Site Characterization Report
Loucks Road Extension Offsite
DeWitt, New York
Site No. C734145A

October 3, 2024
Second Revision

Prepared for:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
625 Broadway, 12th Floor
Albany, New York 12233-7013

Prepared by:

ECOLOGY AND ENVIRONMENT ENGINEERING AND GEOLOGY, P.C.
40 La Riviere Drive, Suite 320
Buffalo, New York 14202

©2024 Ecology and Environment Engineering and Geology, P.C.

Table of Contents

Section **Page**

1 Introduction 1-1
1.1 Site Location and Description 1-1
1.2 Site History 1-1
1.3 Previous Investigations 1-2
1.3.1 2013 to 2014 Phase II – Asbestos & Environmental Consulting Corporation 1-2
1.3.2 2020 Off-Site Investigation – Groundwater & Environmental Services Inc. 1-2
1.3.3 2023 Phase II – Asbestos & Environmental Consulting Corporation 1-3
1.4 Regional Geology 1-3

2 Site Characterization Activities 2-1
2.1 Soil Sampling Procedures and Analyses 2-2
2.2 Decontamination Procedures 2-3
2.3 Investigation-Derived Waste Disposal 2-3
2.4 Quality Assurance/Quality Control 2-4

3 Results 3-1
3.1 Site Geology 3-1
3.2 Analytical Results 3-1

4 Discussion 4-1
4.1 Summary 4-1
4.2 Recommendations 4-2

5 References 5-1

Table of Contents (cont.)

Appendix		Page
A	2019-2020 NYSDEC Off-site Sampling Results	A-1
B	Soil Boring Logs	B-1
C	Dust Monitoring Data	C-1
D	Laboratory Reports	D-1
E	Data Usability Summary Reports	E-1

List of Tables

Table

1 Summary of Analytical Results for Soil Samples..... A-1

List of Figures

Figure

1 Site Location Map F-1

2 Sample Location Map F-2

3 Sample Location and Analytical Results, South Area F-3

4 Sample Location and Analytical Results, Northwest Area F-4

5 Sample Location and Analytical Results, Northeast Area F-5

List of Abbreviations and Acronyms

AECC	The Asbestos & Environmental Consulting Corporation
BCP	Brownfield Cleanup Program
bgs	below ground surface
CAMP	Community Air Monitoring Plan
E & E	Ecology and Environment Engineering and Geology, P.C.
EPA	United States Environmental Protection Agency
GES	Groundwater & Environmental Services Inc.
mg/kg	milligram per kilogram
MS/MSD	matrix spike/matrix spike duplicate
NRCS	Natural Resources Conservation Service
NYSDEC	New York State Department of Environmental Conservation
PCBs	polychlorinated biphenyls
PID	photoionization detector
QA/QC	quality assurance/quality control
SAP	Sampling and Analysis Plan
SCO	soil cleanup objective
SIP	self-implementing cleanup plan
TSCA	Toxic Substances Control Act

1 Introduction

This Site Characterization report presents the results of activities conducted pursuant to Work Assignment D009807-32 by Ecology and Environment Engineering and Geology, P.C. (E & E) on behalf of the New York State Department of Environmental Conservation (NYSDEC), Division of Environmental Remediation, at the Loucks Road Extension Offsite, Site Number C734145A (Site). The scope of work, which was provided in the *Site Characterization Sampling and Analysis Plan* (SAP) (E & E 2023), was developed in response to investigations conducted on an adjacent Brownfield Cleanup Program (BCP) site (Bowers Business Park, BCP Site No. C734145) and offsite investigations conducted by NYSDEC. These investigations revealed the presence of polychlorinated biphenyls (PCBs) in surface and shallow subsurface soils on the BCP site and in offsite soils adjacent to the BCP site.

The primary elements of the site characterization work included surface and subsurface soil sampling conducted with hand tools and the installation of soil borings to determine the lateral and vertical extent of PCB soil contamination exceeding the NYSDEC 6 NYCRR Part 375-6 commercial use soil cleanup objective (SCO) of 1 milligram per kilogram (mg/kg) for surface soils, and a site-specific SCO of 1 mg/kg for subsurface soils.

1.1 Site Location and Description

The Loucks Road Extension offsite area is located in a rural suburban area along Canada Drive, Loucks Road Extension, and Collamer Road (NYS Route 298) in the Town of Dewitt, New York (see Figure 1). The Site consists of approximately 2.3 acres of landscaped, municipally-owned land, along Loucks Road and Canada Drive. The Site is located to the west/northwest of the vacant Bowers Business Park BCP site. A FedEx Freight distribution facility is located adjacent to and north of the Canada Drive portion of the Site where approximately 1.6-acre of grass and paved area was investigated. The Bowers Business Park BCP site is currently vacant and zoned for industrial use. Properties located nearby are zoned industrial, business transitional, and residential. The nearest residential properties are located on Sand Hill Road immediately adjacent to the western side of Loucks Road.

1.2 Site History

The Site and the Bowers Business Park BCP have a history of agricultural use (field crops, dairy, and milk plant) until the 1980s. Some sand quarrying in the

southern portion of the Bowers Business Park BCP site also occurred. In 1990 the property was sold to 100 Collingwood Corporation and the farming/quarry operations ceased. Beginning in April 2008, the Site was cleared and graded, and the Loucks Road Extension and Canada Drive were constructed, and storm/sanitary sewers were installed along both roads. The storm sewers drain to a retention pond constructed on the Bowers Business Park BCP site.

In March 2013, the owner was notified that soils sampled and analyzed at the Bowers Business Park BCP site by the land development contractor contained PCBs. Subsequent sampling and analysis by the Owner's consultant confirmed the presence of PCBs. The NYSDEC was notified and spill number 14-00433 was assigned to the Bowers Business Park BCP site. It is currently unknown from where the PCB-impacted soil originated; however, based on aerial photos, it appears as if soil from piles previously present at the Bowers Business Park BCP site were used as grading and fill material during infrastructure improvements. To determine the nature and extent of the PCB contamination, the previous Owner performed additional sampling of surface soils and existing soil piles. More than 100 surface soil samples were collected within the Bowers Business Park BCP site and adjacent areas showing widespread PCB contamination. In addition, a limited number of soil samples at depth were collected and results for the deeper samples indicated concentrations diminish with depth supports the assumption that the PCB contamination is primarily present in surficial and near-surface soils and resulted from use and grading of PCB-contaminated fill soil.

1.3 Previous Investigations

1.3.1 2015 and 2016 Phase II – Asbestos & Environmental Consulting Corporation

The Asbestos & Environmental Consulting Corporation (AECC) performed investigation of PCBs in surface soils at the vacant lots of the Bowers Business Park BCP (AECC 2015 and AECC 2016). The purpose of the investigations was to evaluate the extent of PCB-impacted shallow soils and soil piles, which had been previously identified in topsoil that potentially originated at the Bowers Business Park BCP site. The results of the investigations revealed total PCB concentrations ranging from non-detect to as high as 4,404 mg/kg at the Bowers Business Park BCP site east of Loucks Road and a limited number of nearby Site samples (AECC 2015 and AECC 2016).

1.3.2 2020 Off-Site Investigation – Groundwater & Environmental Services Inc.

Groundwater & Environmental Services Inc. (GES), at the request of NYSDEC, conducted an offsite investigation in 2020. This investigation characterized soil conditions within the municipally owned area along Loucks Road Extension and Canada Drive. The investigation was conducted as a follow-up to a previous investigation conducted in October and November 2019 by NYSDEC; the results of which are included in the GES report. The results of the investigation revealed PCB concentrations in surface and shallow subsurface soil that ranged from non-

detect to 260 mg/kg. The only Aroclor detected during this investigation was Aroclor-1248 (GES 2020). Analytical results from this investigation are included in Appendix A.

1.3.3 2023 Phase II – Asbestos & Environmental Consulting Corporation

AECC, on behalf of Bowers Business Park, continued to implement a surface soil, subsurface soil, soil vapor, and groundwater investigation to determine the presence of VOCs, SVOC, metals, pesticides, herbicides, and PCBs, primarily in the onsite area of Bowers Business Park. In November 2023 the Bowers Business Park participation in the Brownfield Cleanup Program was terminated and the study was canceled.

1.4 Regional Geology

A map of the surficial geology of the area indicates that surficial deposits reportedly consist of lacustrine sands. The thickness of this material is variable, but generally twelve (12) to twenty (20) feet thick. Nearby deposits consist of lacustrine silts and clays (New York State Museum 1986).

The Natural Resources Conservation Service (NRCS 2023) maps soils within the project area as Colonie loamy fine sand with minor units including Lockport and Brockport silty clay loams and Arkport very fine sandy loam. These soils were formed in sandy glaciofluvial materials, consistent with the materials identified on the surficial geology map.

No study was conducted into groundwater or hydrology at the Site.

2 Site Characterization Activities

Site characterization activities were performed in August through December 2023 and in July 2024 in accordance with the SAP (E & E 2023), E & E's Master Quality Assurance Project Plan (QAPP) (E & E 2020a), and Field Activities Plan (FAP) (E & E 2020b). The primary scope of work included supplementing the 2019 and 2020 GES Phase II investigation data to refine the extent of contamination with the goal of vertically and horizontally delineating the PCB contamination in soil.

LaBella Associates was subcontracted to provide drilling services. LaBella contacted Dig Safely New York to request mark-outs of underground utilities prior to beginning intrusive activities in accordance with New York Code Rule 753. In addition, the subcontractor utilized a private utility locating service to locate private service lines including those servicing the FedEx Freight facility.

A New York State-licensed land surveyor (Popli Design Group) was subcontracted to perform a base map site survey that include a partial property parcel survey, edge of pavement and sidewalks, utility locations, surface water drainage features, and other pertinent site features. Proposed sampling locations for this site characterization were determined using the results of previous sampling efforts and discussion with the United States Environmental Protection Agency (EPA) regarding Toxic Substances Control Act (TSCA) requirements. The proposed location coordinates were sent to the surveyor to locate and mark the proposed sampling locations at the Site prior to sampling. Locations were resurveyed after the first phase of sampling was completed. Many sampling locations were moved due to the presence of utilities as well as additional samples locations being added to the scope to characterize shallow soil above utilities. The second through fourth phases of sampling utilized the pre-marked sample locations from the surveyors that were left in place. The coordinates for additional sampling locations that were added after phase one of sampling were determined by E & E by measuring distances in the field from previously surveyed locations. Locations were surveyed to a horizontal accuracy of 0.1 foot referenced to New York State Plane Central Zone using the North American Datum of 2011 (NAD83) horizontal datum. Elevations were surveyed to a vertical accuracy of 0.01 foot referenced to the North American Vertical Datum of 1988 (NAVD88).

Laboratory analytical services for analysis of soil were subcontracted to Alpha Analytical, Inc. (a wholly owned subsidiary of by Pace Analytical), located in East Longmeadow, MA.

A Community Health and Safety Plan, including site-specific Community Air Monitoring Plan (CAMP), was implemented during intrusive sampling activities conducted with the Geoprobe (see Appendix A of the SAP; E & E 2023).

2.1 Soil Sampling Procedures and Analyses

Between July 31 and August 10, 2023, a total of 54 locations, designated SB01 through SB48 and SB60 through SB65, were sampled using hand tools and a track-mounted direct push (i.e., Geoprobe) drill rig. Between September 26 and December 15, 2023, 21 additional locations, designated SB49 through SB59 and SB66 through SB75, were sampled using a track-mounted, direct-push drill rig. On July 11 and 12, 2024, four additional locations, designated SB76 through SB79, were sampled using hand tools. Additionally, deeper soil samples were collected from 47 previous locations, including locations from the 2019 and 2020 GES Phase II investigation, to delineate the lateral and vertical extent of PCB contamination exceeding 1 mg/kg. The sampling was conducted over three events, at locations SB49 through SB59 and SB68 through SB79 (see Figure 2).

Surface sampling was conducted using a trowel and hand auger from ground surface to 12 inches below ground surface (bgs) or deeper when necessary, such as over utilities. The July 2024 sampling was conducted using a hand auger; most locations were 24 inches deep but seven locations were up to 54 inches deep and encountered refusal. Overall, most subsurface sampling was conducted using continuous macro-core sampling from ground surface to at least 36 inches bgs at each location. When additional vertical delineation was needed, continuous macro-core sampling was conducted to depths as deep as 72 inches bgs. All soil cores were logged in the field for soil type, color, and moisture content and screened for organic vapors with a photoionization detector (PID). Dust and VOCs were also monitored up- and downwind of drilling locations during ground intrusive activities per the CAMP. A MiniRAE 3000 PID and TrakPro DustTrak PM-10 dust monitor were used and there were no readings above background. Soil boring logs are provided in Appendix B. Dust monitoring reports are provided in Appendix C.

Along Loucks Road and Canada Drive, as well as on the FedEx property, samples were generally collected approximately every 50 to 60 feet, with tighter spacing in some areas where PCBs were previously detected at concentrations greater than 50 mg/kg. At new sampling locations, continuous soil cores were collected and individual soil samples were collected for laboratory analysis. Surface soil samples were collected from the interval of 0 to 2 inches and subsurface soil samples were collected from the intervals of 6 to 12 inches, 12 to 24 inches, and 24 to 36 inches. Samples from the 24- to 36-inch interval were initially placed on hold at the lab pending analytical results of the shallower samples. Upon reviewing ana-

lytical data, if a sample exceeded 1 mg/kg of total PCBs, deeper samples were analyzed from the same boring location. Sampling locations are presented on Figures 2 through 5.

Deviations from the proposed scope in the SAP include:

- Location SB15 was sampled in both August and December 2023 at adjacent locations SB15A and SB15B. The original sample location, SB15A, was sampled using the Geoprobe and the subsequent location, SB15B, was sampled using a hand auger. The purpose of the resampling was to compare methodologies and evaluate whether one was more likely to cause "carry down" or cross contamination of intevals. The results showed the same distribution pattern of PCBs in the top three samples that were repeated, but the concentrations were higher in SB15B and those results are used in this report. Additional deeper samples were also collected at location SB15B.
- SB09 through SB 13 and SB17 are missing some sample intervals due to over drilling by the Geoprobe operator to counteract poor sample recovery. For example, if the 4-foot macrocore tube was pushed to 4.5 feet, the bottom was discarded and sample intervals were adjusted to account for loss. Subsequent hand auger sampling at the same boring locations identified the correct depths at which sampling ended during macrocore sampling before collecting deeper samples.
- SB43 is missing sampling intervals due to no recovery in crushed stone subbase material.
- SB60 through SB65 were added adjacent to sidewalks and roads where shallow utilities were present.
- At sample locations OS-SS-01, OS-SS05, OS-SS-11, OS-SS-13, and OS-SS-24 the vertical extent was not delineated below 1 mg/kg due to encountering refusal.

2.2 Decontamination Procedures

The following procedures were used for all non-dedicated equipment and tools including downhole equipment such as macro-core barrels and cutting shoes and hand augers:

- Initially remove all foreign matter;
- Scrub with brushes in a laboratory-grade detergent solution; and
- Rinse with distilled water.

2.3 Investigation-Derived Waste Disposal

Two investigation-derived waste streams were generated during sampling activities: expendable material solid wastes such as personal protective equipment, paper towels, plastic tubing, macro-core sleeves etc. and excess soil from soil boring drilling. Expendable materials generated during the investigation were bagged and

disposed of off-site as non-hazardous solid waste. Soil generated during installation of soil borings were placed back downhole in the same orientation that it was brought up. No hazardous waste was generated for disposal at offsite facilities during field activities.

2.4 Quality Assurance/Quality Control

Quality assurance/quality control (QA/QC) procedures were performed in accordance with E & E's 2020 *Master Quality Assurance Project Plan for New York State Department of Environmental Conservation Projects*, Contract No. D009807 (E & E 2022a). Specific QA/QC activities included:

- Collection of field duplicates at a rate of 1 per 20 samples per matrix.
- Collection of additional volume for matrix spike/matrix spike duplicate (MS/MSD) analysis at a rate of 1 per 20 samples per matrix.
- Collect approximately one equipment rinsate blank daily from sampling equipment. One sample per matrix per day was collected for all analyses performed on that matrix. Laboratory-supplied, analyte-free water was used for rinsate blanks.
- Documentation of all data and observations on field data sheets and/or in the field logbooks.
- Operation and calibration of all field instruments in accordance with operating instructions as supplied by the manufacturer.
- Ensure all laboratory deliverables were validated by an E & E chemist prior to release.

Laboratory deliverables were reviewed in accordance with NYSDEC's reporting requirements in *DER-10, Technical Guidance for Site Investigation and Remediation* (NYSDEC 2010). The data were qualified following guidelines in EPA Region 2's data validation standard operating procedures (EPA 2015). The data review included an evaluation of the following:

- Sample preservation,
- Holding times,
- Reporting limits,
- Laboratory blanks,
- MS/MSD samples,
- Laboratory control samples,
- Field duplicates,
- Sample result verification, and
- Method-specific quality control samples.

Laboratory reports were provided as NYSDEC DER-10 Category B deliverables (see Appendix D.

Details of the data review are provided in the data usability summary reports provided in Appendix E In general, there were several results that were flagged as estimated or not detected with estimated reporting limits due to issues such as matrix interference (resulting in recovery outside of acceptance criteria for MS/MSD and poor precision between MS and MSD samples), poor continuing calibration verification sample recoveries, etc. Some samples were diluted to bring the concentrations of target analytes within calibration range of the laboratory equipment and were marked as estimated. Remaining analytical data showed no significant signs of impacts affecting the overall usability of the data (see Appendix E).

3 Results

3.1 Site Geology

Soils logged in 2023 and 2024 by E & E geologists indicate that the shallow overburden at the Site primarily consists of a tan sandy loam that contains silt, sand, and gravel while the subsurface consisted more of silts sands and clays. Additionally, fill and gravel are commonly found adjacent to the roads.

Headspace analysis of the soil samples was conducted periodically for each sampling interval using a MiniRAE 3000 PID equipped with a 11.7eV lamp. PID readings were at or just above background levels at all locations. All observed volatile organic readings are believed to have been due to background conditions such as soil moisture, natural organic material decay, etc. (see Appendix B).

3.2 Analytical Results

Table 1 presents the analytical results for soil samples collected at the Site on behalf of NYSDEC in 2023 and 2024. Results from the 2019 and 2020 site investigations are provided in Appendix A (2019 and 2020 data on the figure, and 2020 data in the tables). Contaminant concentrations in soil were compared to the Unrestricted and Commercial use SCOs from 6 NYCRR Part 375-6.8(a) and (b). The Unrestricted SCO is 0.1 mg/kg and the Commercial SCO is 1 mg/kg. A site specific SCO of 1 mg/kg PCBs was applied to subsurface soils. Disposal of PCB wastes containing 50 mg/kg or more of PCBs is regulated by TSCA.

PCB Aroclor identification by the laboratory indicates that the majority (approximately 90%) of the PCB detections are Aroclor-1248 with trace detections of Aroclor-1254 (2% of detections), Aroclor-1260 (8% of detections), and Aroclor -1268 (one detection, less than 0.3%). The following soil results are discussed are in terms of total PCBs.

A total of 350 soil samples were collected from 100 soil boring locations sampled as part of this investigation. Out of the 350 soil samples analyzed, there were a total of 330 samples that contained positive detections for total PCBs and 20 that were non-detect. Of the detections (excluding QC samples), 185 soil samples contained PCB concentrations that exceeded the Commercial SCO of 1 mg/kg. The average PCB concentration (using the method detection limit if no PCBs were detected) for soil samples is 11.4 mg/kg and the median value is 1.24 mg/kg. The median value indicates the more than half of the samples collected exceed the commercial SCO of 1 mg/kg. The average depth of exceedances is 15 inches bgs.

During the previous investigations conducted by NYSDEC in 2019 and 2020, the maximum total PCB concentration was 260 mg/kg from 0 to 2 inches along the south side of the Canada Drive (OS-SS-10).

