ND	0.330	"								
gamma-BHC (Lindane)	ND	0.330	"								
Heptachlor	ND	0.330	"								
Heptachlor epoxide	ND	0.330	"								
Methoxychlor	ND	1.65	"								
Toxaphene	ND	16.7	"								
Surrogate: Decachlorobiphenyl	82.2		"	100		82.2	30-140				
Surrogate: Tetrachloro-m-xylene	79.2		"	100		79.2	30-140				

#### LCS (BH40723-BS1)

4,4'-DDD	46.4	0.330	ug/kg wet	50.0		92.8	40-140				
4,4'-DDE	48.5	0.330	"	50.0		97.0	40-140				
4,4'-DDT	50.5	0.330	"	50.0		101	40-140				
Alachlor	42.6	0.330	"	50.0		85.1	40-140				
Aldrin	40.5	0.330	"	50.0		80.9	40-140				
alpha-BHC	46.7	0.330	"	50.0		93.3	40-140				
beta-BHC	45.7	0.330	"	50.0		91.5	40-140				
delta-BHC	50.1	0.330	"	50.0		100	40-140				
Dieldrin	46.0	0.330	"	50.0		92.1	40-140				
Endosulfan I	45.4	0.330	"	50.0		90.7	40-140				
Endosulfan II	43.2	0.330	"	50.0		86.4	40-140				
Endosulfan sulfate	49.1	0.330	"	50.0		98.2	40-140				
Endrin	44.6	0.330	"	50.0		89.3	40-140				
Endrin aldehyde	40.2	0.330	"	50.0		80.4	40-140				
Endrin ketone	45.1	0.330	"	50.0		90.2	40-140				
gamma-BHC (Lindane)	45.6	0.330	"	50.0		91.3	40-140				
Heptachlor	41.7	0.330	"	50.0		83.5	40-140				
Heptachlor epoxide	43.2	0.330	"	50.0		86.4	40-140				
Methoxychlor	43.1	1.65	"	50.0		86.2	40-140				
Surrogate: Decachlorobiphenyl	112		"	100		112	30-140				
Surrogate: Tetrachloro-m-xylene	112		"	100		112	30-140				



## Organochlorine Pesticides by GC/ECD - Quality Control Data

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	Limit	Flag
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### **Batch BH40723 - EPA 3545 A**

LCS Dup (BH40723-BSD1)	Prepared: 08/13/2014 Analyzed: 08/14/2014							
4,4'-DDD	48.2	0.330	ug/kg wet	50.0	96.4	40-140	3.78	30
4,4'-DDE	50.6	0.330	"	50.0	101	40-140	4.16	30
4,4'-DDT	52.6	0.330	"	50.0	105	40-140	3.95	30
Alachlor	43.9	0.330	"	50.0	87.8	40-140	3.14	30
Aldrin	41.9	0.330	"	50.0	83.9	40-140	3.53	30
alpha-BHC	48.2	0.330	"	50.0	96.5	40-140	3.32	30
beta-BHC	47.0	0.330	"	50.0	94.1	40-140	2.78	30
delta-BHC	51.6	0.330	"	50.0	103	40-140	2.79	30
Dieldrin	47.7	0.330	"	50.0	95.4	40-140	3.57	30
Endosulfan I	47.3	0.330	"	50.0	94.6	40-140	4.18	30
Endosulfan II	44.9	0.330	"	50.0	89.8	40-140	3.86	30
Endosulfan sulfate	50.4	0.330	"	50.0	101	40-140	2.65	30
Endrin	46.2	0.330	"	50.0	92.4	40-140	3.45	30
Endrin aldehyde	41.3	0.330	"	50.0	82.6	40-140	2.73	30
Endrin ketone	46.8	0.330	"	50.0	93.6	40-140	3.65	30
gamma-BHC (Lindane)	47.0	0.330	"	50.0	94.1	40-140	3.03	30
Heptachlor	43.1	0.330	"	50.0	86.3	40-140	3.28	30
Heptachlor epoxide	44.7	0.330	"	50.0	89.3	40-140	3.36	30
Methoxychlor	44.8	1.65	"	50.0	89.6	40-140	3.79	30
<i>Surrogate: Decachlorobiphenyl</i>	117		"	100	117	30-140		
<i>Surrogate: Tetrachloro-m-xylene</i>	114		"	100	114	30-140		