Analytical data results for total PCBs in soil obtained during this investigation ranged from non-detect to 164 mg/kg across the Site. There are 15 soil boring locations with results exceeding 50 mg/kg and many of them can be found in clusters. A cluster can be found along the east side of Loucks Road at locations; SB08 (85.2 mg/kg), SB09 (164 mg/kg), SB10 (152 mg/kg), SB11 (91.7 mg/kg), SB15 (156 mg/kg), SB17 (54.7 mg/kg), OS-SS-02 (130 mg/kg), and OS-SS-03 (61.5 mg/kg) (see Figure 4). Another cluster over 50 mg/kg can be found halfway up Canada Drive to the cul-de-sac including locations SB37 (75.1 mg/kg), SB38 (74.9 mg/kg), SB39 (55.7 mg/kg), OS-SS-18 (59.7 mg/kg), and OS-SS-10 (260 mg/kg) (see Figure 5). Singular exceedances of 50 mg/kg are also located at SB43 (130 mg/kg) on the south side of the entrance to the cul-de-sac on Canada Drive and at OS-SS-01 (87.3 mg/kg) on the west side of Loucks Road just south of the intersection of Canada Drive and Loucks Road (see Figure 5).

Analytical soil results indicate that PCB concentrations are generally highest in the top 12 inches and decrease with depth, with a few exceptions. Along Canada Drive, the deepest samples with PCB concentrations exceeding 1 mg/kg are at 24 inches bgs except for SB24 at a depth of 42 inches bgs and SB43 at an expected depth of 60 inches bgs (see Figures 4 and 5, respectively). Along the east side of Loucks Road, the north end has PCBs exceeding SCOs at depths of 60 inches bgs while the south end is at 54 inches bgs but tapers off to 24 inches bgs. The west side of Loucks Road has shallow exceedances at depths of about 12 inches on the north and south ends but go as deep as 48 inches in the middle (see Figures 3 and 4). As analytical results get farther north of Canada Drive onto the FedEx property, concentrations depths decrease and are mostly shallower than 12 inches bgs (see Figures 4 and 5).

4 Discussion

4.1 Summary

The focus of the investigation is the soil on the municipally owned land along Canada Drive and Loucks Road extension that was constructed in 2008. The municipal property line extends roughly 25 feet north and 20 feet south from the edges of Canada Drive as well as 20 feet east and approximately 100 feet west of the edges of Loucks Road. The site investigation also extended north of Canada Drive onto the FedEx property by approximately 100 feet (see Figure 1). The PCB impacts from the construction of Canada Drive and Loucks Road extension extend as far as 230 feet west of the intersection along Canada Drive and all the way east to the cul-de-sac. The impacts also extend up to 630 feet south along Loucks Rd. Analytical results on the FedEx property indicate PCB concentrations are low with the highest being 5.73 mg/kg at SB51. PCB impacts on the FedEx property are shallow, generally less than 12 inches bgs and are seen at distances 35 feet from the edge of Canda Drive. At distances up to 80 feet from the edge of Canada Drive, PCB concentrations are non-detect (see Figures 4 and 5).

The higher PCB concentrations and deeper exceedances of SCOs are along the border with the Bowers Business Park BCP property, the south end of Canada Drive, and the east side of Loucks Road (see Figures 4 and 5). The source of contamination is thought to be surface soils east of Loucks Road and south of Canada Drive near the center of Bowers Business Park BCP property where the highest PCB concentrations were detected during previous BCP site investigations. Onsite soils were used to backfill trenches after construction of the roads and storm sewer (AECC 2015 and AECC 2016). That may explain the increased depth of PCB contamination in the roadside areas.

The vertical extent of PCBs exceeding 1 mg/kg in the northeast area of the site along Canada Drive and around the cul-de-sac have not been fully delineated due to refusal at the following sampling locations: OS-SS-05, OS-SS-11, and OS-SS-13. Two other locations, OS-SS-01 and OS-SS-24, on the west side of Loucks Road have also not been vertically delineated due to refusal. Sufficient data has been collected to date in the surrounding samples to estimate the vertical extent of excavation that would be required to address PCBs exceeding 1 mg/kg and prepare a self-implementing cleanup plan (SIP) that will also address any remaining data gaps. Additionally, post excavation confirmation sampling will be performed as part of the SIP implementation to confirm sufficient removal of PCBs contamination in soil.

4.2 Recommendations

Cleanup of the offsite area along Loucks Road Extension and Canada Drive will require notification to EPA consisting of a cleanup and disposal plan in compliance with TSCA regulations. This will involve preparation and implementation of a SIP.

Additional samples should be collected to address the data gaps identified above including the vertical extent of PCBs exceeding 1 mg/kg at sampling locations OS-SS-01, OS-SS-05, OS-SS-11, OS-SS- 13, and OS-SS-24. This additional sampling may be conducted as part of the post-excavation confirmation sampling required by EPA as part of the TSCA cleanup plan, SIP or otherwise.

5 References

Asbestos and Environmental Consulting Corporation. 2015. *PCBs in Surface Soils Report*, prepared for Woodbine Business Park, Inc., dated September 15, 2015.

_____. 2016. *PCBs in Surface Soils Report*, prepared for Woodbine Business Park, Inc., dated May 11, 2016.

_____. 2022. *Remedial Investigation Work Plan, BCP Site # C734145*, prepared for Bowers Business Park, LLC September 2022.

Ecology and Environment Engineering and Geology, P.C. (E & E). 2022. *Site Characterization Sampling and Analysis Plan Loucks Road Extension – Offsite NYSDEC Site No. C734145A Town of Dewitt, East Syracuse, New York*, prepared for the New York State Department of Environmental Conservation, June 2023

_____. 2020a. *Master Quality Assurance Project Plan (QAPP) for New York State Department of Environmental Conservation Projects, Contract No. D009807* May 2020.

_____. 2020b. *Field Activities Plan (FAP) for the Division of Environmental Remediation Standby Engineering Services, Contract D009807*, 2022.

Groundwater & Environmental Services, Inc. 2020. *Off-Site Investigation Report*, prepared for NYS Department of Environmental Conservation, May 2020.

Natural Resources Conservation Service (NRCS). 2023. Web Soil Survey. Available at https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm. Accessed December 2023.

New York State Department of Environmental Conservation (NYSDEC). 2010. *DER-10, Technical Guidance for Site Investigation and Remediation*, May 2010.

New York State Museum/New York State Geological Survey. 1986. Surficial Geologic Map of New York – Finger Lakes Sheet. Available at: https://www.nysm.nysed.gov/research-collections/geology/gis (Accessed December 2023).

United States Environmental Protection Agency (EPA). 2015. *Hazardous Waste Support Section, SOP No. HW-37A Revision 0, SOM02.2, Polychlorinated Biphenyl (PCB) Aroclor Data Validation*, EPA Region 2, June.

Tables

Table 1 - Summary of Analytical Results for Soil Samples
Loucks Road Extension, East Syracuse, NY

Analyte	Unrestricted SCO	Commercial SCO	Location ID:	OS-SS-01	OS-SS-01	OS-SS-01	OS-SS-01	OS-SS-01	OS-SS-01	OS-SS-01	OS-SS-03	OS-SS-03	OS-SS-03	OS-SS-03	OS-SS-03
			Sample ID:	OS-SS-01-Z6-12	OS-SS-01-Z12-24	OS-SS-01-Z24-36	OS-SS-01-Z24-36-Q	OS-SS-01-Z36-42	OS-SS-01-Z42-48	OS-SS-01-Z48-54	OS-SS-03-Z6-12	OS-SS-03-Z12-24	OS-SS-03-Z24-36	OS-SS-03-Z36-42	OS-SS-03-Z42-48
			Depth:	6 - 12 in	12 - 24 in	24 - 36 in	24 - 36 in	36 - 42 in	42 - 48 in	48 - 54 in	6 - 12 in	12 - 24 in	24 - 36 in	36 - 42 in	42 - 48 in
			Date:	07/11/24	07/11/24	07/11/24	07/11/24	07/11/24	07/11/24	07/11/24	12/14/23	12/14/23	12/14/23	12/14/23	12/14/23
PCBs by Method SW8082A (mg/kg)															
PCB-1016 (Aroclor 1016)	N/A	N/A		0.54 U	0.5 U	0.0961 U	0.0926 U	0.093 U	0.0968 U	0.0864 U	2.3 U	2.44 U	2.47 U	0.49 U	0.486 U
PCB-1221 (Aroclor 1221)	N/A	N/A		0.609 U	0.564 U	0.108 U	0.104 U	0.105 U	0.109 U	0.0974 U	2.6 U	2.76 U	2.78 U	0.553 U	0.548 U
PCB-1232 (Aroclor 1232)	N/A	N/A		1.29 U	1.19 U	0.229 U	0.221 U	0.222 U	0.231 U	0.206 U	5.49 UJ	5.83 UJ	5.89 UJ	1.17 U	1.16 U
PCB-1242 (Aroclor 1242)	N/A	N/A		0.819 U	0.759 U	0.146 U	0.14 U	0.141 U	0.147 U	0.131 U	3.49 U	3.71 U	3.75 U	0.744 U	0.738 U
PCB-1248 (Aroclor 1248)	N/A	N/A		**77.2**	**87.3**	**15.7**	**12.9**	**16.6**	**7.67**	**2.93**	**57.9**	**58.3**	**54**	**59.6**	**61.5**
PCB-1254 (Aroclor 1254)	N/A	N/A		0.665 U	0.616 U	0.118 U	0.114 U	0.114 U	0.119 U	0.106 U	2.83 U	3.01 U	3.04 U	0.604 U	0.598 U
PCB-1260 (Aroclor 1260)	N/A	N/A		1.12 U	1.04 U	0.2 UJ	0.193 UJ	0.194 UJ	0.202 UJ	0.18 U	4.79 U	5.08 U	5.14 U	1.02 UJ	1.01 UJ
PCB-1262 (Aroclor 1262)	N/A	N/A		0.772 U	0.715 U	0.137 U	0.132 U	0.133 U	0.138 U	0.124 U	3.29 U	3.49 U	3.53 U	0.701 U	0.695 U
PCB-1268 (Aroclor 1268)	N/A	N/A		0.629 U	0.583 U	0.112 U	0.108 U	0.108 U	0.113 U	0.101 U	2.68 U	2.85 U	2.88 U	0.572 U	0.567 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1		**77.2**	**87.3**	**15.7**	**12.9**	**16.6**	**7.67**	**2.93**	**57.9**	**58.3**	**54**	**59.6**	**61.5**

Analyte	Unrestricted SCO	Commercial SCO	Location ID:	OS-SS-03	OS-SS-03	OS-SS-03	OS-SS-04	OS-SS-04	OS-SS-04	OS-SS-05	OS-SS-05	OS-SS-05	OS-SS-07	OS-SS-08	OS-SS-08
			Sample ID:	OS-SS-03-Z48-54	OS-SS-03-Z54-60	OS-SS-03-Z60-66	OS-SS-04-Z12-24	OS-SS-04-Z12-24-Q	OS-SS-04-Z24-36	OS-SS-05-Z6-12	OS-SS-05-Z12-24	OS-SS-05-Z24-36	OS-SS-07-Z6-12	OS-SS-08-Z6-12	OS-SS-08-Z12-24
			Depth:	48 - 54 in	54 - 60 in	60 - 66 in	12 - 24 in	12 - 24 in	24 - 36 in	6 - 12 in	12 - 24 in	24 - 36 in	6 - 12 in	6 - 12 in	12 - 24 in
			Date:	12/14/23	12/14/23	12/14/23	12/14/23	12/14/23	12/14/23	07/11/24	07/11/24	07/11/24	12/14/23	07/11/24	07/11/24
PCBs by Method SW8082A (mg/kg)															
PCB-1016 (Aroclor 1016)	N/A	N/A		0.506 U	0.00458 U	0.00436 U	0.0999 U	0.126 U	0.00503 U	0.0946 U	0.0256 U	0.0243 U	0.005 UJ	0.00476 U	0.00476 U
PCB-1221 (Aroclor 1221)	N/A	N/A		0.571 U	0.00517 U	0.00492 U	0.113 U	0.142 U	0.00567 U	0.107 U	0.0289 U	0.0274 U	0.00564 U	0.00537 U	0.00537 U
PCB-1232 (Aroclor 1232)	N/A	N/A		1.21 U	0.0109 U	0.0104 U	0.238 UJ	0.301 UJ	0.012 U	0.226 U	0.0611 U	0.0579 U	0.0119 U	0.0114 U	0.0114 U
PCB-1242 (Aroclor 1242)	N/A	N/A		0.769 U	0.00695 U	0.00662 U	0.152 U	0.191 U	0.00763 U	0.144 U	0.0389 U	0.0368 U	0.0076 U	0.00723 U	0.00722 U
PCB-1248 (Aroclor 1248)	N/A	N/A		**39.8**	**1.16**	**0.542**	**4.34**	**6.15**	**0.146**	**5.87**	**4.09**	**4.13**	**0.0681**	**0.427**	**0.0438 J**
PCB-1254 (Aroclor 1254)	N/A	N/A		0.624 U	0.00564 U	0.00537 U	0.123 U	0.155 U	0.00619 U	0.117 U	0.0315 U	0.0299 U	0.00616 U	0.00587 U	0.00586 U
PCB-1260 (Aroclor 1260)	N/A	N/A		1.05 UJ	**0.0189 J**	0.00907 UJ	0.208 U	0.262 U	0.0105 UJ	0.197 U	0.0533 U	0.0505 UJ	0.0104 U	0.00991 U	0.0099 U
PCB-1262 (Aroclor 1262)	N/A	N/A		0.724 U	0.00655 U	0.00623 U	0.143 U	0.18 U	0.00719 U	0.135 U	0.0366 U	0.0347 U	0.00716 U	0.00681 U	0.00681 U
PCB-1268 (Aroclor 1268)	N/A	N/A		0.591 U	0.00534 U	0.00508 U	0.116 U	0.147 U	0.00587 U	0.11 U	0.0299 U	0.0283 U	0.00584 U	0.00556 U	0.00555 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1		**39.8**	**1.18 J**	**0.542**	**4.34**	**6.15**	**0.146**	**5.87**	**4.09**	**4.13**	**0.0681**	**0.427**	**0.0438 J**

Key:
"-Q" denotes field duplicate sample
J = Estimated value
mg/kg = Milligrams per kilogram
N/A = Not regulated/no available criteria
SCO = Soil Cleanup Objectives
U = Not detected (method detection limit shown)
UJ = Not detected/estimated detection limit

Bold values denote positive detections.

Exceeds Unrestricted SCO values.

Exceeds Commercial SCO values.

SCOs from New York State Department of Environmental Conservation, 6 NYCRR Part 375 Environmental Remediation Programs, 2006 , Table 375-6.8(a) and (b).

Table 1 - Summary of Analytical Results for Soil Samples
Loucks Road Extension, East Syracuse, NY

Analyte	Unrestricted SCO	Commercial SCO	Location ID:	OS-SS-11	OS-SS-12	OS-SS-12	OS-SS-13	OS-SS-13	OS-SS-14	OS-SS-16	OS-SS-16	OS-SS-16	OS-SS-17	OS-SS-17	OS-SS-17
			Sample ID:	OS-SS-11-Z12-24	OS-SS-12-Z12-24	OS-SS-12-Z24-36	OS-SS-13-Z6-12	OS-SS-13-Z12-15	OS-SS-14-Z6-12	OS-SS-16-Z6-12	OS-SS-16-Z12-24	OS-SS-16-Z12-24-Q	OS-SS-17-Z6-12	OS-SS-17-Z12-24	OS-SS-17-Z24-36
			Depth:	12 - 24 in	12 - 24 in	24 - 36 in	6 - 12 in	12 - 15 in	6 - 12 in	6 - 12 in	12 - 24 in	12 - 24 in	6 - 12 in	12 - 24 in	24 - 36 in
			Date:	07/12/24	12/13/23	12/13/23	07/12/24	07/12/24	07/12/24	07/12/24	07/12/24	07/12/24	07/12/24	07/12/24	07/12/24
PCBs by Method SW8082A (mg/kg)															
PCB-1016 (Aroclor 1016)	N/A	N/A		0.0243 U	0.0969 U	0.00494 U	0.0933 U	0.0226 U	0.00501 U	0.024 U	0.00459 U	0.00461 U	0.497 U	0.104 U	0.00517 U
PCB-1221 (Aroclor 1221)	N/A	N/A		0.0274 U	0.109 U	0.00558 U	0.105 U	0.0255 U	0.00566 U	0.0271 U	0.00518 U	0.0052 U	0.561 U	0.118 U	0.00584 U
PCB-1232 (Aroclor 1232)	N/A	N/A		0.0579 U	0.231 U	0.0118 U	0.223 U	0.0539 U	0.012 U	0.0573 U	0.011 U	0.011 U	1.19 U	0.249 U	0.0124 U
PCB-1242 (Aroclor 1242)	N/A	N/A		0.0368 U	0.147 UJ	0.0075 UJ	0.142 U	0.0343 U	0.00761 U	0.0364 U	0.00697 U	0.007 U	0.755 U	0.158 U	0.00785 U
PCB-1248 (Aroclor 1248)	N/A	N/A		**1.32**	**3.31**	**0.391**	**7.65**	**2.1**	**0.0633**	**2.84**	**0.439**	**0.264**	**46.9**	**8.79**	**0.196**
PCB-1254 (Aroclor 1254)	N/A	N/A		0.0299 U	0.119 U	0.00609 U	0.115 U	0.0278 U	0.00618 U	0.0296 U	0.00566 U	0.00568 U	0.613 U	0.128 U	0.00637 U
PCB-1260 (Aroclor 1260)	N/A	N/A		0.0505 U	0.202 U	0.0103 U	0.194 U	0.047 UJ	**0.0195 J**	0.05 U	0.00956 U	0.00959 U	1.04 U	0.217 U	0.0108 UJ
PCB-1262 (Aroclor 1262)	N/A	N/A		0.0347 U	0.138 U	0.00707 U	0.133 U	0.0323 U	0.00717 U	0.0343 U	0.00657 U	0.00659 U	0.711 U	0.149 U	0.0074 U
PCB-1268 (Aroclor 1268)	N/A	N/A		0.0283 U	0.113 U	0.00577 U	0.109 U	0.0263 U	0.00585 U	0.028 U	0.00536 U	0.00538 U	0.58 U	0.122 U	0.00604 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1		**1.32**	**3.31**	**0.391**	**7.65**	**2.1**	**0.0828 J**	**2.84**	**0.439**	**0.264**	**46.9**	**8.79**	**0.196**

Analyte	Unrestricted SCO	Commercial SCO	Location ID:	OS-SS-18	OS-SS-18	OS-SS-19	OS-SS-19	OS-SS-19	OS-SS-19	OS-SS-20	OS-SS-20	OS-SS-21	OS-SS-21	OS-SS-22	OS-SS-22
			Sample ID:	OS-SS-18-Z6-12	OS-SS-18-Z12-24	OS-SS-19-Z6-12	OS-SS-19-Z12-24	OS-SS-19-Z12-24-Q	OS-SS-19-Z24-36	OS-SS-20-Z6-12	OS-SS-20-Z12-24	OS-SS-21-Z6-12	OS-SS-21-Z12-24	OS-SS-22-Z6-12	OS-SS-22-Z12-24
			Depth:	6 - 12 in	12 - 24 in	6 - 12 in	12 - 24 in	12 - 24 in	24 - 36 in	6 - 12 in	12 - 24 in	6 - 12 in	12 - 24 in	6 - 12 in	12 - 24 in
			Date:	07/11/24	07/11/24	07/11/24	07/11/24	07/11/24	07/11/24	12/13/23	12/13/23	12/13/23	12/13/23	12/14/23	12/14/23
PCBs by Method SW8082A (mg/kg)															
PCB-1016 (Aroclor 1016)	N/A	N/A		0.501 U	0.00506 U	0.516 U	0.00519 U	0.00505 U	0.0043 U	0.101 U	0.00504 U	0.005 UJ	0.00456 UJ	0.00489 UJ	0.00492 UJ
PCB-1221 (Aroclor 1221)	N/A	N/A		0.566 U	0.0057 U	0.582 U	0.00586 U	0.00569 U	0.00485 U	0.114 U	0.00568 U	0.00564 U	0.00514 U	0.00552 U	0.00555 U
PCB-1232 (Aroclor 1232)	N/A	N/A		1.2 U	0.0121 U	1.23 U	0.0124 U	0.012 U	0.0102 U	0.242 U	0.012 U	0.0119 U	0.0109 U	0.0117 U	0.0117 U
PCB-1242 (Aroclor 1242)	N/A	N/A		0.761 U	0.00767 U	0.783 U	0.00788 U	0.00766 U	0.00652 U	0.154 U	0.00764 U	0.00759 U	0.00692 U	0.00743 U	0.00746 U
PCB-1248 (Aroclor 1248)	N/A	N/A		**59.7**	**0.255**	**43.6**	**0.345**	**0.406**	**0.0928**	**2.02**	**0.0974**	**0.315**	**0.0342 J**	**1.35**	**0.0431 J**
PCB-1254 (Aroclor 1254)	N/A	N/A		0.618 U	0.00623 U	0.636 U	0.0064 U	0.00622 U	0.00529 U	0.125 U	0.0062 U	0.00616 U	0.00562 U	0.00603 U	0.00606 U
PCB-1260 (Aroclor 1260)	N/A	N/A		1.04 U	0.0105 U	1.07 U	0.0108 U	0.0105 U	0.00894 U	0.211 UJ	0.0105 UJ	0.0104 UJ	0.00948 U	0.0102 U	0.0102 U
PCB-1262 (Aroclor 1262)	N/A	N/A		0.717 U	0.00723 U	0.738 U	0.00742 U	0.00722 U	0.00614 U	0.145 U	0.0072 U	0.00715 U	0.00652 U	0.007 U	0.00703 U
PCB-1268 (Aroclor 1268)	N/A	N/A		0.585 U	0.0059 U	0.602 U	0.00606 U	0.00589 U	0.00501 U	0.118 U	0.00588 U	0.00583 U	0.00532 U	0.00571 U	0.00574 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1		**59.7**	**0.255**	**43.6**	**0.345**	**0.406**	**0.0928**	**2.02**	**0.0974**	**0.315**	**0.0342 J**	**1.35**	**0.0431 J**

Key:
"-Q" denotes field duplicate sample
J = Estimated value
mg/kg = Milligrams per kilogram
N/A = Not regulated/no available criteria
SCO = Soil Cleanup Objectives
U = Not detected (method detection limit shown)
UJ = Not detected/estimated detection limit

Bold values denote positive detections.

Exceeds Unrestricted SCO values.

Exceeds Commercial SCO values.

SCOs from New York State Department of Environmental Conservation, 6 NYCRR Part 375 Environmental Remediation Programs, 2006 , Table 375-6.8(a) and (b).

Table 1 - Summary of Analytical Results for Soil Samples
Loucks Road Extension, East Syracuse, NY

Analyte	Unrestricted SCO	Commercial SCO	Location ID:	OS-SS-24	OS-SS-24	OS-SS-24	OS-SS-25	OS-SS-25	OS-SS-25	OS-SS-25	OS-SS-25	OS-SS-26	OS-SS-26	SB01	SB01
			Sample ID:	OS-SS-24-Z6-12	OS-SS-24-Z12-24	OS-SS-24-Z24-36	OS-SS-25-Z12-24	OS-SS-25-Z24-36	OS-SS-25-Z24-36-Q	OS-SS-25-Z36-42	OS-SS-25-Z42-48	OS-SS-26-Z6-12	OS-SS-26-Z12-24	SB01-Z0-2	SB01-Z6-12
			Depth:	6 - 12 in	12 - 24 in	24 - 36 in	12 - 24 in	24 - 36 in	24 - 36 in	36 - 42 in	42 - 48 in	6 - 12 in	12 - 24 in	0 - 2 in	6 - 12 in
			Date:	07/11/24	07/11/24	07/11/24	12/14/23	12/14/23	12/14/23	12/14/23	12/14/23	12/14/23	12/14/23	08/02/23	08/02/23
PCBs by Method SW8082A (mg/kg)															
PCB-1016 (Aroclor 1016)	N/A	N/A		0.0247 U	0.0961 U	0.0262 U	0.101 U	0.0935 U	0.0936 U	0.00461 U	0.00463 U	0.0937 U	0.00514 U	0.00573 U	0.00502 U
PCB-1221 (Aroclor 1221)	N/A	N/A		0.0278 U	0.108 U	0.0296 U	0.114 U	0.106 U	0.106 U	0.00521 U	0.00522 U	0.106 U	0.0058 U	0.00647 U	0.00566 U
PCB-1232 (Aroclor 1232)	N/A	N/A		0.0589 U	0.229 U	0.0625 U	0.241 UJ	0.223 UJ	0.223 UJ	0.011 U	0.011 U	0.224 UJ	0.0123 UJ	0.0137 U	0.012 U
PCB-1242 (Aroclor 1242)	N/A	N/A		0.0374 U	0.146 U	0.0398 U	0.153 U	0.142 U	0.142 U	0.007 U	0.00703 U	0.142 U	0.00781 U	0.0087 U	0.00762 U
PCB-1248 (Aroclor 1248)	N/A	N/A		**1.3**	**6.73**	**3.31**	**3.63**	**4.88**	**6.77**	**0.168**	**0.0253 J**	**2.41**	**0.306**	**0.0298 J**	**0.0762**
PCB-1254 (Aroclor 1254)	N/A	N/A		0.0304 U	0.118 U	0.0323 U	0.124 U	0.115 U	0.115 U	0.00568 U	0.0057 U	0.115 U	0.00634 U	0.00706 U	0.00618 U
PCB-1260 (Aroclor 1260)	N/A	N/A		0.0513 U	0.2 U	0.0545 U	0.21 U	0.195 U	0.195 U	0.0096 UJ	0.00964 UJ	0.195 U	0.0107 U	0.0119 U	**0.0123 J**
PCB-1262 (Aroclor 1262)	N/A	N/A		0.0353 U	0.137 U	0.0375 U	0.144 U	0.134 U	0.134 U	0.0066 U	0.00662 U	0.134 U	0.00736 U	0.0082 U	0.00718 U
PCB-1268 (Aroclor 1268)	N/A	N/A		0.0288 U	0.112 U	0.0306 U	0.118 U	0.109 U	0.109 U	0.00538 U	0.0054 U	0.109 U	0.006 U	0.00669 U	0.00586 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1		**1.3**	**6.73**	**3.31**	**3.63**	**4.88**	**6.77**	**0.168**	**0.0253 J**	**2.41**	**0.306**	**0.0298 J**	**0.0885 J**

Analyte	Unrestricted SCO	Commercial SCO	Location ID:	SB01	SB02	SB02	SB02	SB03	SB03	SB03	SB04	SB04	SB04	SB04	SB05
			Sample ID:	SB01-Z12-24	SB02-Z0-2	SB02-Z6-12	SB02-Z12-24	SB03-Z0-2	SB03-Z6-12	SB03-Z12-24	SB04-Z0-2	SB04-Z6-12	SB04-Z12-24	SB04-Z12-24-Q	SB05-Z0-2
			Depth:	12 - 24 in	0 - 2 in	6 - 12 in	12 - 24 in	0 - 2 in	6 - 12 in	12 - 24 in	0 - 2 in	6 - 12 in	12 - 24 in	12 - 24 in	0 - 2 in
			Date:	08/09/23	08/02/23	08/02/23	08/09/23	08/02/23	08/02/23	08/09/23	08/02/23	08/02/23	08/09/23	08/09/23	08/02/23
PCBs by Method SW8082A (mg/kg)															
PCB-1016 (Aroclor 1016)	N/A	N/A		0.00495 UJ	0.00539 U	0.00479 U	0.0049 UJ	0.00486 U	0.00481 U	0.00509 UJ	0.00541 U	0.0053 U	0.0049 UJ	0.0049 UJ	0.11 U
PCB-1221 (Aroclor 1221)	N/A	N/A		0.00559 U	0.00608 U	0.0054 U	0.00553 U	0.00548 U	0.00543 U	0.00575 U	0.0061 U	0.00598 U	0.00553 U	0.00552 U	0.125 U
PCB-1232 (Aroclor 1232)	N/A	N/A		0.0118 U	0.0129 U	0.0114 U	0.0117 U	0.0116 U	0.0115 U	0.0122 U	0.0129 U	0.0126 U	0.0117 U	0.0117 U	0.264 U
PCB-1242 (Aroclor 1242)	N/A	N/A		0.00752 U	0.00818 U	0.00727 U	0.00744 U	0.00738 U	0.0073 U	0.00773 U	0.00821 U	0.00804 U	0.00743 U	0.00743 U	0.168 U
PCB-1248 (Aroclor 1248)	N/A	N/A		**0.0481 J**	**0.262**	**0.0527 J**	**0.0158 J**	**0.014 J**	**0.0146 J**	**0.155**	**0.20**	**0.194**	**0.332**	**0.453**	**3.5**
PCB-1254 (Aroclor 1254)	N/A	N/A		0.0061 U	0.00664 U	0.0059 U	0.00604 U	**0.0369 J**	0.00592 U	0.00627 U	0.00666 U	0.00653 U	0.00603 U	0.00603 U	0.136 U
PCB-1260 (Aroclor 1260)	N/A	N/A		0.0103 UJ	0.0112 U	0.00997 UJ	0.0102 UJ	**0.0164 J**	**0.012 J**	0.0106 UJ	0.0112 U	0.011 U	0.0102 UJ	0.0102 UJ	0.23 U
PCB-1262 (Aroclor 1262)	N/A	N/A		0.00708 U	0.0077 U	0.00685 U	0.00701 U	0.00695 U	0.00688 U	0.00728 U	0.00774 U	0.00758 U	0.007 U	0.007 U	0.158 U
PCB-1268 (Aroclor 1268)	N/A	N/A		0.00578 U	0.00628 U	0.00559 U	0.00572 U	0.00567 U	0.00561 U	0.00594 U	0.00631 U	0.00618 U	0.00571 U	0.00571 U	0.129 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1		**0.0481 J**	**0.262**	**0.0527 J**	**0.0158 J**	**0.0673 J**	**0.0266 J**	**0.155**	**0.20**	**0.194**	**0.332**	**0.453**	**3.5**

Key:

"-Q" denotes field duplicate sample

J = Estimated value

mg/kg = Milligrams per kilogram

N/A = Not regulated/no available criteria

SCO = Soil Cleanup Objectives

U = Not detected (method detection limit shown)

UJ = Not detected/estimated detection limit

Bold values denote positive detections.

Exceeds Unrestricted SCO values.

Exceeds Commercial SCO values.

SCOs from New York State Department of Environmental Conservation, 6 NYCRR Part 375 Environmental Remediation Programs, 2006 , Table 375-6.8(a) and (b).

Table 1 - Summary of Analytical Results for Soil Samples
Loucks Road Extension, East Syracuse, NY

Analyte	Unrestricted SCO	Commercial SCO	Location ID: / Sample ID: / Depth: / Date:	SB05 / SB05-Z0-2-Q / 0 - 2 in / 08/02/23	SB05 / SB05-Z6-12 / 6 - 12 in / 08/02/23	SB05 / SB05-Z12-24 / 12 - 24 in / 08/09/23	SB06 / SB06-Z0-2 / 0 - 2 in / 08/02/23	SB06 / SB06-Z6-12 / 6 - 12 in / 08/02/23	SB06 / SB06-Z12-24 / 12 - 24 in / 08/09/23	SB06 / SB06-Z24-36 / 24 - 36 in / 08/09/23	SB06 / SB06-Z36-42 / 36 - 42 in / 12/14/23	SB06 / SB 06-Z40-47 / 40 - 47 in / 09/29/23	SB06 / SB06-Z48-54 / 48 - 54 in / 12/14/23	SB07 / SB07-Z0-2 / 0 - 2 in / 08/02/23	SB07 / SB07-Z6-12 / 6 - 12 in / 08/02/23
PCBs by Method SW8082A (mg/kg)															
PCB-1016 (Aroclor 1016)	N/A	N/A		0.118 U	0.0253 U	0.00528 UJ	0.118 U	0.0262 U	0.0996 UJ	0.469 U	0.0046 U	0.0224 U	0.00445 U	0.027 U	0.0269 U
PCB-1221 (Aroclor 1221)	N/A	N/A		0.133 U	0.0286 U	0.00595 U	0.133 U	0.0296 U	0.112 U	0.529 U	0.00519 U	0.0252 U	0.00502 U	0.0305 U	0.0304 U
PCB-1232 (Aroclor 1232)	N/A	N/A		0.282 U	0.0605 U	0.0126 U	0.282 U	0.0626 U	0.238 U	1.12 U	0.011 UJ	0.0534 U	0.0106 UJ	0.0646 U	0.0643 U
PCB-1242 (Aroclor 1242)	N/A	N/A		0.179 U	0.0385 U	0.00801 U	0.179 U	0.0398 U	0.151 U	0.711 U	0.00699 U	0.0339 U	0.00675 U	0.041 U	0.0409 U
PCB-1248 (Aroclor 1248)	N/A	N/A		**3.14**	**1.05**	**0.46**	**3.88**	**2.32**	**3.74**	**32.9**	**0.649**	**1.46**	**0.0295 J**	**0.999**	**2.24**
PCB-1254 (Aroclor 1254)	N/A	N/A		0.146 U	0.0312 U	0.0065 U	0.146 U	0.0323 U	0.123 U	0.577 U	0.00567 U	0.0275 U	0.00548 U	0.0333 U	0.0332 U
PCB-1260 (Aroclor 1260)	N/A	N/A		0.246 U	0.0528 U	0.011 UJ	0.246 U	0.0545 UJ	0.207 UJ	**1.34 J**	0.00958 U	0.0465 U	0.00926 U	0.0563 U	0.056 U
PCB-1262 (Aroclor 1262)	N/A	N/A		0.169 U	0.0362 U	0.00755 U	0.169 U	0.0375 U	0.142 U	0.67 U	0.00658 U	0.032 U	0.00636 U	0.0387 U	0.0385 U
PCB-1268 (Aroclor 1268)	N/A	N/A		0.138 U	0.0296 U	0.00616 U	0.138 U	0.0306 U	0.116 U	0.547 U	0.00537 U	0.0261 U	0.00519 U	0.0316 U	0.0314 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1		**3.14**	**1.05**	**0.46**	**3.88**	**2.32**	**3.74**	**34.2 J**	**0.649**	**1.46**	**0.0295 J**	**0.999**	**2.24**

Analyte	Unrestricted SCO	Commercial SCO	Location ID: / Sample ID: / Depth: / Date:	SB07 / SB07-Z12-24 / 12 - 24 in / 08/09/23	SB07 / SB07-Z24-36 / 24 - 36 in / 08/09/23	SB08 / SB08-Z0-2 / 0 - 2 in / 08/02/23	SB08 / SB08-Z6-12 / 6 - 12 in / 08/02/23	SB08 / SB08-Z12-24 / 12 - 24 in / 08/09/23	SB08 / SB08-Z24-36 / 24 - 36 in / 08/09/23	SB08 / SB08-Z36-42 / 36 - 42 in / 12/14/23	SB08 / SB08-Z42-48 / 42 - 48 in / 12/14/23	SB08 / SB 08-Z48-52 / 48 - 52 in / 09/29/23	SB09 / SB09-Z0-2 / 0 - 2 in / 08/02/23	SB09 / SB09-Z6-12 / 6 - 12 in / 08/02/23	SB09 / SB09-Z12-24 / 12 - 24 in / 08/09/23
PCBs by Method SW8082A (mg/kg)															
PCB-1016 (Aroclor 1016)	N/A	N/A		0.0972 UJ	0.00463 U	2.36 U	0.489 U	0.0989 UJ	0.0242 U	0.471 U	0.484 U	0.00477 U	2.67 U	2.25 U	0.495 U
PCB-1221 (Aroclor 1221)	N/A	N/A		0.11 U	0.00523 U	2.67 U	0.552 U	0.112 U	0.0274 U	0.531 U	0.546 U	0.00538 U	3.02 U	2.54 U	0.559 U
PCB-1232 (Aroclor 1232)	N/A	N/A		0.232 U	0.0111 U	5.65 U	1.17 U	0.236 U	0.0579 U	1.12 U	1.15 U	0.0114 U	6.38 U	5.37 U	1.18 U
PCB-1242 (Aroclor 1242)	N/A	N/A		0.148 U	0.00703 U	3.59 U	0.742 U	0.15 U	0.0368 U	0.714 U	0.734 U	0.00724 U	4.06 U	3.41 U	0.752 U
PCB-1248 (Aroclor 1248)	N/A	N/A		**2.86**	**0.75**	**85.2**	**15.4**	**9.76**	**4.38**	**8.8**	**16.8**	**0.521**	**164**	**68.1**	**19.7**
PCB-1254 (Aroclor 1254)	N/A	N/A		0.12 U	0.00571 U	2.91 U	0.602 U	0.122 U	0.0299 U	0.58 U	0.596 U	0.00588 U	3.29 U	2.77 U	0.61 U
PCB-1260 (Aroclor 1260)	N/A	N/A		0.202 UJ	0.00964 U	4.92 U	1.02 U	0.206 UJ	**0.219 J**	0.98 U	1.01 U	0.00993 U	5.56 U	4.68 UJ	1.03 U
PCB-1262 (Aroclor 1262)	N/A	N/A		0.139 U	0.00663 U	3.38 U	0.699 U	0.142 U	0.0347 U	0.673 U	0.692 U	0.00682 U	3.82 U	3.22 U	0.708 U
PCB-1268 (Aroclor 1268)	N/A	N/A		0.113 U	0.0054 U	2.76 U	0.57 U	0.115 U	0.0283 U	0.549 U	0.564 U	0.00557 U	3.12 U	2.62 U	0.578 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1		**2.86**	**0.75**	**85.2**	**15.4**	**9.76**	**4.6 J**	**8.8**	**16.8**	**0.521**	**164**	**68.1**	**19.7**

Key:
"-Q" denotes field duplicate sample
J = Estimated value
mg/kg = Milligrams per kilogram
N/A = Not regulated/no available criteria
SCO = Soil Cleanup Objectives
U = Not detected (method detection limit shown)
UJ = Not detected/estimated detection limit

Bold values denote positive detections.

Exceeds Unrestricted SCO values.

Exceeds Commercial SCO values.

SCOs from New York State Department of Environmental Conservation, 6 NYCRR Part 375 Environmental Remediation Programs, 2006 , Table 375-6.8(a) and (b).