Matrix Spike (BH40723-MS1)	*Source sample: 14H0523-01 (SB-1 4-5')							
4,4'-DDD	46.0	1.95	ug/kg dry	59.1	ND	77.8	30-150	
4,4'-DDE	44.1	1.95	"	59.1	ND	74.6	30-150	
4,4'-DDT	47.0	1.95	"	59.1	ND	79.5	30-150	
Alachlor	55.9	1.95	"	59.1	ND	94.7	30-150	
Aldrin	41.6	1.95	"	59.1	ND	70.4	30-150	
alpha-BHC	49.6	1.95	"	59.1	ND	84.0	30-150	
beta-BHC	53.2	1.95	"	59.1	ND	90.1	30-150	
delta-BHC	50.9	1.95	"	59.1	ND	86.2	30-150	
Dieldrin	48.8	1.95	"	59.1	ND	82.5	30-150	
Endosulfan I	48.6	1.95	"	59.1	ND	82.3	30-150	
Endosulfan II	47.3	1.95	"	59.1	ND	80.0	30-150	
Endosulfan sulfate	55.4	1.95	"	59.1	ND	93.7	30-150	
Endrin	48.4	1.95	"	59.1	ND	81.8	30-150	
Endrin aldehyde	47.6	1.95	"	59.1	ND	80.5	30-150	
Endrin ketone	53.6	1.95	"	59.1	ND	90.6	30-150	
gamma-BHC (Lindane)	50.1	1.95	"	59.1	ND	84.8	30-150	
Heptachlor	44.0	1.95	"	59.1	ND	74.5	30-150	
Heptachlor epoxide	48.1	1.95	"	59.1	ND	81.4	30-150	
Methoxychlor	46.7	9.75	"	59.1	ND	79.0	30-150	
<i>Surrogate: Decachlorobiphenyl</i>	111		"	118		93.5	30-140	
<i>Surrogate: Tetrachloro-m-xylene</i>	113		"	118		95.7	30-140	



**Polychlorinated Biphenyls by GC/ECD - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	RPD Flag
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**Batch BH40723 - EPA 3545 A**

**Blank (BH40723-BLK1)**

Prepared: 08/13/2014 Analyzed: 08/14/2014

Aroclor 1016	ND	0.0250	mg/kg wet								
Aroclor 1221	ND	0.0250	"								
Aroclor 1232	ND	0.0250	"								
Aroclor 1242	ND	0.0250	"								
Aroclor 1248	ND	0.0250	"								
Aroclor 1254	ND	0.0250	"								
Aroclor 1260	ND	0.0250	"								
Aroclor 1262	ND	0.0250	"								
Aroclor 1268	ND	0.0250	"								
Total PCBs	ND	0.0250	"								

Surrogate: Tetrachloro-m-xylene	0.0870	"	0.100	87.0	30-140
Surrogate: Decachlorobiphenyl	0.0605	"	0.100	60.5	30-140

**LCS (BH40723-BS2)**

Prepared: 08/13/2014 Analyzed: 08/14/2014

Aroclor 1016	0.489	0.0250	mg/kg wet	0.500	97.9	40-130
Aroclor 1260	0.417	0.0250	"	0.500	83.3	40-130
Surrogate: Tetrachloro-m-xylene	0.0850	"	0.100	85.0	30-140	
Surrogate: Decachlorobiphenyl	0.0540	"	0.100	54.0	30-140	



### Chlorinated Herbicides by GC/ECD - Quality Control Data

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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#### **Batch BH40763 - EPA 3550B/8151A**

##### **Blank (BH40763-BLK1)**

Dicamba	ND	20.0	ug/kg wet								
2,4-D	ND	20.0	"								
2,4,5-TP (Silvex)	ND	20.0	"								
2,4,5-T	ND	20.0	"								
Dalapon	ND	20.0	"								
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	425		"	500		85.0	30-150				

Prepared: 08/13/2014 Analyzed: 08/14/2014

##### **LCS (BH40763-BS1)**

Dicamba	75.0	20.0	ug/kg wet	160	46.9	40-140					
2,4-D	79.0	20.0	"	160	49.4	40-140					
2,4,5-TP (Silvex)	73.0	20.0	"	160	45.6	40-140					
2,4,5-T	71.0	20.0	"	160	44.4	40-140					
Dalapon	25.0	20.0	"	160	15.6	40-140	Low Bias				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	306		"	500	61.2	30-150					