Table 1 - Summary of Analytical Results for Soil Samples
Loucks Road Extension, East Syracuse, NY

Analyte	Unrestricted SCO	Commercial SCO	Location ID:	SB09	SB09	SB09	SB09	SB10	SB10	SB10	SB10	SB10	SB10	SB10	SB11
			Sample ID:	SB09-Z24-36	SB 09-Z43-48	SB09-Z48-54	SB09-Z54-60	SB10-Z0-2	SB10-Z6-12	SB10-Z12-24	SB10-Z24-36	SB 10-Z42-48	SB10-Z48-54	SB10-Z54-60	SB11-Z0-2
			Depth:	24 - 36 in	43 - 48 in	48 - 54 in	54 - 60 in	0 - 2 in	6 - 12 in	12 - 24 in	24 - 36 in	42 - 48 in	48 - 54 in	54 - 60 in	0 - 2 in
			Date:	08/09/23	09/29/23	12/14/23	12/14/23	08/02/23	08/02/23	08/09/23	08/09/23	09/29/23	12/14/23	12/14/23	08/02/23
PCBs by Method SW8082A (mg/kg)															
PCB-1016 (Aroclor 1016)	N/A	N/A		0.093 U	0.0944 U	0.494 U	0.00452 U	2.5 U	0.471 U	0.493 U	0.0967 U	0.0251 U	0.102 U	0.00467 U	2.51 U
PCB-1221 (Aroclor 1221)	N/A	N/A		0.105 U	0.106 U	0.557 U	0.0051 U	2.82 U	0.532 U	0.556 U	0.109 U	0.0283 U	0.116 U	0.00527 U	2.83 U
PCB-1232 (Aroclor 1232)	N/A	N/A		0.222 U	0.225 U	1.18 U	0.0108 U	5.96 U	1.12 U	1.18 U	0.231 U	0.0598 U	0.245 UJ	0.0112 U	6 U
PCB-1242 (Aroclor 1242)	N/A	N/A		0.141 U	0.143 U	0.75 U	0.00686 U	3.79 U	0.715 U	0.748 U	0.147 U	0.038 U	0.156 U	0.00709 U	3.81 U
PCB-1248 (Aroclor 1248)	N/A	N/A		**15**	**13.3**	**17.9**	**0.764**	**152**	**30.4**	**28**	**13.1**	**3.16**	**7.09**	**0.54**	**85**
PCB-1254 (Aroclor 1254)	N/A	N/A		0.115 U	0.116 U	0.608 U	0.00556 U	3.08 U	0.58 U	0.607 U	0.119 U	0.0309 U	0.126 U	0.00576 U	3.09 U
PCB-1260 (Aroclor 1260)	N/A	N/A		**0.693 J**	0.196 U	1.03 U	0.0094 U	5.2 U	0.981 UJ	**1.33 J**	**0.613 J**	0.0522 U	0.213 U	0.00972 U	**6.74 J**
PCB-1262 (Aroclor 1262)	N/A	N/A		0.133 U	0.135 U	0.706 U	0.00646 U	3.57 U	0.674 U	0.705 U	0.138 U	0.0358 U	0.147 U	0.00668 U	3.59 U
PCB-1268 (Aroclor 1268)	N/A	N/A		0.108 U	0.11 U	0.576 U	0.00527 U	2.91 U	0.55 U	0.575 U	0.113 U	0.0292 U	0.12 U	0.00545 U	2.93 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1		**15.7 J**	**13.3**	**17.9**	**0.764**	**152**	**30.4**	**29.3 J**	**13.7 J**	**3.16**	**7.09**	**0.54**	**91.7 J**

Analyte	Unrestricted SCO	Commercial SCO	Location ID:	SB11	SB11	SB11	SB11	SB11	SB11	SB12	SB12	SB12	SB12	SB12	SB12
			Sample ID:	SB11-Z6-12	SB11-Z12-24	SB11-Z24-36	SB 11-Z47-51	SB11-Z48-54	SB11-Z54-60	SB12-Z0-2	SB12-Z6-12	SB12-Z12-24	SB12-Z24-36	SB 12-Z42-48	SB12-Z48-54
			Depth:	6 - 12 in	12 - 24 in	24 - 36 in	47 - 51 in	48 - 54 in	54 - 60 in	0 - 2 in	6 - 12 in	12 - 24 in	24 - 36 in	42 - 48 in	48 - 54 in
			Date:	08/02/23	08/09/23	08/09/23	09/29/23	12/14/23	12/14/23	08/02/23	08/02/23	08/09/23	08/09/23	09/29/23	12/14/23
PCBs by Method SW8082A (mg/kg)															
PCB-1016 (Aroclor 1016)	N/A	N/A		2.4 U	0.503 U	0.0987 U	0.026 U	0.00446 U	0.00456 U	0.0253 U	0.582 U	0.484 U	0.099 U	0.504 U	0.00517 U
PCB-1221 (Aroclor 1221)	N/A	N/A		2.71 U	0.567 U	0.111 U	0.0293 U	0.00503 U	0.00515 U	0.0286 U	0.657 U	0.547 U	0.112 U	0.569 U	0.00584 U
PCB-1232 (Aroclor 1232)	N/A	N/A		5.74 U	1.2 U	0.236 U	0.062 U	0.0106 U	0.0109 U	0.0605 U	1.39 U	1.16 U	0.236 U	1.2 U	0.0123 U
PCB-1242 (Aroclor 1242)	N/A	N/A		3.65 U	0.763 U	0.15 U	0.0394 U	0.00677 U	0.00693 U	0.0385 U	0.884 U	0.736 U	0.15 U	0.766 U	0.00785 U
PCB-1248 (Aroclor 1248)	N/A	N/A		**72.7**	**24.7**	**18**	**4.16**	**0.0159 J**	0.00771 U	**1.3**	**24.8**	**12.6**	**26.7**	**9.62**	**0.0384 J**
PCB-1254 (Aroclor 1254)	N/A	N/A		2.96 U	0.619 U	0.122 U	0.032 U	0.00549 U	0.00562 U	0.0312 U	0.717 U	0.597 U	0.122 U	0.622 U	0.00637 U
PCB-1260 (Aroclor 1260)	N/A	N/A		5 UJ	**1.25 J**	**0.914 J**	0.054 U	0.00928 U	0.0095 U	0.0527 UJ	1.21 UJ	1.01 U	**1.01 J**	1.05 U	0.0108 UJ
PCB-1262 (Aroclor 1262)	N/A	N/A		3.44 U	0.719 U	0.141 U	0.0371 U	0.00638 U	0.00653 U	0.0362 U	0.833 U	0.693 U	0.142 U	0.722 U	0.0074 U
PCB-1268 (Aroclor 1268)	N/A	N/A		2.8 U	0.587 U	0.115 U	0.0303 U	0.0052 U	0.00532 U	0.0296 U	0.679 U	0.565 U	0.115 U	0.589 U	0.00603 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1		**72.7**	**26 J**	**18.9 J**	**4.16**	**0.0159 J**	0.00456 U	**1.3**	**24.8**	**12.6**	**27.7 J**	**9.62**	**0.0384 J**

Key:
"-Q" denotes field duplicate sample
J = Estimated value
mg/kg = Milligrams per kilogram
N/A = Not regulated/no available criteria
SCO = Soil Cleanup Objectives
U = Not detected (method detection limit shown)
UJ = Not detected/estimated detection limit
Bold values denote positive detections.
Exceeds Unrestricted SCO values.
Exceeds Commercial SCO values.

SCOs from New York State Department of Environmental Conservation, 6 NYCRR Part 375 Environmental Remediation Programs, 2006 , Table 375-6.8(a) and (b).

Table 1 - Summary of Analytical Results for Soil Samples
Loucks Road Extension, East Syracuse, NY

Analyte	Unrestricted SCO	Commercial SCO	Location ID: / Sample ID: / Depth: / Date:											
			SB12 SB12-Z54-60 54 - 60 in 12/14/23	SB13 SB13-Z0-2 0 - 2 in 08/02/23	SB13 SB13-Z6-12 6 - 12 in 08/02/23	SB13 SB13-Z12-24 12 - 24 in 08/09/23	SB13 SB13-Z24-36 24 - 36 in 08/09/23	SB13 SB13-Z42-48 42 - 48 in 12/14/23	SB13 SB13-Z48-54 48 - 54 in 12/14/23	SB13 SB13-Z54-60 54 - 60 in 12/14/23	SB14 SB14-Z0-2 0 - 2 in 08/02/23	SB14 SB14-Z6-12 6 - 12 in 08/02/23	SB14 SB14-Z12-24 12 - 24 in 08/09/23	SB14 SB14-Z24-36 24 - 36 in 08/09/23
PCBs by Method SW8082A (mg/kg)														
PCB-1016 (Aroclor 1016)	N/A	N/A	0.00492 U	0.49 U	0.474 U	0.509 U	0.119 U	0.476 U	0.00458 U	0.00454 U	0.528 U	0.48 U	0.0933 UJ	0.0251 U
PCB-1221 (Aroclor 1221)	N/A	N/A	0.00555 U	0.553 U	0.534 U	0.575 U	0.135 U	0.537 U	0.00517 U	0.00512 U	0.595 U	0.542 U	0.105 U	0.0283 U
PCB-1232 (Aroclor 1232)	N/A	N/A	0.0117 U	1.17 U	1.13 U	1.22 U	0.285 U	1.14 UJ	0.0109 UJ	0.0108 UJ	1.26 U	1.15 U	0.223 U	0.0598 U
PCB-1242 (Aroclor 1242)	N/A	N/A	0.00746 U	0.744 U	0.719 U	0.773 U	0.181 U	0.722 U	0.00696 U	0.00688 U	0.801 U	0.73 U	0.142 U	0.038 U
PCB-1248 (Aroclor 1248)	N/A	N/A	**0.015 J**	**10.4**	**19.2**	**40.6**	**25.8**	**6.34**	**0.836**	**0.913**	**14**	**24.2**	**5.45**	**2.71**
PCB-1254 (Aroclor 1254)	N/A	N/A	0.00606 U	0.604 U	0.584 U	0.627 U	0.147 U	0.586 U	0.00564 U	0.00559 U	0.65 U	0.592 U	0.115 U	0.0309 U
PCB-1260 (Aroclor 1260)	N/A	N/A	0.0102 UJ	1.02 UJ	0.986 U	**1.76 J**	0.248 U	0.99 U	0.00954 U	0.00944 U	1.1 UJ	1 UJ	0.194 UJ	**0.144 J**
PCB-1262 (Aroclor 1262)	N/A	N/A	0.00703 U	0.701 U	0.678 U	0.728 U	0.171 U	0.681 U	0.00655 U	0.00649 U	0.754 U	0.687 U	0.133 U	0.0358 U
PCB-1268 (Aroclor 1268)	N/A	N/A	0.00574 U	0.572 U	0.553 U	0.594 U	0.139 U	0.555 U	0.00535 U	0.00529 U	0.615 U	0.561 U	0.109 U	0.0292 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1	**0.015 J**	**10.4**	**19.2**	**42.4 J**	**25.8**	**6.34**	**0.836**	**0.913**	**14**	**24.2**	**5.45**	**2.85 J**

Analyte	Unrestricted SCO	Commercial SCO	Location ID: / Sample ID: / Depth: / Date:											
			SB14 SB 14-Z38-42 38 - 42 in 09/29/23	SB14 SB 14-Z42-48 42 - 48 in 09/29/23	SB14 SB14-Z48-54 48 - 54 in 12/14/23	SB14 SB14-Z54-60 54 - 60 in 12/14/23	SB15A SB15-Z0-2 0 - 2 in 08/09/23	SB15A SB15-Z0-2-Q 0 - 2 in 08/09/23	SB15A SB15-Z6-12 6 - 12 in 08/09/23	SB15A SB15-Z12-24 12 - 24 in 08/09/23	SB15A SB15-Z24-36 24 - 36 in 08/09/23	SB15A SB 15-Z39-42 39 - 42 in 09/29/23	SB15A SB 15-Z42-48 42 - 48 in 09/29/23	SB15B SB15-Z0-2 0 - 12 in 12/14/23
PCBs by Method SW8082A (mg/kg)														
PCB-1016 (Aroclor 1016)	N/A	N/A	0.0255 U	0.0261 U	0.00452 U	0.00468 U	0.509 U	0.499 U	0.469 U	2.41 U	0.0977 U	0.504 U	0.492 U	0.5 U
PCB-1221 (Aroclor 1221)	N/A	N/A	0.0287 U	0.0295 U	0.0051 U	0.00528 U	0.574 U	0.563 U	0.529 U	2.72 U	0.11 U	0.568 U	0.555 U	0.564 U
PCB-1232 (Aroclor 1232)	N/A	N/A	0.0608 U	0.0624 U	0.0108 U	0.0112 U	1.21 U	1.19 U	1.12 U	5.76 U	0.233 U	1.2 U	1.17 U	1.19 UJ
PCB-1242 (Aroclor 1242)	N/A	N/A	0.0386 U	0.0396 U	0.00686 U	0.00711 U	0.772 U	0.758 U	0.712 U	3.66 U	0.148 U	0.765 U	0.746 U	0.758 U
PCB-1248 (Aroclor 1248)	N/A	N/A	**2.75**	**2.07**	**0.027 J**	0.00791 U	**12.2**	**12.7**	**24.1**	**97.5**	**9.54**	**50.8**	**49.4**	**28.5**
PCB-1254 (Aroclor 1254)	N/A	N/A	0.0314 U	0.0322 U	0.00557 U	0.00577 U	0.627 U	0.615 U	0.578 U	2.97 U	0.12 U	0.621 U	0.606 U	0.615 U
PCB-1260 (Aroclor 1260)	N/A	N/A	0.053 U	0.0544 U	0.0094 UJ	0.00974 UJ	**1.18 J**	**1.23 J**	0.976 U	5.02 UJ	**0.531 J**	1.05 U	1.02 U	1.04 U
PCB-1262 (Aroclor 1262)	N/A	N/A	0.0364 U	0.0374 U	0.00646 U	0.0067 U	0.727 U	0.714 U	0.67 U	3.45 U	0.14 U	0.72 U	0.703 U	0.714 U
PCB-1268 (Aroclor 1268)	N/A	N/A	0.0297 U	0.0305 U	0.00527 U	0.00546 U	0.593 U	0.582 U	0.547 U	2.82 U	0.114 U	0.588 U	0.574 U	0.583 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1	**2.75**	**2.07**	**0.027 J**	0.00468 U	**13.4 J**	**13.9 J**	**24.1**	**97.5**	**10.1 J**	**50.8**	**49.4**	**28.5**

Key:
"-Q" denotes field duplicate sample
J = Estimated value
mg/kg = Milligrams per kilogram
N/A = Not regulated/no available criteria
SCO = Soil Cleanup Objectives
U = Not detected (method detection limit shown)
UJ = Not detected/estimated detection limit
Bold values denote positive detections.
Exceeds Unrestricted SCO values.
Exceeds Commercial SCO values.

SCOs from New York State Department of Environmental Conservation, 6 NYCRR Part 375 Environmental Remediation Programs, 2006 , Table 375-6.8(a) and (b).

Table 1 - Summary of Analytical Results for Soil Samples
Loucks Road Extension, East Syracuse, NY

Analyte	Unrestricted SCO	Commercial SCO	Location ID: SB15B Sample ID: SB15-Z12-24 Depth: 12 - 24 in Date: 12/14/23	SB15B SB15-Z24-36 24 - 36 in 12/14/23	SB15B SB15-Z36-48 36 - 48 in 12/14/23	SB15B SB15-Z48-54 48 - 54 in 12/14/23	SB15B SB15-Z54-60 54 - 60 in 12/14/23	SB15B SB15-Z60-66 60 - 66 in 12/14/23	SB15B SB15-Z66-72 66 - 72 in 12/14/23	SB16 SB16-Z0-2 0 - 2 in 08/02/23	SB16 SB16-Z6-12 6 - 12 in 08/02/23	SB16 SB16-Z12-24 12 - 24 in 08/09/23	SB17 SB17-Z0-2 0 - 2 in 08/02/23	SB17 SB17-Z6-12 6 - 12 in 08/02/23
PCBs by Method SW8082A (mg/kg)														
PCB-1016 (Aroclor 1016)	N/A	N/A	2.52 U	0.511 U	2.45 U	0.499 U	0.104 U	0.00499 U	0.00459 U	0.1 U	0.501 U	0.00481 UJ	0.105 U	0.0248 U
PCB-1221 (Aroclor 1221)	N/A	N/A	2.85 U	0.576 U	2.76 U	0.563 U	0.118 U	0.00563 U	0.00518 U	0.113 U	0.566 U	0.00542 U	0.118 U	0.0279 U
PCB-1232 (Aroclor 1232)	N/A	N/A	6.03 UJ	1.22 UJ	5.84 UJ	1.19 UJ	0.25 UJ	0.0119 U	0.011 U	0.24 U	1.2 U	0.0115 U	0.25 U	0.0591 U
PCB-1242 (Aroclor 1242)	N/A	N/A	3.83 U	0.775 U	3.71 U	0.758 U	0.159 U	0.00757 U	0.00697 U	0.152 U	0.761 U	0.0073 U	0.159 U	0.0376 U
PCB-1248 (Aroclor 1248)	N/A	N/A	**156**	**62.7**	**57.7**	**13.8**	**10.1**	**0.444**	**0.219**	**5.91**	**29**	**0.357**	**5.27**	**1.4**
PCB-1254 (Aroclor 1254)	N/A	N/A	3.11 U	0.629 U	3.01 U	0.615 U	0.129 U	0.00614 U	0.00566 U	0.124 U	0.618 U	0.00592 U	0.129 U	0.0305 U
PCB-1260 (Aroclor 1260)	N/A	N/A	5.25 U	1.06 U	5.09 U	1.04 U	0.217 U	0.0104 UJ	0.00956 UJ	0.209 UJ	1.04 UJ	0.01 UJ	0.218 UJ	0.0515 UJ
PCB-1262 (Aroclor 1262)	N/A	N/A	3.61 U	0.73 U	3.5 U	0.714 U	0.149 U	0.00713 U	0.00657 U	0.144 U	0.717 U	0.00688 U	0.15 U	0.0354 U
PCB-1268 (Aroclor 1268)	N/A	N/A	2.94 U	0.596 U	2.85 U	0.582 U	0.122 U	0.00582 U	0.00536 U	0.117 U	0.585 U	0.00561 U	0.122 U	0.0289 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1	**156**	**62.7**	**57.7**	**13.8**	**10.1**	**0.444**	**0.219**	**5.91**	**29**	**0.357**	**5.27**	**1.4**

Analyte	Unrestricted SCO	Commercial SCO	Location ID: SB17 Sample ID: SB17-Z12-24 Depth: 12 - 24 in Date: 08/09/23	SB17 SB17-Z24-36 24 - 36 in 08/09/23	SB17 SB 17-Z42-48 42 - 48 in 09/29/23	SB17 SB17-Z48-54 48 - 54 in 12/14/23	SB17 SB17-Z54-60 54 - 60 in 12/14/23	SB17 SB17-Z60-66 60 - 66 in 12/14/23	SB18 SB18-Z0-2 0 - 2 in 08/01/23	SB18 SB18-Z0-2-Q 0 - 2 in 08/01/23	SB18 SB18-Z6-12 6 - 12 in 08/01/23	SB18 SB18-Z12-24 12 - 24 in 08/09/23	SB19 SB19-Z0-2 0 - 2 in 08/01/23	SB19 SB19-Z6-12 6 - 12 in 08/01/23
PCBs by Method SW8082A (mg/kg)														
PCB-1016 (Aroclor 1016)	N/A	N/A	2.48 U	0.0968 U	0.0947 U	0.532 UJ	0.00516 U	0.00507 U	0.515 UJ	0.492 UJ	0.511 UJ	0.00472 UJ	0.00489 U	0.00488 U
PCB-1221 (Aroclor 1221)	N/A	N/A	2.8 U	0.109 U	0.107 U	0.6 U	0.00582 U	0.00572 U	0.581 U	0.555 U	0.577 U	0.00532 U	0.00551 U	0.00551 U
PCB-1232 (Aroclor 1232)	N/A	N/A	5.92 U	0.231 U	0.226 U	1.27 U	0.0123 U	0.0121 U	1.23 U	1.17 U	1.22 U	0.0113 U	0.0117 U	0.0116 U
PCB-1242 (Aroclor 1242)	N/A	N/A	3.76 U	0.147 U	0.144 U	0.807 U	0.00783 U	0.00769 U	0.782 U	0.747 U	0.776 U	0.00716 U	0.00742 U	0.00741 U
PCB-1248 (Aroclor 1248)	N/A	N/A	**54.7**	**8.55**	**12.5**	**14.3**	**1.37**	**0.605**	**25.4**	**20.4**	**20**	**0.20**	0.00825 U	0.00824 U
PCB-1254 (Aroclor 1254)	N/A	N/A	3.06 U	0.119 U	0.117 U	0.655 U	0.00635 U	0.00624 U	0.634 U	0.606 U	0.63 U	0.00581 U	**0.0179 J**	0.00601 U
PCB-1260 (Aroclor 1260)	N/A	N/A	5.16 UJ	**0.411 J**	0.197 U	1.11 U	0.0107 UJ	**0.019 J**	1.07 U	1.02 U	1.06 U	0.00982 UJ	0.0102 U	0.0102 U
PCB-1262 (Aroclor 1262)	N/A	N/A	3.55 U	0.138 U	0.135 U	0.76 U	0.00737 U	0.00725 U	0.736 U	0.704 U	0.731 U	0.00675 U	0.00699 U	0.00698 U
PCB-1268 (Aroclor 1268)	N/A	N/A	2.89 U	0.113 U	0.11 U	0.62 U	0.00601 U	0.00591 U	0.601 U	0.574 U	0.596 U	0.0055 U	0.0057 U	0.00569 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1	**54.7**	**8.96 J**	**12.5**	**14.3**	**1.37**	**0.624 J**	**25.4**	**20.4**	**20**	**0.20**	**0.0179 J**	0.00488 U

Key:
"-Q" denotes field duplicate sample
J = Estimated value
mg/kg = Milligrams per kilogram
N/A = Not regulated/no available criteria
SCO = Soil Cleanup Objectives
U = Not detected (method detection limit shown)
UJ = Not detected/estimated detection limit
Bold values denote positive detections.
Exceeds Unrestricted SCO values.
Exceeds Commercial SCO values.

SCOs from New York State Department of Environmental Conservation, 6 NYCRR Part 375 Environmental Remediation Programs, 2006 , Table 375-6.8(a) and (b).

Table 1 - Summary of Analytical Results for Soil Samples
Loucks Road Extension, East Syracuse, NY

Analyte	Unrestricted SCO	Commercial SCO	Location ID: SB19 Sample ID: SB19-Z12-24 Depth: 12 - 24 in Date: 08/09/23	Location ID: SB20 Sample ID: SB20-Z0-2 Depth: 0 - 2 in Date: 08/01/23	Location ID: SB20 Sample ID: SB20-Z6-12 Depth: 6 - 12 in Date: 08/01/23	Location ID: SB20 Sample ID: SB20-Z12-24 Depth: 12 - 24 in Date: 08/09/23	Location ID: SB21 Sample ID: SB21-Z0-2 Depth: 0 - 2 in Date: 08/01/23	Location ID: SB21 Sample ID: SB21-Z6-12 Depth: 6 - 12 in Date: 08/01/23	Location ID: SB21 Sample ID: SB21-Z12-24 Depth: 12 - 24 in Date: 08/09/23	Location ID: SB22 Sample ID: SB22-Z0-2 Depth: 0 - 2 in Date: 08/01/23	Location ID: SB22 Sample ID: SB22-Z6-12 Depth: 6 - 12 in Date: 08/01/23	Location ID: SB22 Sample ID: SB22-Z12-24 Depth: 12 - 24 in Date: 08/09/23	Location ID: SB23 Sample ID: SB23-Z0-2 Depth: 0 - 2 in Date: 08/01/23	Location ID: SB23 Sample ID: SB23-Z6-12 Depth: 6 - 12 in Date: 08/01/23
PCBs by Method SW8082A (mg/kg)														
PCB-1016 (Aroclor 1016)	N/A	N/A	0.00511 UJ	0.00492 U	0.00471 U	0.00473 UJ	0.00617 U	0.00532 U	0.00536 UJ	0.00495 U	0.00466 U	0.00494 U	0.00538 U	0.00533 U
PCB-1221 (Aroclor 1221)	N/A	N/A	0.00576 U	0.00555 U	0.00532 U	0.00534 U	0.00696 U	0.00601 U	0.00605 U	0.00558 U	0.00525 U	0.00557 U	0.00607 U	0.00602 U
PCB-1232 (Aroclor 1232)	N/A	N/A	0.0122 U	0.0117 U	0.0112 U	0.0113 U	0.0147 U	0.0127 U	0.0128 U	0.0118 U	0.0111 U	0.0118 U	0.0128 U	0.0127 U
PCB-1242 (Aroclor 1242)	N/A	N/A	0.00775 U	0.00747 U	0.00715 U	0.00718 U	0.00937 U	0.00808 U	0.00813 U	0.00751 U	0.00707 U	0.0075 U	0.00816 U	0.00809 U
PCB-1248 (Aroclor 1248)	N/A	N/A	0.00863 U	0.00831 U	0.00796 U	0.00799 U	0.0104 U	0.009 U	0.00905 U	**0.00892 J**	0.00787 U	0.00834 U	**0.18**	**0.129**
PCB-1254 (Aroclor 1254)	N/A	N/A	0.00629 U	**0.00836 J**	0.0058 U	0.00582 U	**0.00845 J**	0.00656 U	0.0066 U	**0.017 J**	0.00574 U	0.00608 U	0.00662 U	0.00657 U
PCB-1260 (Aroclor 1260)	N/A	N/A	0.0106 UJ	0.0102 U	0.0098 U	0.00984 UJ	0.0128 U	0.0111 U	0.0112 UJ	0.0103 U	0.00969 U	0.0103 U	0.0112 U	**0.0259 J**
PCB-1262 (Aroclor 1262)	N/A	N/A	0.0073 U	0.00704 U	0.00674 U	0.00676 U	0.00883 U	0.00762 U	0.00766 U	0.00708 U	0.00666 U	0.00706 U	0.00769 U	0.00762 U
PCB-1268 (Aroclor 1268)	N/A	N/A	0.00596 U	0.00574 U	0.0055 U	0.00552 U	0.0072 U	0.00621 U	0.00625 U	0.00577 U	0.00543 U	0.00576 U	0.00627 U	0.00622 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1	0.00511 U	**0.00836 J**	0.00471 U	0.00473 U	**0.00845 J**	0.00532 U	0.00536 U	**0.0259 J**	0.00466 U	0.00494 U	**0.18**	**0.155 J**

Analyte	Unrestricted SCO	Commercial SCO	Location ID: SB23 Sample ID: SB23-Z12-24 Depth: 12 - 24 in Date: 08/09/23	Location ID: SB24 Sample ID: SB24-Z0-2 Depth: 0 - 2 in Date: 08/01/23	Location ID: SB24 Sample ID: SB24-Z6-12 Depth: 6 - 12 in Date: 08/01/23	Location ID: SB24 Sample ID: SB24-Z12-24 Depth: 12 - 24 in Date: 08/09/23	Location ID: SB24 Sample ID: SB24-Z24-36 Depth: 24 - 36 in Date: 08/09/23	Location ID: SB24 Sample ID: SB 24-Z38-42 Depth: 38 - 42 in Date: 09/29/23	Location ID: SB24 Sample ID: SB24-Z42-48 Depth: 42 - 48 in Date: 12/14/23	Location ID: SB24 Sample ID: SB24-Z48-54 Depth: 48 - 53 in Date: 12/14/23	Location ID: SB25 Sample ID: SB25-Z0-2 Depth: 0 - 2 in Date: 08/01/23	Location ID: SB25 Sample ID: SB25-Z6-12 Depth: 6 - 12 in Date: 08/01/23	Location ID: SB25 Sample ID: SB25-Z12-24 Depth: 12 - 24 in Date: 08/08/23	Location ID: SB25 Sample ID: SB 25-Z24-36 Depth: 24 - 36 in Date: 09/29/23
PCBs by Method SW8082A (mg/kg)														
PCB-1016 (Aroclor 1016)	N/A	N/A	0.00466 UJ	0.599 U	0.501 U	0.0245 U	0.0231 U	0.0238 U	0.00467 UJ	0.00434 UJ	0.54 UJ	0.104 UJ	0.093 U	0.00454 U
PCB-1221 (Aroclor 1221)	N/A	N/A	0.00525 U	0.676 U	0.566 U	0.0276 U	0.026 U	0.0268 U	0.00527 U	0.0049 U	0.61 U	0.117 U	0.105 U	0.00513 U
PCB-1232 (Aroclor 1232)	N/A	N/A	0.0111 U	1.43 U	1.2 U	0.0584 U	0.0551 U	0.0568 U	0.0111 U	0.0104 U	1.29 U	0.248 U	0.222 U	0.0108 U
PCB-1242 (Aroclor 1242)	N/A	N/A	0.00707 U	0.91 U	0.761 U	0.0372 U	0.035 U	0.0361 U	0.00709 U	0.00659 U	0.82 U	0.158 U	0.141 U	0.0069 U
PCB-1248 (Aroclor 1248)	N/A	N/A	**0.0232 J**	**40.4**	**38.7**	**1.21**	**3.24**	**2.32**	**0.0247 J**	0.00733 U	**31.5**	**5.12**	**5.97**	**0.191**
PCB-1254 (Aroclor 1254)	N/A	N/A	0.00574 U	0.738 U	0.618 U	0.0302 U	0.0284 U	0.0293 U	0.00575 U	0.00535 U	0.666 U	0.128 U	0.114 U	0.0056 U
PCB-1260 (Aroclor 1260)	N/A	N/A	0.00969 UJ	1.25 UJ	1.04 UJ	**0.0642 J**	**0.219 J**	0.0495 U	0.00972 U	0.00903 U	1.12 U	0.216 U	0.194 U	0.00946 U
PCB-1262 (Aroclor 1262)	N/A	N/A	0.00666 U	0.857 U	0.717 U	0.035 U	0.033 U	0.034 U	0.00668 U	0.00621 U	0.773 U	0.149 U	0.133 U	0.0065 U
PCB-1268 (Aroclor 1268)	N/A	N/A	0.00543 U	0.699 U	0.585 U	0.0286 U	0.0269 U	0.0277 U	0.00545 U	0.00506 U	0.63 U	0.121 U	0.108 U	0.0053 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1	**0.0232 J**	**40.4**	**38.7**	**1.27 J**	**3.46 J**	**2.32**	**0.0247 J**	0.00434 U	**31.5**	**5.12**	**5.97**	**0.191**

Key:
"-Q" denotes field duplicate sample
J = Estimated value
mg/kg = Milligrams per kilogram
N/A = Not regulated/no available criteria
SCO = Soil Cleanup Objectives
U = Not detected (method detection limit shown)
UJ = Not detected/estimated detection limit
Bold values denote positive detections.
Exceeds Unrestricted SCO values.
Exceeds Commercial SCO values.

SCOs from New York State Department of Environmental Conservation, 6 NYCRR Part 375 Environmental Remediation Programs, 2006 , Table 375-6.8(a) and (b).

Table 1 - Summary of Analytical Results for Soil Samples
Loucks Road Extension, East Syracuse, NY

Analyte	Unrestricted SCO	Commercial SCO	Location ID: SB26 / Sample ID: SB26-Z0-2 / Depth: 0 - 2 in / Date: 07/31/23	SB26 / SB26-Z6-12 / 6 - 12 in / 07/31/23	SB26 / SB26-Z12-24 / 12 - 24 in / 08/09/23	SB27 / SB27-Z0-2 / 0 - 2 in / 08/01/23	SB27 / SB27-Z6-12 / 6 - 12 in / 08/01/23	SB27 / SB27-Z12-24 / 12 - 24 in / 08/08/23	SB28 / SB28-Z0-2 / 0 - 2 in / 08/01/23	SB28 / SB28-Z6-12 / 6 - 12 in / 08/01/23	SB28 / SB28-Z12-24 / 12 - 24 in / 08/08/23	SB29 / SB29-Z0-2 / 0 - 2 in / 07/31/23	SB29 / SB29-Z6-12 / 6 - 12 in / 07/31/23	SB29 / SB29-Z12-24 / 12 - 24 in / 08/08/23
PCBs by Method SW8082A (mg/kg)														
PCB-1016 (Aroclor 1016)	N/A	N/A	0.136 U	0.534 U	0.00502 U	0.551 UJ	0.503 UJ	0.00477 U	0.522 UJ	0.0254 UJ	0.00494 U	0.0282 U	0.524 U	0.107 U
PCB-1221 (Aroclor 1221)	N/A	N/A	0.154 U	0.602 U	0.00566 U	0.621 U	0.568 U	0.00538 U	0.589 U	0.0287 U	0.00557 U	0.0319 U	0.592 U	0.121 U
PCB-1232 (Aroclor 1232)	N/A	N/A	0.326 U	1.27 U	0.012 U	1.31 U	1.2 U	0.0114 U	1.24 U	0.0607 U	0.0118 U	0.0674 U	1.25 U	0.256 U
PCB-1242 (Aroclor 1242)	N/A	N/A	0.207 U	0.81 U	0.00762 U	0.836 U	0.764 U	0.00724 U	0.792 U	0.0386 U	0.00749 U	0.0429 U	0.796 U	0.163 U
PCB-1248 (Aroclor 1248)	N/A	N/A	**3.83**	**8.84**	**0.155**	**34.6**	**26.4**	**0.335**	**20**	**0.717**	**0.388**	**2.67**	**42.3**	**8.12**
PCB-1254 (Aroclor 1254)	N/A	N/A	0.168 U	0.658 U	0.00618 U	0.678 U	0.62 U	0.00587 U	0.643 U	0.0313 U	0.00608 U	0.0348 U	0.646 U	0.132 U
PCB-1260 (Aroclor 1260)	N/A	N/A	0.284 UJ	1.11 UJ	0.0104 U	1.15 U	1.05 U	0.00992 U	1.08 U	0.0529 U	0.0103 U	0.0588 UJ	1.09 UJ	0.224 U
PCB-1262 (Aroclor 1262)	N/A	N/A	0.195 U	0.764 U	0.00718 U	0.788 U	0.719 U	0.00682 U	0.746 U	0.0364 U	0.00706 U	0.0404 U	0.75 U	0.154 U
PCB-1268 (Aroclor 1268)	N/A	N/A	0.159 U	0.623 U	0.00585 U	0.642 U	0.587 U	0.00556 U	0.609 U	0.0296 U	0.00576 U	0.033 U	0.612 U	0.125 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1	**3.83**	**8.84**	**0.155**	**34.6**	**26.4**	**0.335**	**20**	**0.717**	**0.388**	**2.67**	**42.3**	**8.12**

Analyte	Unrestricted SCO	Commercial SCO	Location ID: SB29 / Sample ID: SB29-Z24-36 / Depth: 24 - 36 in / Date: 08/08/23	SB30 / SB30-Z0-2 / 0 - 2 in / 08/01/23	SB30 / SB30-Z6-12 / 6 - 12 in / 08/01/23	SB30 / SB30-Z12-24 / 12 - 24 in / 08/08/23	SB30 / SB30-Z24-36 / 24 - 36 in / 08/08/23	SB31 / SB31-Z0-2 / 0 - 2 in / 08/01/23	SB31 / SB31-Z6-12 / 6 - 12 in / 08/01/23	SB31 / SB31-Z12-24 / 12 - 24 in / 08/08/23	SB32 / SB32-Z0-2 / 0 - 2 in / 08/01/23	SB32 / SB32-Z6-12 / 6 - 12 in / 08/01/23	SB32 / SB32-Z12-24 / 12 - 24 in / 08/08/23	SB33 / SB33-Z0-2 / 0 - 2 in / 08/01/23
PCBs by Method SW8082A (mg/kg)														
PCB-1016 (Aroclor 1016)	N/A	N/A	0.00524 U	0.103 U	0.00502 U	0.0253 U	0.00478 U	0.521 U	0.519 U	0.005 UJ	0.541 U	0.0261 U	0.00515 UJ	0.101 U
PCB-1221 (Aroclor 1221)	N/A	N/A	0.00592 U	0.116 U	0.00566 U	0.0286 U	0.0054 U	0.588 U	0.586 U	0.00564 U	0.611 U	0.0294 U	0.00581 U	0.114 U
PCB-1232 (Aroclor 1232)	N/A	N/A	0.0125 U	0.246 U	0.012 U	0.0605 U	0.0114 U	1.24 U	1.24 U	0.0119 U	1.29 U	0.0623 U	0.0123 U	0.241 U
PCB-1242 (Aroclor 1242)	N/A	N/A	0.00796 U	0.156 U	0.00762 U	0.0385 U	0.00726 U	0.791 U	0.788 U	0.00759 U	0.822 U	0.0396 U	0.00782 U	0.153 U
PCB-1248 (Aroclor 1248)	N/A	N/A	**0.0475 J**	**5.66**	**0.404**	**2.13**	**0.01 J**	**24.8**	**31.2**	**0.619**	**20.6**	**1.05**	**0.11**	**3.95**
PCB-1254 (Aroclor 1254)	N/A	N/A	0.00646 U	0.127 U	0.00618 U	0.0312 U	0.00589 U	0.642 U	0.64 U	0.00616 U	0.667 U	0.0321 U	0.00634 U	0.124 U
PCB-1260 (Aroclor 1260)	N/A	N/A	0.0109 U	0.214 UJ	0.0104 U	0.0527 U	0.00995 U	1.08 U	1.08 U	0.0104 U	1.13 U	0.0543 U	0.0107 U	0.21 U
PCB-1262 (Aroclor 1262)	N/A	N/A	0.0075 U	0.147 U	0.00718 U	0.0362 U	0.00684 U	0.745 U	0.742 U	0.00715 U	0.774 U	0.0373 U	0.00736 U	0.144 U
PCB-1268 (Aroclor 1268)	N/A	N/A	0.00612 U	0.12 U	0.00586 U	0.0296 U	0.00558 U	0.608 U	0.606 U	0.00583 U	0.631 U	0.0304 U	0.00601 U	0.118 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1	**0.0475 J**	**5.66**	**0.404**	**2.13**	**0.01 J**	**24.8**	**31.2**	**0.619**	**20.6**	**1.05**	**0.11**	**3.95**

Key:
"-Q" denotes field duplicate sample
J = Estimated value
mg/kg = Milligrams per kilogram
N/A = Not regulated/no available criteria
SCO = Soil Cleanup Objectives
U = Not detected (method detection limit shown)
UJ = Not detected/estimated detection limit

Bold values denote positive detections.

Exceeds Unrestricted SCO values.

Exceeds Commercial SCO values.

SCOs from New York State Department of Environmental Conservation, 6 NYCRR Part 375 Environmental Remediation Programs, 2006 , Table 375-6.8(a) and (b).