Prepared: 08/13/2014 Analyzed: 08/14/2014

##### **LCS Dup (BH40763-BSD1)**

Dicamba	78.0	20.0	ug/kg wet	160	48.8	40-140					
2,4-D	85.0	20.0	"	160	53.1	40-140					
2,4,5-TP (Silvex)	83.0	20.0	"	160	51.9	40-140					
2,4,5-T	80.0	20.0	"	160	50.0	40-140					
Dalapon	29.0	20.0	"	160	18.1	40-140	Low Bias				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	273		"	500	54.6	30-150					

Prepared: 08/13/2014 Analyzed: 08/14/2014

##### **Matrix Spike (BH40763-MS1)**

	<i>*Source sample: 14H0523-01 (SB-1 4-5')</i>					Prepared: 08/13/2014 Analyzed: 08/14/2014					
Dicamba	104	23.6	ug/kg dry	189	ND	55.0	30-150				
2,4-D	105	23.6	"	189	ND	55.6	30-150				
2,4,5-TP (Silvex)	81.6	23.6	"	189	ND	43.1	30-150				
2,4,5-T	85.1	23.6	"	189	ND	45.0	30-150				
Dalapon	26.0	23.6	"	189	ND	13.8	30-150	Low Bias			
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	409		"	591		69.2	30-150				

Prepared: 08/13/2014 Analyzed: 08/14/2014



### Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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#### Batch BH40898 - EPA 3550B/8151A

##### Blank (BH40898-BLK1)

Dicamba	ND	20.0	ug/kg wet								
2,4-D	ND	20.0	"								
2,4,5-TP (Silvex)	ND	20.0	"								
2,4,5-T	ND	20.0	"								
Dalapon	ND	20.0	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	592		"	500		118	30-150				

Prepared & Analyzed: 08/18/2014

##### LCS (BH40898-BS1)

Dicamba	140	20.0	ug/kg wet	160	87.5	40-140					
2,4-D	143	20.0	"	160	89.4	40-140					
2,4,5-TP (Silvex)	143	20.0	"	160	89.4	40-140					
2,4,5-T	138	20.0	"	160	86.2	40-140					
Dalapon	35.0	20.0	"	160	21.9	40-140	Low Bias				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	468		"	500	93.6	30-150					

Prepared & Analyzed: 08/18/2014

##### LCS Dup (BH40898-BSD1)

Dicamba	145	20.0	ug/kg wet	160	90.6	40-140			3.51	30	
2,4-D	146	20.0	"	160	91.2	40-140			2.08	30	
2,4,5-TP (Silvex)	147	20.0	"	160	91.9	40-140			2.76	30	
2,4,5-T	139	20.0	"	160	86.9	40-140			0.722	30	
Dalapon	37.0	20.0	"	160	23.1	40-140	Low Bias		5.56	30	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	483		"	500	96.6	30-150					

Prepared & Analyzed: 08/18/2014



## Gas Chromatography/Flame Ionization Detector - Quality Control Data

### York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD RPD	RPD Limit	RPD Flag
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#### Batch BH40817 - EPA 3545A

##### Blank (BH40817-BLK1)

Prepared: 08/14/2014 Analyzed: 08/15/2014

ETPH (Extractable Total Petroleum Hydrocarbons)	ND	10.0	mg/kg wet								
Surrogate: 1-Chlorooctadecane	7.66	"		10.0		76.6	50-150				

##### LCS (BH40817-BS1)

Prepared: 08/14/2014 Analyzed: 08/15/2014

ETPH (Extractable Total Petroleum Hydrocarbons)	55.2	10.0	mg/kg wet	75.0		73.6	60-120				
Surrogate: 1-Chlorooctadecane	8.34	"		10.0		83.4	50-150				

##### LCS Dup (BH40817-BSD1)

Prepared: 08/14/2014 Analyzed: 08/15/2014

ETPH (Extractable Total Petroleum Hydrocarbons)	64.6	10.0	mg/kg wet	75.0		86.1	60-120		15.7	30	
Surrogate: 1-Chlorooctadecane	8.80	"		10.0		88.0	50-150				