Table 1 - Summary of Analytical Results for Soil Samples
Loucks Road Extension, East Syracuse, NY

Analyte	Unrestricted SCO	Commercial SCO	Location ID: / Sample ID: / Depth: / Date:											
			SB33 SB33-Z6-12 6 - 12 in 08/01/23	SB33 SB33-Z12-24 12 - 24 in 08/08/23	SB33 SB33-Z24-36 24 - 36 in 08/08/23	SB34 SB34-Z0-2 0 - 2 in 08/01/23	SB34 SB34-Z6-12 6 - 12 in 08/01/23	SB34 SB34-Z12-24 12 - 24 in 08/08/23	SB34 SB34-Z24-36 24 - 36 in 08/08/23	SB35 SB35-Z0-2 0 - 2 in 08/01/23	SB35 SB35-Z0-2-Q 0 - 2 in 08/01/23	SB35 SB35-Z6-12 6 - 12 in 08/01/23	SB35 SB35-Z12-24 12 - 24 in 08/08/23	SB36 SB36-Z0-2 0 - 2 in 08/02/23
PCBs by Method SW8082A (mg/kg)														
PCB-1016 (Aroclor 1016)	N/A	N/A	0.00493 U	0.0248 U	0.00521 U	0.584 U	0.51 U	0.0247 U	0.0049 U	0.515 U	0.532 U	0.101 U	0.00514 UJ	0.527 U
PCB-1221 (Aroclor 1221)	N/A	N/A	0.00557 U	0.0279 U	0.00588 U	0.659 U	0.576 U	0.0279 U	0.00553 U	0.581 U	0.6 U	0.114 U	0.0058 U	0.594 U
PCB-1232 (Aroclor 1232)	N/A	N/A	0.0118 U	0.0591 U	0.0124 U	1.39 U	1.22 U	0.059 U	0.0117 U	1.23 U	1.27 U	0.241 U	0.0123 U	1.26 U
PCB-1242 (Aroclor 1242)	N/A	N/A	0.00749 U	0.0376 U	0.00791 U	0.886 U	0.774 U	0.0375 U	0.00744 U	0.781 U	0.807 U	0.153 U	0.0078 U	0.8 U
PCB-1248 (Aroclor 1248)	N/A	N/A	**0.222**	**1.08**	0.0088 U	**38.8**	**18.1**	**2.75**	**0.01 J**	**47.6**	**51.7**	**4.18**	**0.428**	**47.2**
PCB-1254 (Aroclor 1254)	N/A	N/A	0.00608 U	0.0305 U	0.00642 U	0.719 U	0.628 U	0.0304 U	0.00603 U	0.634 U	0.655 U	0.124 U	0.00633 U	0.649 U
PCB-1260 (Aroclor 1260)	N/A	N/A	0.0103 U	0.0515 U	0.0108 U	1.21 U	1.06 U	0.0514 U	0.0102 U	1.07 U	1.11 U	0.21 U	0.0107 U	1.1 U
PCB-1262 (Aroclor 1262)	N/A	N/A	0.00706 U	0.0354 U	0.00745 U	0.835 U	0.729 U	0.0353 U	0.007 U	0.736 U	0.761 U	0.144 U	0.00735 U	0.754 U
PCB-1268 (Aroclor 1268)	N/A	N/A	0.00576 U	0.0289 U	0.00608 U	0.681 U	0.595 U	0.0288 U	0.00571 U	0.6 U	0.62 U	0.118 U	0.006 U	0.615 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1	**0.222**	**1.08**	0.00521 U	**38.8**	**18.1**	**2.75**	**0.01 J**	**47.6**	**51.7**	**4.18**	**0.428**	**47.2**

Analyte	Unrestricted SCO	Commercial SCO	Location ID: / Sample ID: / Depth: / Date:											
			SB36 SB36-Z6-12 6 - 12 in 08/02/23	SB36 SB36-Z12-24 12 - 24 in 08/08/23	SB36 SB36-Z12-24-Q 12 - 24 in 08/08/23	SB36 SB36-Z24-36 24 - 36 in 08/08/23	SB36 SB36-Z24-36-Q 24 - 36 in 08/08/23	SB37 SB37-Z0-2 0 - 2 in 08/01/23	SB37 SB37-Z6-12 6 - 12 in 08/01/23	SB37 SB37-Z12-24 12 - 24 in 08/08/23	SB38 SB38-Z0-2 0 - 2 in 07/31/23	SB38 SB38-Z6-12 6 - 12 in 07/31/23	SB38 SB38-Z12-24 12 - 24 in 08/08/23	SB39 SB39-Z0-2 0 - 2 in 08/01/23
PCBs by Method SW8082A (mg/kg)														
PCB-1016 (Aroclor 1016)	N/A	N/A	0.105 U	0.102 U	0.102 U	0.00499 U	0.00516 U	0.648 U	0.518 U	0.00488 UJ	0.102 U	0.632 U	0.00533 UJ	0.506 U
PCB-1221 (Aroclor 1221)	N/A	N/A	0.118 U	0.115 U	0.114 U	0.00564 U	0.00582 U	0.731 U	0.585 U	0.00551 U	0.115 U	0.713 U	0.00602 U	0.571 U
PCB-1232 (Aroclor 1232)	N/A	N/A	0.25 U	0.243 U	0.242 U	0.0119 U	0.0123 U	1.55 U	1.24 U	0.0116 U	0.243 U	1.51 U	0.0127 U	1.21 U
PCB-1242 (Aroclor 1242)	N/A	N/A	0.159 U	0.154 U	0.154 U	0.00758 U	0.00784 U	0.983 U	0.787 U	0.00741 U	0.154 U	0.959 U	0.00809 U	0.769 U
PCB-1248 (Aroclor 1248)	N/A	N/A	**5.07**	**5.74**	**5.66**	**0.165 J**	**0.0272 J**	**75.1**	**25.3**	**0.111**	**10.2**	**74.9**	**0.0349 J**	**55.7**
PCB-1254 (Aroclor 1254)	N/A	N/A	0.129 U	0.125 U	0.125 U	0.00615 U	0.00636 U	0.798 U	0.638 U	0.00602 U	0.125 U	0.778 U	0.00657 U	0.624 U
PCB-1260 (Aroclor 1260)	N/A	N/A	0.218 U	0.212 U	0.211 U	0.0104 UJ	0.0107 U	1.35 U	1.08 U	0.0102 U	0.212 UJ	1.31 UJ	0.0111 U	1.05 U
PCB-1262 (Aroclor 1262)	N/A	N/A	0.15 U	0.146 U	0.145 U	0.00714 U	0.00738 U	0.926 U	0.741 U	0.00698 U	0.146 U	0.903 U	0.00762 U	0.724 U
PCB-1268 (Aroclor 1268)	N/A	N/A	0.122 U	0.119 U	0.118 U	0.00583 U	0.00602 U	0.756 U	0.605 U	0.0057 U	0.119 U	0.737 U	0.00622 U	0.591 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1	**5.07**	**5.74**	**5.66**	**0.165 J**	**0.0272 J**	**75.1**	**25.3**	**0.111**	**10.2**	**74.9**	**0.0349 J**	**55.7**

Key:
"-Q" denotes field duplicate sample
J = Estimated value
mg/kg = Milligrams per kilogram
N/A = Not regulated/no available criteria
SCO = Soil Cleanup Objectives
U = Not detected (method detection limit shown)
UJ = Not detected/estimated detection limit
Bold values denote positive detections.
Exceeds Unrestricted SCO values.
Exceeds Commercial SCO values.

SCOs from New York State Department of Environmental Conservation, 6 NYCRR Part 375 Environmental Remediation Programs, 2006 , Table 375-6.8(a) and (b).

Table 1 - Summary of Analytical Results for Soil Samples
Loucks Road Extension, East Syracuse, NY

Analyte	Unrestricted SCO	Commercial SCO	Location ID: SB39 Sample ID: SB39-Z6-12 Depth: 6 - 12 in Date: 08/01/23	SB39 SB39-Z12-24 12 - 24 in 08/08/23	SB39 SB39-Z24-36 24 - 36 in 08/08/23	SB40 SB40-Z0-2 0 - 2 in 07/31/23	SB40 SB40-Z6-12 6 - 12 in 07/31/23	SB40 SB40-Z12-24 12 - 24 in 08/08/23	SB41 SB41-Z0-2 0 - 2 in 08/01/23	SB41 SB41-Z6-12 6 - 12 in 08/01/23	SB41 SB41-Z12-24 12 - 24 in 08/08/23	SB42 SB42-Z0-2 0 - 2 in 07/31/23	SB42 SB42-Z6-12 6 - 12 in 07/31/23	SB42 SB42-Z6-12-Q 6 - 12 in 07/31/23
PCBs by Method SW8082A (mg/kg)														
PCB-1016 (Aroclor 1016)	N/A	N/A	0.105 U	0.0246 U	0.00513 U	0.121 U	0.537 U	0.00534 UJ	0.546 U	0.122 U	0.00498 UJ	0.00571 U	0.00493 U	0.00505 U
PCB-1221 (Aroclor 1221)	N/A	N/A	0.118 U	0.0278 U	0.00579 U	0.136 U	0.606 U	0.00603 U	0.616 U	0.138 U	0.00562 U	0.00645 U	0.00556 U	0.0057 U
PCB-1232 (Aroclor 1232)	N/A	N/A	0.25 U	0.0588 U	0.0122 U	0.288 U	1.28 U	0.0128 U	1.3 U	0.291 U	0.0119 U	0.0136 U	0.0118 U	0.0121 U
PCB-1242 (Aroclor 1242)	N/A	N/A	0.159 U	0.0374 U	0.00779 U	0.183 U	0.815 U	0.00811 U	0.828 U	0.185 U	0.00756 U	0.00867 U	0.00748 U	0.00767 U
PCB-1248 (Aroclor 1248)	N/A	N/A	**10.2**	**1.4**	**0.0116 J**	**6.82**	**43.6**	**0.398**	**35.4**	**10.6**	**0.443**	**0.262**	**0.417**	**0.315**
PCB-1254 (Aroclor 1254)	N/A	N/A	0.129 U	0.0304 U	0.00632 U	0.149 U	0.662 U	0.00658 U	0.672 U	0.15 U	0.00614 U	0.00704 U	0.00607 U	0.00622 U
PCB-1260 (Aroclor 1260)	N/A	N/A	0.218 U	0.0513 U	0.0107 U	0.251 UJ	1.12 UJ	0.0111 U	1.14 U	0.254 U	0.0104 U	0.0119 UJ	0.0102 UJ	0.0105 UJ
PCB-1262 (Aroclor 1262)	N/A	N/A	0.15 U	0.0352 U	0.00734 U	0.173 U	0.768 U	0.00764 U	0.78 U	0.174 U	0.00713 U	0.00817 U	0.00705 U	0.00723 U
PCB-1268 (Aroclor 1268)	N/A	N/A	0.122 U	0.0288 U	0.00599 U	0.141 U	0.626 U	0.00623 U	0.636 U	0.142 U	0.00581 U	0.00666 U	0.00575 U	0.0059 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1	**10.2**	**1.4**	**0.0116 J**	**6.82**	**43.6**	**0.398**	**35.4**	**10.6**	**0.443**	**0.262**	**0.417**	**0.315**

Analyte	Unrestricted SCO	Commercial SCO	Location ID: SB42 Sample ID: SB42-Z12-24 Depth: 12 - 24 in Date: 08/08/23	SB43 SB43-Z0-2 0 - 2 in 07/31/23	SB43 SB43-Z6-12 6 - 12 in 07/31/23	SB43 SB43-Z12-24 12 - 24 in 08/08/23	SB43 SB43-Z24-36 24 - 36 in 08/08/23	SB43 SB 43-Z40-48 40 - 48 in 09/27/23	SB43 SB43-Z60-66 60 - 66 in 12/13/23	SB44 SB44-Z0-2 0 - 2 in 07/31/23	SB44 SB44-Z6-12 6 - 12 in 07/31/23	SB44 SB44-Z12-24 12 - 24 in 08/08/23	SB45 SB45-Z0-2 0 - 2 in 07/31/23	SB45 SB45-Z6-12 6 - 12 in 07/31/23
PCBs by Method SW8082A (mg/kg)														
PCB-1016 (Aroclor 1016)	N/A	N/A	0.0052 UJ	3.17 UJ	3.06 UJ	0.496 UJ	0.461 U	0.0933 U	0.00464 U	0.00609 U	0.00572 U	0.00482 UJ	0.116 U	0.025 U
PCB-1221 (Aroclor 1221)	N/A	N/A	0.00587 U	3.57 U	3.45 U	0.559 U	0.52 U	0.105 U	0.00523 U	0.00687 U	0.00646 U	0.00544 U	0.13 U	0.0282 U
PCB-1232 (Aroclor 1232)	N/A	N/A	0.0124 U	7.56 U	7.31 U	1.18 U	1.1 U	0.223 U	0.0111 U	0.0145 U	0.0137 U	0.0115 U	0.276 U	0.0596 U
PCB-1242 (Aroclor 1242)	N/A	N/A	0.0079 U	4.81 U	4.65 U	0.752 U	0.7 U	0.142 U	0.00704 UJ	0.00924 U	0.00869 U	0.00731 U	0.175 U	0.0379 U
PCB-1248 (Aroclor 1248)	N/A	N/A	**0.195**	**98.8**	**130**	**10.1**	**12.6**	**5.75**	**0.456**	**0.337**	**0.191**	**0.101**	**4.34**	**0.799**
PCB-1254 (Aroclor 1254)	N/A	N/A	0.00641 U	3.9 U	3.77 U	0.611 U	0.568 U	0.115 U	0.00571 U	0.0075 U	0.00705 U	0.00594 U	0.142 U	0.0308 U
PCB-1260 (Aroclor 1260)	N/A	N/A	0.0108 U	6.59 U	6.37 U	1.03 U	0.96 U	0.194 U	0.00965 U	0.0127 UJ	0.0119 UJ	0.01 U	0.24 U	0.052 U
PCB-1262 (Aroclor 1262)	N/A	N/A	0.00744 U	4.53 U	4.38 U	0.709 U	0.659 U	0.133 U	0.00663 U	0.00871 U	0.00819 U	0.00689 U	0.165 U	0.0357 U
PCB-1268 (Aroclor 1268)	N/A	N/A	0.00607 U	3.69 U	3.57 U	0.578 U	0.538 U	0.109 U	0.00541 U	0.0071 U	0.00668 U	0.00562 U	0.135 U	0.0291 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1	**0.195**	**98.8**	**130**	**10.1**	**12.6**	**5.75**	**0.456**	**0.337**	**0.191**	**0.101**	**4.34**	**0.799**

Key:
"-Q" denotes field duplicate sample
J = Estimated value
mg/kg = Milligrams per kilogram
N/A = Not regulated/no available criteria
SCO = Soil Cleanup Objectives
U = Not detected (method detection limit shown)
UJ = Not detected/estimated detection limit
Bold values denote positive detections.
Exceeds Unrestricted SCO values.
Exceeds Commercial SCO values.

SCOs from New York State Department of Environmental Conservation, 6 NYCRR Part 375 Environmental Remediation Programs, 2006 , Table 375-6.8(a) and (b).

Table 1 - Summary of Analytical Results for Soil Samples
Loucks Road Extension, East Syracuse, NY

Analyte	Unrestricted SCO	Commercial SCO	Location ID: SB45 Sample ID: SB45-Z12-24 Depth: 12 - 24 in Date: 08/08/23	SB46 SB46-Z0-2 0 - 2 in 07/31/23	SB46 SB46-Z6-12 6 - 12 in 07/31/23	SB46 SB46-Z12-24 12 - 24 in 08/08/23	SB47 SB47-Z0-2 0 - 2 in 07/31/23	SB47 SB47-Z6-12 6 - 12 in 07/31/23	SB47 SB47-Z12-24 12 - 24 in 08/08/23	SB48 SB48-Z0-2 0 - 2 in 07/31/23	SB48 SB48-Z6-12 6 - 12 in 07/31/23	SB48 SB48-Z12-24 12 - 24 in 08/08/23	SB49 SB49-Z0-2 0 - 2 in 09/26/23	SB49 SB49-Z6-12 6 - 12 in 09/26/23
PCBs by Method SW8082A (mg/kg)														
PCB-1016 (Aroclor 1016)	N/A	N/A	0.00451 UJ	0.00572 U	0.00503 U	0.00495 U	0.00564 U	0.00505 U	0.00495 UJ	0.00545 U	0.00533 U	0.0055 UJ	0.00521 U	0.00488 U
PCB-1221 (Aroclor 1221)	N/A	N/A	0.00508 U	0.00646 U	0.00568 U	0.00559 U	0.00637 U	0.00569 U	0.00558 U	0.00615 U	0.00602 U	0.00621 U	0.00588 U	0.0055 U
PCB-1232 (Aroclor 1232)	N/A	N/A	0.0108 U	0.0137 U	0.012 U	0.0118 U	0.0135 U	0.012 U	0.0118 U	0.013 U	0.0127 U	0.0131 U	0.0124 U	0.0116 U
PCB-1242 (Aroclor 1242)	N/A	N/A	0.00684 U	0.00869 U	0.00764 U	0.00752 U	0.00857 U	0.00766 U	0.00751 U	0.00827 U	0.0081 U	0.00835 U	0.00791 U	0.0074 U
PCB-1248 (Aroclor 1248)	N/A	N/A	**0.0408 J**	**0.234**	**0.195**	**0.596**	**0.257**	**0.15**	**0.0235 J**	**0.16**	**0.127**	**0.0828**	**0.149**	**0.0407 J**
PCB-1254 (Aroclor 1254)	N/A	N/A	0.00555 U	0.00705 U	0.0062 U	0.0061 U	0.00696 U	0.00622 U	0.0061 U	0.00672 U	0.00657 U	0.00678 U	0.00642 U	**0.0496 J**
PCB-1260 (Aroclor 1260)	N/A	N/A	0.00938 U	0.0119 UJ	0.0105 UJ	0.0103 U	0.0117 UJ	0.0105 UJ	0.0103 U	0.0113 UJ	0.0111 UJ	0.0114 U	0.0108 U	**0.0163 J**
PCB-1262 (Aroclor 1262)	N/A	N/A	0.00644 U	0.00818 U	0.0072 U	0.00708 U	0.00807 U	0.00722 U	0.00708 U	0.0078 U	0.00763 U	0.00787 U	0.00745 U	0.00697 U
PCB-1268 (Aroclor 1268)	N/A	N/A	0.00526 U	0.00668 U	0.00587 U	0.00578 U	0.00659 U	0.00589 U	0.00577 U	0.00636 U	0.00622 U	0.00642 U	**0.0157 J**	0.00569 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1	**0.0408 J**	**0.234**	**0.195**	**0.596**	**0.257**	**0.15**	**0.0235 J**	**0.16**	**0.127**	**0.0828**	**0.165 J**	**0.107 J**

Analyte	Unrestricted SCO	Commercial SCO	Location ID: SB49 Sample ID: SB49-Z12-18 Depth: 12 - 18 in Date: 09/26/23	SB50 SB50-Z0-2 0 - 2 in 09/26/23	SB50 SB50-Z6-12 6 - 12 in 09/26/23	SB50 SB50-Z12-24 12 - 24 in 09/26/23	SB51 SB51-Z0-2 0 - 2 in 09/26/23	SB51 SB51-Z0-2-Q 0 - 2 in 09/26/23	SB51 SB51-Z6-12 6 - 12 in 09/26/23	SB51 SB51-Z12-24 12 - 24 in 09/26/23	SB52 SB52-Z0-2 0 - 2 in 09/26/23	SB52 SB52-Z6-12 6 - 12 in 09/26/23	SB52 SB52-Z12-24 12 - 24 in 09/26/23	SB52 SB52-Z24-36 24 - 36 in 09/26/23
PCBs by Method SW8082A (mg/kg)														
PCB-1016 (Aroclor 1016)	N/A	N/A	0.00494 U	0.0279 U	0.00478 U	0.00556 U	0.0996 U	0.103 U	0.00509 U	0.00538 U	0.0257 U	0.0247 U	0.103 U	0.00472 U
PCB-1221 (Aroclor 1221)	N/A	N/A	0.00557 U	0.0315 U	0.00539 U	0.00628 U	0.112 U	0.116 U	0.00574 U	0.00608 U	0.029 U	0.0278 U	0.116 U	0.00533 U
PCB-1232 (Aroclor 1232)	N/A	N/A	0.0118 U	0.0666 U	0.0114 U	0.0133 U	0.238 U	0.245 U	0.0121 U	0.0128 U	0.0614 U	0.0589 U	0.245 U	0.0113 U
PCB-1242 (Aroclor 1242)	N/A	N/A	0.00749 U	0.0424 U	0.00726 U	0.00844 U	0.151 U	0.156 U	0.00772 U	0.00818 U	0.0391 U	0.0374 U	0.156 U	0.00717 U
PCB-1248 (Aroclor 1248)	N/A	N/A	**0.0281 J**	**2.92**	**0.173**	**0.0777**	**5.73**	**5.37**	**0.56**	**0.419**	**2.84**	**2.99**	**4.61**	**0.159**
PCB-1254 (Aroclor 1254)	N/A	N/A	**0.0293 J**	0.0344 U	0.00589 U	0.00685 U	0.123 U	0.126 U	0.00626 U	0.00664 U	0.0317 U	0.0304 U	0.126 U	0.00582 U
PCB-1260 (Aroclor 1260)	N/A	N/A	**0.0134 J**	0.0581 U	0.00995 U	0.0116 U	0.207 U	0.214 U	0.0106 U	0.0112 U	0.0536 U	0.0514 U	0.214 U	0.00983 U
PCB-1262 (Aroclor 1262)	N/A	N/A	0.00706 U	0.0399 U	0.00684 U	0.00796 U	0.142 U	0.147 U	0.00727 U	0.0077 U	0.0368 U	0.0353 U	0.147 U	0.00675 U
PCB-1268 (Aroclor 1268)	N/A	N/A	0.00576 U	0.0326 U	0.00558 U	0.00649 U	0.116 U	0.12 U	0.00593 U	0.00628 U	0.03 U	0.0288 U	0.12 U	0.00551 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1	**0.0708 J**	**2.92**	**0.173**	**0.0777**	**5.73**	**5.37**	**0.56**	**0.419**	**2.84**	**2.99**	**4.61**	**0.159**

Key:
"-Q" denotes field duplicate sample
J = Estimated value
mg/kg = Milligrams per kilogram
N/A = Not regulated/no available criteria
SCO = Soil Cleanup Objectives
U = Not detected (method detection limit shown)
UJ = Not detected/estimated detection limit
Bold values denote positive detections.
Exceeds Unrestricted SCO values.
Exceeds Commercial SCO values.