##### Matrix Spike (BH40817-MS1)

\*Source sample: 14H0523-01 (SB-1 4-5')

Prepared: 08/14/2014 Analyzed: 08/15/2014

ETPH (Extractable Total Petroleum Hydrocarbons)	73.9	11.8	mg/kg dry	88.7	12.0	69.8	50-150				
Surrogate: 1-Chlorooctadecane	9.63	"		11.8		81.5	50-150				

#### Batch BH40908 - EPA 3545A

##### Blank (BH40908-BLK1)

Prepared: 08/18/2014 Analyzed: 08/19/2014

ETPH (Extractable Total Petroleum Hydrocarbons)	ND	10.0	mg/kg wet								
Surrogate: 1-Chlorooctadecane	7.79	"		10.0		77.9	50-150				

##### LCS (BH40908-BS1)

Prepared: 08/18/2014 Analyzed: 08/19/2014

ETPH (Extractable Total Petroleum Hydrocarbons)	60.9	10.0	mg/kg wet	75.0		81.2	60-120				
Surrogate: 1-Chlorooctadecane	8.66	"		10.0		86.6	50-150				

##### LCS Dup (BH40908-BSD1)

Prepared: 08/18/2014 Analyzed: 08/19/2014

ETPH (Extractable Total Petroleum Hydrocarbons)	60.8	10.0	mg/kg wet	75.0		81.1	60-120		0.164	30	
Surrogate: 1-Chlorooctadecane	8.09	"		10.0		80.9	50-150				

**Metals by ICP - Quality Control Data****York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	RPD Flag
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**Batch BH40842 - EPA 3050B****Blank (BH40842-BLK1)**

Prepared &amp; Analyzed: 08/15/2014

Antimony	ND	0.500	mg/kg wet								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Chromium	ND	0.500	"								
Copper	ND	0.500	"								
Lead	ND	0.300	"								
Nickel	ND	0.500	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.00	"								

**Reference (BH40842-SRM1)**

Prepared &amp; Analyzed: 08/15/2014

Antimony	119	0.500	mg/kg wet	129	92.2	22.4-250					
Arsenic	81.2	1.00	"	88.4	91.8	69-131					
Barium	183	1.00	"	210	87.3	73.3-127					
Beryllium	51.5	0.100	"	55.8	92.2	73.1-127					
Cadmium	125	0.300	"	142	87.8	73.2-128					
Chromium	74.2	0.500	"	86.8	85.5	69.1-131					
Copper	255	0.500	"	268	95.3	76.1-124					
Lead	85.6	0.300	"	97.9	87.4	70.8-129					
Nickel	221	0.500	"	236	93.8	74.2-128					
Selenium	117	1.00	"	127	92.1	66.6-134					
Silver	57.3	0.500	"	66.2	86.6	67.1-133					
Thallium	124	1.00	"	140	88.7	68.3-132					
Vanadium	134	1.00	"	156	85.6	71.8-129					
Zinc	111	1.00	"	161	69.1	66.9-133					



**Mercury by EPA 7000/200 Series Methods - Quality Control Data**

**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	RPD Flag
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**Batch BH40764 - EPA 7473 soil**

**Blank (BH40764-BLK1)**

Prepared & Analyzed: 08/14/2014

Mercury ND 0.0300 mg/kg wet

**Reference (BH40764-SRM1)**

Prepared & Analyzed: 08/14/2014

Mercury 3.6067 mg/kg 3.73 96.7 68.6-131

**Batch BH40795 - EPA 7473 soil**

**Blank (BH40795-BLK1)**

Prepared & Analyzed: 08/14/2014

Mercury ND 0.0300 mg/kg wet

**Duplicate (BH40795-DUP1)**

\*Source sample: 14H0523-03 (SB-3 10-11')

Prepared & Analyzed: 08/14/2014

Mercury 0.0489 0.0315 mg/kg dry 0.0526 7.25 35

**Matrix Spike (BH40795-MS1)**

\*Source sample: 14H0523-03 (SB-3 10-11')