SCOs from New York State Department of Environmental Conservation, 6 NYCRR Part 375 Environmental Remediation Programs, 2006 , Table 375-6.8(a) and (b).

Table 1 - Summary of Analytical Results for Soil Samples
Loucks Road Extension, East Syracuse, NY

Analyte	Unrestricted SCO	Commercial SCO	Location ID: / Sample ID: / Depth: / Date:											
			SB53 / SB53-Z0-2 / 0 - 2 in / 09/26/23	SB53 / SB53-Z6-12 / 6 - 12 in / 09/26/23	SB53 / SB53-Z12-24 / 12 - 24 in / 09/26/23	SB54 / SB54-Z0-2 / 0 - 2 in / 09/26/23	SB54 / SB54-Z6-12 / 6 - 12 in / 09/26/23	SB54 / SB54-Z12-24 / 12 - 24 in / 09/26/23	SB54 / SB54-Z12-24-Q / 12 - 24 in / 09/26/23	SB55 / SB55-Z0-2 / 0 - 2 in / 09/26/23	SB55 / SB55-Z6-12 / 6 - 12 in / 09/26/23	SB55 / SB55-Z12-24 / 12 - 24 in / 09/26/23	SB56 / SB56-Z0-2 / 0 - 2 in / 09/26/23	SB56 / SB56-Z6-12 / 6 - 12 in / 09/26/23
PCBs by Method SW8082A (mg/kg)														
PCB-1016 (Aroclor 1016)	N/A	N/A	0.00591 U	0.00543 U	0.00524 U	0.0272 UJ	0.00493 U	0.00521 U	0.00528 U	0.0284 U	0.00479 U	0.00484 U	0.0056 U	0.00509 U
PCB-1221 (Aroclor 1221)	N/A	N/A	0.00667 U	0.00613 U	0.00591 U	0.0308 U	0.00557 U	0.00588 U	0.00596 U	0.0321 U	0.0054 U	0.00546 U	0.00632 U	0.00575 U
PCB-1232 (Aroclor 1232)	N/A	N/A	0.0141 U	0.013 U	0.0125 U	0.0651 U	0.0118 U	0.0124 U	0.0126 U	0.0679 U	0.0114 U	0.0116 U	0.0134 U	0.0122 U
PCB-1242 (Aroclor 1242)	N/A	N/A	0.00897 U	0.00825 U	0.00795 U	0.0414 U	0.00749 U	0.00792 U	0.00802 U	0.0432 U	0.00727 U	0.00735 U	0.0085 U	0.00773 U
PCB-1248 (Aroclor 1248)	N/A	N/A	**0.937**	**0.219**	**0.014 J**	**1.53**	**0.035 J**	**0.0334 J**	**0.0368 J**	**2.11**	**0.356**	**0.117**	**1.38**	**0.126**
PCB-1254 (Aroclor 1254)	N/A	N/A	0.00728 U	0.0067 U	0.00645 U	0.0336 U	0.00608 U	0.00642 U	0.0065 U	0.035 U	0.0059 U	0.00596 U	0.0069 U	0.00627 U
PCB-1260 (Aroclor 1260)	N/A	N/A	0.0123 U	0.0113 U	0.0109 U	0.0567 U	0.0103 U	0.0108 U	0.011 U	0.0592 U	0.00997 U	0.0101 U	0.0116 U	0.0106 U
PCB-1262 (Aroclor 1262)	N/A	N/A	0.00845 U	0.00777 U	0.00749 U	0.039 U	0.00706 U	0.00746 U	0.00755 U	0.0407 U	0.00685 U	0.00692 U	0.00801 U	0.00728 U
PCB-1268 (Aroclor 1268)	N/A	N/A	0.0069 U	0.00634 U	0.00611 U	0.0318 U	0.00576 U	0.00608 U	0.00616 U	0.0332 U	0.00559 U	0.00565 U	0.00653 U	0.00594 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1	**0.937**	**0.219**	**0.014 J**	**1.53**	**0.035 J**	**0.0334 J**	**0.0368 J**	**2.11**	**0.356**	**0.117**	**1.38**	**0.126**

Analyte	Unrestricted SCO	Commercial SCO	Location ID: / Sample ID: / Depth: / Date:											
			SB56 / SB56-Z12-24 / 12 - 24 in / 09/26/23	SB57 / SB57-Z0-2 / 0 - 2 in / 09/26/23	SB57 / SB57-Z6-12 / 6 - 12 in / 09/26/23	SB57 / SB57-Z12-24 / 12 - 24 in / 09/26/23	SB58 / SB58-Z0-2 / 0 - 2 in / 09/26/23	SB58 / SB58-Z6-12 / 6 - 12 in / 09/26/23	SB58 / SB58-Z12-24 / 12 - 24 in / 09/26/23	SB59 / SB59-Z0-2 / 0 - 2 in / 12/13/23	SB59 / SB59-Z6-12 / 6 - 12 in / 12/13/23	SB60 / SB60-Z0-2 / 0 - 2 in / 08/03/23	SB60 / SB60-Z6-12 / 6 - 12 in / 08/03/23	SB61 / SB61-Z0-2 / 0 - 2 in / 08/03/23
PCBs by Method SW8082A (mg/kg)														
PCB-1016 (Aroclor 1016)	N/A	N/A	0.00514 U	0.106 U	0.00483 U	0.00484 U	0.00563 U	0.0286 UJ	0.00506 U	0.0059 U	0.00576 U	0.101 U	0.101 U	0.107 U
PCB-1221 (Aroclor 1221)	N/A	N/A	0.0058 U	0.119 U	0.00545 U	0.00546 U	0.00636 U	0.0323 U	0.00572 U	0.00665 U	0.0065 U	0.114 U	0.114 U	0.121 U
PCB-1232 (Aroclor 1232)	N/A	N/A	0.0123 U	0.252 U	0.0115 U	0.0116 U	0.0134 U	0.0683 U	0.0121 U	0.0141 U	0.0138 U	0.242 U	0.24 U	0.256 U
PCB-1242 (Aroclor 1242)	N/A	N/A	0.0078 U	0.16 U	0.00733 U	0.00735 U	0.00855 U	0.0434 U	0.00769 U	0.00895 UJ	0.00875 UJ	0.154 U	0.153 U	0.163 U
PCB-1248 (Aroclor 1248)	N/A	N/A	**0.0122 J**	**3.08**	**0.0832**	**0.0177 J**	**0.203**	**1.85**	**0.0674**	**0.0578 J**	**0.0203 J**	**11.7**	**5.95**	**9.29**
PCB-1254 (Aroclor 1254)	N/A	N/A	0.00633 U	0.13 U	0.00595 U	0.00597 U	0.00694 U	0.0352 U	0.00624 U	0.00726 U	0.0071 U	0.125 U	0.124 U	0.132 U
PCB-1260 (Aroclor 1260)	N/A	N/A	0.0107 U	0.22 U	0.01 U	0.0101 U	0.0117 U	0.0595 U	0.0105 U	0.0123 U	0.012 U	0.211 U	0.209 U	0.224 U
PCB-1262 (Aroclor 1262)	N/A	N/A	0.00735 U	0.151 U	0.00691 U	0.00693 U	0.00806 U	0.0409 U	0.00724 U	0.00843 U	0.00824 U	0.145 U	0.144 U	0.154 U
PCB-1268 (Aroclor 1268)	N/A	N/A	0.00599 U	0.123 U	0.00563 U	0.00565 U	0.00657 U	0.0334 U	0.00591 U	0.00688 U	0.00672 U	0.118 U	0.117 U	0.125 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1	**0.0122 J**	**3.08**	**0.0832**	**0.0177 J**	**0.203**	**1.85**	**0.0674**	**0.0578 J**	**0.0203 J**	**11.7**	**5.95**	**9.29**

Key:
"-Q" denotes field duplicate sample
J = Estimated value
mg/kg = Milligrams per kilogram
N/A = Not regulated/no available criteria
SCO = Soil Cleanup Objectives
U = Not detected (method detection limit shown)
UJ = Not detected/estimated detection limit

Bold values denote positive detections.

Exceeds Unrestricted SCO values.

Exceeds Commercial SCO values.

SCOs from New York State Department of Environmental Conservation, 6 NYCRR Part 375 Environmental Remediation Programs, 2006 , Table 375-6.8(a) and (b).

Table 1 - Summary of Analytical Results for Soil Samples
Loucks Road Extension, East Syracuse, NY

Analyte	Unrestricted SCO	Commercial SCO	Location ID: / Sample ID: / Depth: / Date:											
			SB61 SB61-Z6-12 6 - 12 in 08/03/23	SB62 SB62-Z0-2 0 - 2 in 08/03/23	SB62 SB62-Z6-12 6 - 12 in 08/03/23	SB63 SB63-Z0-2 0 - 2 in 08/03/23	SB63 SB63-Z0-2-Q 0 - 2 in 08/03/23	SB63 SB63-Z6-12 6 - 12 in 08/03/23	SB63 SB63-Z12-24 12 - 24 in 12/13/23	SB63 SB63-Z12-24-Q 12 - 24 in 12/13/23	SB63 SB63-Z24-36 24 - 36 in 12/13/23	SB64 SB64-Z0-2 0 - 2 in 08/02/23	SB64 SB64-Z6-12 6 - 12 in 08/02/23	SB65 SB65-Z0-2 0 - 2 in 08/02/23
PCBs by Method SW8082A (mg/kg)														
PCB-1016 (Aroclor 1016)	N/A	N/A	0.025 U	0.113 U	0.1 U	0.536 U	0.545 U	0.1 U	0.005 U	0.00521 U	0.00474 U	0.027 U	0.1 U	0.5 U
PCB-1221 (Aroclor 1221)	N/A	N/A	0.0282 U	0.127 U	0.113 U	0.605 U	0.615 U	0.113 U	0.00565 U	0.00587 U	0.00534 U	0.0305 U	0.113 U	0.564 U
PCB-1232 (Aroclor 1232)	N/A	N/A	0.0597 U	0.269 U	0.239 U	1.28 U	1.3 U	0.239 U	0.012 U	0.0124 U	0.0113 U	0.0645 U	0.24 U	1.19 U
PCB-1242 (Aroclor 1242)	N/A	N/A	0.038 U	0.171 U	0.152 U	0.814 U	0.828 U	0.152 U	0.0076 U	0.0079 U	0.00719 U	0.041 U	0.152 U	0.759 U
PCB-1248 (Aroclor 1248)	N/A	N/A	**1.24**	**5.73**	**6.39**	**14.8**	**19.8**	**10**	0.00846 U	0.00879 U	**0.0187 J**	**1.48**	**6.81**	**33.7**
PCB-1254 (Aroclor 1254)	N/A	N/A	0.0308 U	0.139 U	0.124 U	0.66 U	0.672 U	0.124 U	0.00617 U	0.00641 U	0.00584 U	0.0333 U	0.124 U	0.616 U
PCB-1260 (Aroclor 1260)	N/A	N/A	0.052 U	0.235 U	0.209 U	1.12 U	1.14 U	0.209 U	0.0104 UJ	0.0108 UJ	0.00986 UJ	0.0562 U	0.209 U	1.04 U
PCB-1262 (Aroclor 1262)	N/A	N/A	0.0358 U	0.161 U	0.143 U	0.767 U	0.78 U	0.143 U	0.00716 U	0.00744 U	0.00677 U	0.0386 U	0.144 U	0.715 U
PCB-1268 (Aroclor 1268)	N/A	N/A	0.0292 U	0.132 U	0.117 U	0.625 U	0.636 U	0.117 U	0.00584 U	0.00607 U	0.00552 U	0.0315 U	0.117 U	0.583 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1	**1.24**	**5.73**	**6.39**	**14.8**	**19.8**	**10**	0.005 U	0.00521 U	**0.0187 J**	**1.48**	**6.81**	**33.7**

Analyte	Unrestricted SCO	Commercial SCO	Location ID: / Sample ID: / Depth: / Date:											
			SB65 SB65-Z6-12 6 - 12 in 08/02/23	SB66 SB66-Z0-2 0 - 2 in 12/14/23	SB66 SB66-Z6-12 6 - 12 in 12/14/23	SB66 SB66-Z12-24 12 - 24 in 12/14/23	SB67 SB67-Z0-2 0 - 2 in 12/14/23	SB67 SB67-Z6-12 6 - 12 in 12/14/23	SB67 SB67-Z12-24 12 - 24 in 12/14/23	SB67 SB67-Z24-36 24 - 36 in 12/14/23	SB68 SB68-Z0-2 0 - 2 in 12/13/23	SB68 SB68-Z6-12 6 - 12 in 12/13/23	SB68 SB68-Z12-24 12 - 24 in 12/13/23	SB69 SB69-Z0-2 0 - 2 in 12/13/23
PCBs by Method SW8082A (mg/kg)														
PCB-1016 (Aroclor 1016)	N/A	N/A	0.471 U	0.00646 U	0.00522 U	0.00509 U	0.00513 U	0.00488 U	0.0245 U	0.00466 U	0.00614 UJ	0.00492 UJ	0.00484 UJ	0.0066 UJ
PCB-1221 (Aroclor 1221)	N/A	N/A	0.532 U	0.00729 U	0.00589 U	0.00574 U	0.00579 U	0.00551 U	0.0277 U	0.00526 U	0.00692 U	0.00555 U	0.00546 U	0.00744 U
PCB-1232 (Aroclor 1232)	N/A	N/A	1.12 U	0.0154 UJ	0.0125 UJ	0.0122 UJ	0.0122 UJ	0.0116 UJ	0.0586 UJ	0.0111 U	0.0146 U	0.0117 U	0.0116 U	0.0157 U
PCB-1242 (Aroclor 1242)	N/A	N/A	0.715 U	0.00981 U	0.00793 U	0.00773 U	0.00779 U	0.00741 U	0.0372 U	0.00707 U	0.00931 U	0.00747 U	0.00735 U	0.01 U
PCB-1248 (Aroclor 1248)	N/A	N/A	**26.4**	**1**	**0.102**	**0.00924 J**	**0.12**	**0.467**	**1.92**	**0.513**	**0.0998**	**0.0744**	**0.0184 J**	**0.188**
PCB-1254 (Aroclor 1254)	N/A	N/A	0.58 U	0.00796 U	0.00643 U	0.00627 U	0.00632 U	0.00601 U	0.0302 U	0.00574 U	0.00756 U	0.00606 U	0.00596 U	0.00813 U
PCB-1260 (Aroclor 1260)	N/A	N/A	0.981 U	0.0134 U	0.0109 U	0.0106 U	0.0107 U	0.0102 U	0.0511 U	**0.0211 J**	0.0128 U	0.0102 U	0.0101 U	0.0137 U
PCB-1262 (Aroclor 1262)	N/A	N/A	0.674 U	0.00924 U	0.00747 U	0.00728 U	0.00734 U	0.00698 U	0.0351 U	0.00666 U	0.00877 U	0.00703 U	0.00692 U	0.00943 U
PCB-1268 (Aroclor 1268)	N/A	N/A	0.55 U	0.00754 U	0.00609 U	0.00594 U	0.00599 U	0.00569 U	0.0286 U	0.00543 U	0.00716 U	0.00574 U	0.00565 U	0.0077 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1	**26.4**	**1**	**0.102**	**0.00924 J**	**0.12**	**0.467**	**1.92**	**0.534 J**	**0.0998**	**0.0744**	**0.0184 J**	**0.188**

Key:
"-Q" denotes field duplicate sample
J = Estimated value
mg/kg = Milligrams per kilogram
N/A = Not regulated/no available criteria
SCO = Soil Cleanup Objectives
U = Not detected (method detection limit shown)
UJ = Not detected/estimated detection limit

Bold values denote positive detections.

Exceeds Unrestricted SCO values.

Exceeds Commercial SCO values.

SCOs from New York State Department of Environmental Conservation, 6 NYCRR Part 375 Environmental Remediation Programs, 2006 , Table 375-6.8(a) and (b).

Table 1 - Summary of Analytical Results for Soil Samples
Loucks Road Extension, East Syracuse, NY

Analyte	Unrestricted SCO	Commercial SCO	Location ID: SB69 Sample ID: SB69-Z6-12 Depth: 6 - 12 in Date: 12/13/23	SB69 SB69-Z12-24 12 - 24 in 12/13/23	SB70 SB70-Z0-2 0 - 2 in 12/13/23	SB70 SB70-Z6-12 6 - 12 in 12/13/23	SB70 SB70-Z12-24 12 - 24 in 12/13/23	SB71 SB71-Z0-2 0 - 2 in 12/13/23	SB71 SB71-Z6-12 6 - 12 in 12/13/23	SB71 SB71-Z12-24 12 - 24 in 12/13/23	SB71 SB71-Z12-24-Q 12 - 24 in 12/13/23	SB72 SB72-Z0-2 0 - 2 in 12/13/23	SB72 SB72-Z6-12 6 - 12 in 12/13/23	SB72 SB72-Z12-24 12 - 24 in 12/13/23
PCBs by Method SW8082A (mg/kg)														
PCB-1016 (Aroclor 1016)	N/A	N/A	0.00596 UJ	0.00509 UJ	0.00575 UJ	0.0277 U	0.00506 UJ	0.00634 UJ	0.00499 UJ	0.00488 UJ	0.00523 UJ	0.00674 U	0.00571 U	0.00483 U
PCB-1221 (Aroclor 1221)	N/A	N/A	0.00672 U	0.00574 U	0.00649 U	0.0313 U	0.00571 U	0.00716 U	0.00563 U	0.00551 U	0.0059 U	0.00761 U	0.00644 U	0.00545 U
PCB-1232 (Aroclor 1232)	N/A	N/A	0.0142 U	0.0122 U	0.0137 U	0.0662 U	0.0121 U	0.0151 U	0.0119 U	0.0116 U	0.0125 U	0.0161 U	0.0136 U	0.0115 U
PCB-1242 (Aroclor 1242)	N/A	N/A	0.00905 U	0.00773 U	0.00873 U	0.0421 U	0.00768 U	0.00963 U	0.00757 U	0.00741 U	0.00793 U	0.0102 UJ	0.00866 UJ	0.00733 UJ
PCB-1248 (Aroclor 1248)	N/A	N/A	**0.0329 J**	**0.0405 J**	**0.201**	**3.22**	**0.0401 J**	**0.0206 J**	**0.0164 J**	**0.049 J**	**0.0149 J**	**0.0793**	**0.0151 J**	0.00816 U
PCB-1254 (Aroclor 1254)	N/A	N/A	0.00734 U	0.00627 U	0.00708 U	0.0342 U	0.00624 U	0.00782 U	0.00614 U	0.00602 U	0.00644 U	0.00831 U	0.00703 U	0.00595 U
PCB-1260 (Aroclor 1260)	N/A	N/A	0.0124 U	0.0106 U	0.012 UJ	0.0577 UJ	0.0105 UJ	0.0132 UJ	0.0104 UJ	0.0102 UJ	0.0109 UJ	**0.0202 J**	0.0119 U	0.01 U
PCB-1262 (Aroclor 1262)	N/A	N/A	0.00852 U	0.00728 U	0.00822 U	0.0396 U	0.00724 U	0.00908 U	0.00713 U	0.00698 U	0.00747 U	0.00964 U	0.00816 U	0.00691 U
PCB-1268 (Aroclor 1268)	N/A	N/A	0.00695 U	0.00594 U	0.00671 U	0.0323 U	0.0059 U	0.0074 U	0.00582 U	0.0057 U	0.0061 U	0.00786 U	0.00666 U	0.00564 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1	**0.0329 J**	**0.0405 J**	**0.201**	**3.22**	**0.0401 J**	**0.0206 J**	**0.0164 J**	**0.049 J**	**0.0149 J**	**0.0995 J**	**0.0151 J**	0.00483 U