Prepared & Analyzed: 08/14/2014

Mercury 0.482 mg/kg 0.500 0.0500 86.4 75-125

**Reference (BH40795-SRM1)**

Prepared & Analyzed: 08/14/2014

Mercury 3.2393 mg/kg 3.73 86.8 68.6-131



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14H0523-01	SB-1 4-5'	40mL Vial with Stir Bar-Cool 4° C
14H0523-02	SB-2 5-6'	40mL Vial with Stir Bar-Cool 4° C
14H0523-03	SB-3 10-11'	40mL Vial with Stir Bar-Cool 4° C
14H0523-04	SB-4 4-5'	40mL Vial with Stir Bar-Cool 4° C
14H0523-05	SB-5 2-3'	40mL Vial with Stir Bar-Cool 4° C
14H0523-10	DUP	40mL Vial with Stir Bar-Cool 4° C
14H0523-11	TB-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Notes and Definitions

- VOA-Air Air bubbles were present in vial upon receipt by lab.
- S-08 The recovery of this surrogate was outside of QC limits.
- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interferences.
- QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
- M-LSRD Original sample conc <50 X reporting limit.
- M-BCCB Analyte in CCB > MDL. Sample conc. >10 X blank conc.
- M-ACCB Analyte in CCB. Run is bracketed by acceptable CCBs.
- IS-LO The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
- B Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence . This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.



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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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Corrective Action: The client requested additional testing for sample SB-3 0-1 on 8/19/14.

Revision Description: Separate report per Client





## **APPENDIX D**

## **WETLAND DELINEATION REPORT**

August 8, 2014

Ryan J Wohlstrom  
Project Engineer  
LANGAN Engineering  
Long Wharf Maritime Center  
555 Long Wharf Drive  
New Haven, CT 06511-6107

RE: Wetland delineation, New Lebanon School property, Greenwich

Dear Mr. Wohlstrom,

EPS was retained to delineate the wetlands and watercourses on the above referenced site. The wetland delineation was conducted by a soil scientist, according to the requirements of the CT Inland Wetlands and Watercourses Act (P.A. 155). Wetlands are defined as areas of poorly drained, very poorly drained, floodplain, and alluvial soils, as delineated by a soil scientist. Watercourses are defined as bogs, swamps, or marshes, as well as lakes, ponds, rivers, streams, etc., whether natural or man-made, permanent or intermittent.

The wetland and watercourse delineation was conducted on August 7, 2014 by examining the upper 20" of the soil profile with an auger. Those areas meeting the requirements noted above were marked with blue plastic tape labeled "WL" and numbered 1/16. A single wetland was delineated in the low swale located downslope (southeast) of the existing building. This wetland has been historically altered, as indicated by the presence of shallow fill, the presence of underdrains (two inlets were observed, outlet location unknown) and compacted gravelly fill located in areas immediately adjacent to the wetland.

Based on field observations as well as a review of the Natural Resources Conservation Service's Soil Survey Geographic Database (SSURGO), wetland soils consist of Aquents. The Aquents map unit is a miscellaneous land type used to denote man-made or man-disturbed areas that are wet. These soils have an aquic soil moisture regime and can be expected to support hydrophytic vegetation. Typically, these soils occur in places where less than 2 feet of earthen material have been placed over poorly or very poorly drained soils; areas where the natural soils have been mixed so that the natural soil layers are not identifiable; or where the soil materials have been excavated to the watertable.

Upland (non-wetland) soils consist of the Udorthents as well as the Hollis-Chatfield-rock outcrop complex. The Hollis series consists of shallow, well drained and somewhat excessively drained soils formed in a thin mantle of glacial till derived mainly from gneiss, schist, and granite. They are nearly level to very steep upland soils on bedrock controlled hills and ridges. Depth to hard bedrock ranges from 10 to 20 inches. Bedrock outcrops vary from few to many.

The Chatfield series consists of moderately deep, well drained, and somewhat excessively drained soils formed in till. They are nearly level to very steep soils on glaciated plains, hills, and ridges. Slope ranges

from 0 to 70 percent. Crystalline bedrock is at depths of 20 to 40 inches. The soils formed in a moderately thick mantle of glacial till overlying granite, gneiss, or schist bedrock. Rock outcrops are rare to common and are limited to the more resistant bedrock.

Udorthents is a miscellaneous land type used to denote moderately well to excessively drained earthen material which has been so disturbed by cutting, filling, or grading that the original soil profile can no longer be discerned.

If you have any questions regarding my findings please feel free to contact me.

Respectfully submitted,



Eric Davison  
*Registered Soil Scientist*  
*Certified Professional Wetland Scientist*