Analyte	Unrestricted SCO	Commercial SCO	Location ID: SB73 Sample ID: SB73-Z0-2 Depth: 0 - 2 in Date: 12/13/23	SB73 SB73-Z6-12 6 - 12 in 12/13/23	SB73 SB73-Z12-24 12 - 24 in 12/13/23	SB74 SB74-Z0-2 0 - 2 in 12/13/23	SB74 SB74-Z6-12 6 - 12 in 12/13/23	SB74 SB74-Z12-18 12 - 18 in 12/13/23	SB75 SB75-Z0-2 0 - 2 in 12/13/23	SB75 SB75-6-12 6 - 12 in 12/13/23	SB75 SB75-Z12-18 12 - 18 in 12/13/23	SB76 SB76-Z0-2 0 - 2 in 07/12/24	SB76 SB76-Z6-12 6 - 12 in 07/12/24	SB76 SB76-Z12-24 12 - 24 in 07/12/24
PCBs by Method SW8082A (mg/kg)														
PCB-1016 (Aroclor 1016)	N/A	N/A	0.0357 U	0.00487 U	0.00488 U	0.00617 U	0.00564 U	0.00508 U	0.00501 U	0.0049 U	0.00496 U	0.00574 U	0.00521 U	0.00468 U
PCB-1221 (Aroclor 1221)	N/A	N/A	0.0403 U	0.00549 U	0.00551 U	0.00696 U	0.00636 U	0.00573 U	0.00565 U	0.00553 U	0.0056 U	0.00647 U	0.00588 U	0.00528 U
PCB-1232 (Aroclor 1232)	N/A	N/A	0.0853 U	0.0116 U	0.0116 U	0.0147 U	0.0135 U	0.0121 U	0.012 U	0.0117 U	0.0118 U	0.0137 U	0.0124 U	0.0112 U
PCB-1242 (Aroclor 1242)	N/A	N/A	0.0542 UJ	0.00739 U	0.00741 U	0.00936 U	0.00856 U	0.00771 U	0.0076 U	0.00744 U	0.00753 U	0.00871 U	0.00791 U	0.0071 U
PCB-1248 (Aroclor 1248)	N/A	N/A	**1.08**	0.00822 U	0.00825 U	**0.122**	**0.144**	**0.0831**	**0.149**	**0.0842**	**0.0303 J**	**0.0454 J**	0.0088 U	0.0079 U
PCB-1254 (Aroclor 1254)	N/A	N/A	0.044 U	0.006 U	0.00601 U	0.0076 U	0.00695 U	0.00626 U	0.00617 U	0.00604 U	0.00611 U	0.00707 U	0.00642 U	0.00576 U
PCB-1260 (Aroclor 1260)	N/A	N/A	0.0744 U	0.0101 UJ	0.0102 UJ	0.0128 UJ	0.0117 UJ	0.0106 UJ	0.0104 UJ	0.0102 UJ	0.0103 UJ	**0.135**	0.0108 U	0.00973 U
PCB-1262 (Aroclor 1262)	N/A	N/A	0.0511 U	0.00696 U	0.00698 U	0.00882 U	0.00807 U	0.00726 U	0.00716 U	0.00701 U	0.00709 U	0.0082 U	0.00745 U	0.00669 U
PCB-1268 (Aroclor 1268)	N/A	N/A	0.0417 U	0.00568 U	0.0057 U	0.0072 U	0.00658 U	0.00592 U	0.00584 U	0.00572 U	0.00578 U	0.00669 U	0.00608 U	0.00546 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1	**1.08**	0.00487 U	0.00488 U	**0.122**	**0.144**	**0.0831**	**0.149**	**0.0842**	**0.0303 J**	**0.18 J**	0.00521 U	0.00468 U

Key:
"-Q" denotes field duplicate sample
J = Estimated value
mg/kg = Milligrams per kilogram
N/A = Not regulated/no available criteria
SCO = Soil Cleanup Objectives
U = Not detected (method detection limit shown)
UJ = Not detected/estimated detection limit

Bold values denote positive detections.

Exceeds Unrestricted SCO values.

Exceeds Commercial SCO values.

SCOs from New York State Department of Environmental Conservation, 6 NYCRR Part 375 Environmental Remediation Programs, 2006 , Table 375-6.8(a) and (b).

Table 1 - Summary of Analytical Results for Soil Samples
Loucks Road Extension, East Syracuse, NY

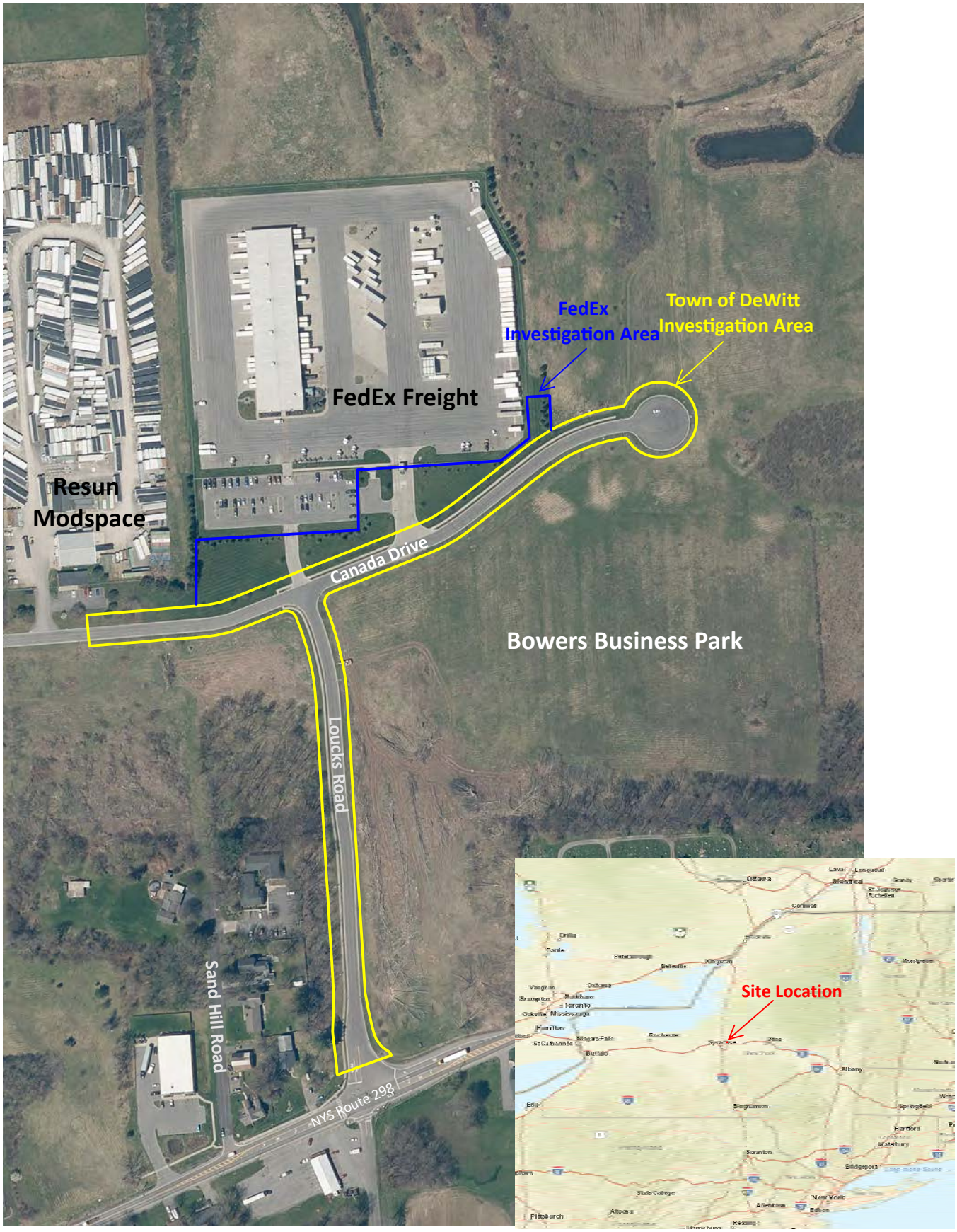
Analyte	Unrestricted SCO	Commercial SCO	Location ID: SB77 Sample ID: SB77-Z0-2 Depth: 0 - 2 in Date: 07/12/24	SB77 SB77-Z6-12 6 - 12 in 07/12/24	SB77 SB77-Z12-24 12 - 24 in 07/12/24	SB78 SB78-Z0-2 0 - 2 in 07/12/24
PCBs by Method SW8082A (mg/kg)						
PCB-1016 (Aroclor 1016)	N/A	N/A	0.00726 U	0.00509 U	0.00454 U	0.00614 U
PCB-1221 (Aroclor 1221)	N/A	N/A	0.00819 U	0.00574 U	0.00512 U	0.00693 U
PCB-1232 (Aroclor 1232)	N/A	N/A	0.0173 U	0.0121 U	0.0108 U	0.0147 U
PCB-1242 (Aroclor 1242)	N/A	N/A	0.011 U	0.00772 U	0.00689 U	0.00932 U
PCB-1248 (Aroclor 1248)	N/A	N/A	**0.0832**	0.00859 U	0.00766 U	**0.288**
PCB-1254 (Aroclor 1254)	N/A	N/A	**0.0712 J**	0.00627 U	0.00559 U	0.00757 U
PCB-1260 (Aroclor 1260)	N/A	N/A	**0.0408 J**	**0.012 J**	0.00944 U	0.0577 UJ
PCB-1262 (Aroclor 1262)	N/A	N/A	0.0104 U	0.00728 U	0.00649 U	0.00878 U
PCB-1268 (Aroclor 1268)	N/A	N/A	0.00847 U	0.00594 U	0.00529 U	0.00717 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1	**0.195 J**	**0.012 J**	0.00454 U	**0.346 J**

Analyte	Unrestricted SCO	Commercial SCO	Location ID: SB78 Sample ID: SB78-Z6-12 Depth: 6 - 12 in Date: 07/12/24	SB78 SB78-Z12-24 12 - 24 in 07/12/24	SB79 SB79-Z0-2 0 - 2 in 07/12/24
PCBs by Method SW8082A (mg/kg)					
PCB-1016 (Aroclor 1016)	N/A	N/A	0.00467 U	0.00479 U	0.00594 U
PCB-1221 (Aroclor 1221)	N/A	N/A	0.00527 U	0.0054 U	0.0067 U
PCB-1232 (Aroclor 1232)	N/A	N/A	0.0112 U	0.0114 U	0.0142 U
PCB-1242 (Aroclor 1242)	N/A	N/A	0.00709 U	0.00727 U	0.00902 U
PCB-1248 (Aroclor 1248)	N/A	N/A	0.00789 U	**0.0129 J**	**0.266**
PCB-1254 (Aroclor 1254)	N/A	N/A	0.00576 U	0.0059 U	0.00732 U
PCB-1260 (Aroclor 1260)	N/A	N/A	0.00973 U	0.00996 U	0.0124 U
PCB-1262 (Aroclor 1262)	N/A	N/A	0.00668 U	0.00685 U	0.0085 U
PCB-1268 (Aroclor 1268)	N/A	N/A	0.00545 U	0.00558 U	0.00693 U
Polychlorinated Biphenyl (PCBs), Total	0.1	1	0.00467 U	**0.0129 J**	**0.266**

Key:
"-Q" denotes field duplicate sample
J = Estimated value
mg/kg = Milligrams per kilogram
N/A = Not regulated/no available criteria
SCO = Soil Cleanup Objectives
U = Not detected (method detection limit shown)
UJ = Not detected/estimated detection limit
Bold values denote positive detections.
Exceeds Unrestricted SCO values.
Exceeds Commercial SCO values.

SCOs from New York State Department of Environmental Conservation, 6 NYCRR Part 375 Environmental Remediation Programs, 2006 , Table 375-6.8(a) and (b).

Figures



Note: orthoimagery obtained from NYS GIS Clearinghouse
https://orthos.dhses.ny.gov/# (accessed 9/6/2023)

N

feet

0 300 600

Figure 1
Site Location Map
Loucks Road Extension Site
DeWitt, New York

NEW YORK STATE Department of Environmental Conservation

ecology and environment engineering and geology, p.c.

Note: orthoimagery obtained from NYS GIS Clearinghouse
https://orthos.dhses.ny.gov/# (accessed 9/6/2023)

N

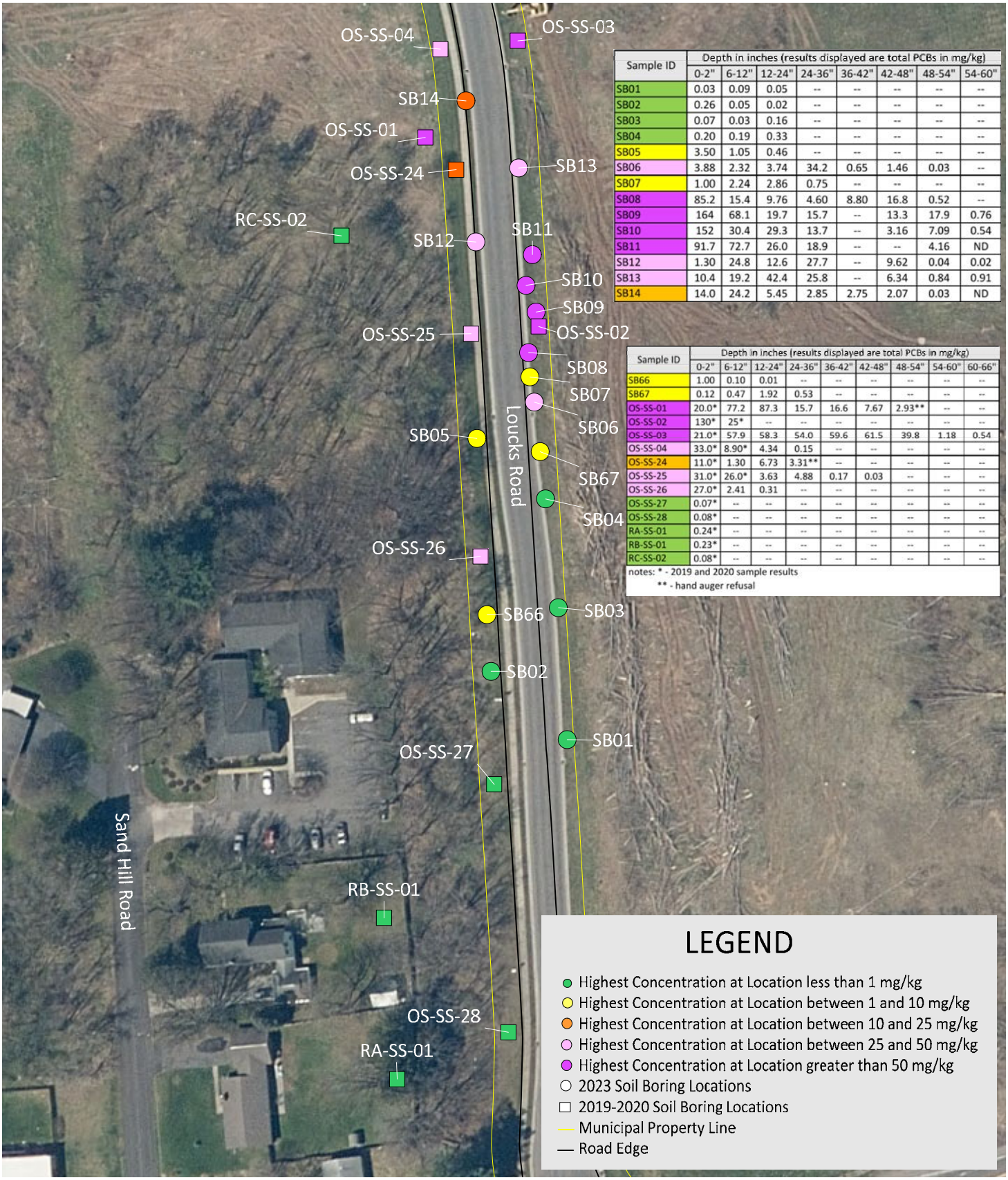
feet

0 100 200

NEW YORK STATE Department of Environmental Conservation

ecology and environment engineering and geology, p.c.

Figure 2
Sample Locations
Loucks Road Extension Site
DeWitt, New York



Sample ID	Depth in inches (results displayed are total PCBs in mg/kg)							
	0-2"	6-12"	12-24"	24-36"	36-42"	42-48"	48-54"	54-60"
SB01	0.03	0.09	0.05	--	--	--	--	--
SB02	0.26	0.05	0.02	--	--	--	--	--
SB03	0.07	0.03	0.16	--	--	--	--	--
SB04	0.20	0.19	0.33	--	--	--	--	--
SB05	3.50	1.05	0.46	--	--	--	--	--
SB06	3.88	2.32	3.74	34.2	0.65	1.46	0.03	--
SB07	1.00	2.24	2.86	0.75	--	--	--	--
SB08	85.2	15.4	9.76	4.60	8.80	16.8	0.52	--
SB09	164	68.1	19.7	15.7	--	13.3	17.9	0.76
SB10	152	30.4	29.3	13.7	--	3.16	7.09	0.54
SB11	91.7	72.7	26.0	18.9	--	--	4.16	ND
SB12	1.30	24.8	12.6	27.7	--	9.62	0.04	0.02
SB13	10.4	19.2	42.4	25.8	--	6.34	0.84	0.91
SB14	14.0	24.2	5.45	2.85	2.75	2.07	0.03	ND

Sample ID	Depth in inches (results displayed are total PCBs in mg/kg)								
	0-2"	6-12"	12-24"	24-36"	36-42"	42-48"	48-54"	54-60"	60-66"
SB66	1.00	0.10	0.01	--	--	--	--	--	--
SB67	0.12	0.47	1.92	0.53	--	--	--	--	--
OS-SS-01	20.0*	77.2	87.3	15.7	16.6	7.67	2.93**	--	--
OS-SS-02	130*	25*	--	--	--	--	--	--	--
OS-SS-03	21.0*	57.9	58.3	54.0	59.6	61.5	39.8	1.18	0.54
OS-SS-04	33.0*	8.90*	4.34	0.15	--	--	--	--	--
OS-SS-24	11.0*	1.30	6.73	3.31**	--	--	--	--	--
OS-SS-25	31.0*	26.0*	3.63	4.88	0.17	0.03	--	--	--
OS-SS-26	27.0*	2.41	0.31	--	--	--	--	--	--
OS-SS-27	0.07*	--	--	--	--	--	--	--	--
OS-SS-28	0.08*	--	--	--	--	--	--	--	--
RA-SS-01	0.24*	--	--	--	--	--	--	--	--
RB-SS-01	0.23*	--	--	--	--	--	--	--	--
RC-SS-02	0.08*	--	--	--	--	--	--	--	--

notes: * - 2019 and 2020 sample results
** - hand auger refusal

LEGEND

- Highest Concentration at Location less than 1 mg/kg
- Highest Concentration at Location between 1 and 10 mg/kg
- Highest Concentration at Location between 10 and 25 mg/kg
- Highest Concentration at Location between 25 and 50 mg/kg
- Highest Concentration at Location greater than 50 mg/kg
- 2023 Soil Boring Locations
- 2019-2020 Soil Boring Locations
- Municipal Property Line
- Road Edge

Notes: orthoimagery obtained from NYS GIS Clearinghouse (https://orthos.dhses.ny.gov/#, accessed 9/6/2023)
Depths for historical data on the table are approximate; for example, some historical samples were collected from 0-6" but are presented in the 0-2" column; refer to analytical tables for accurate depths.
mg/kg = milligrams per kilogram

N

feet
0 100 200

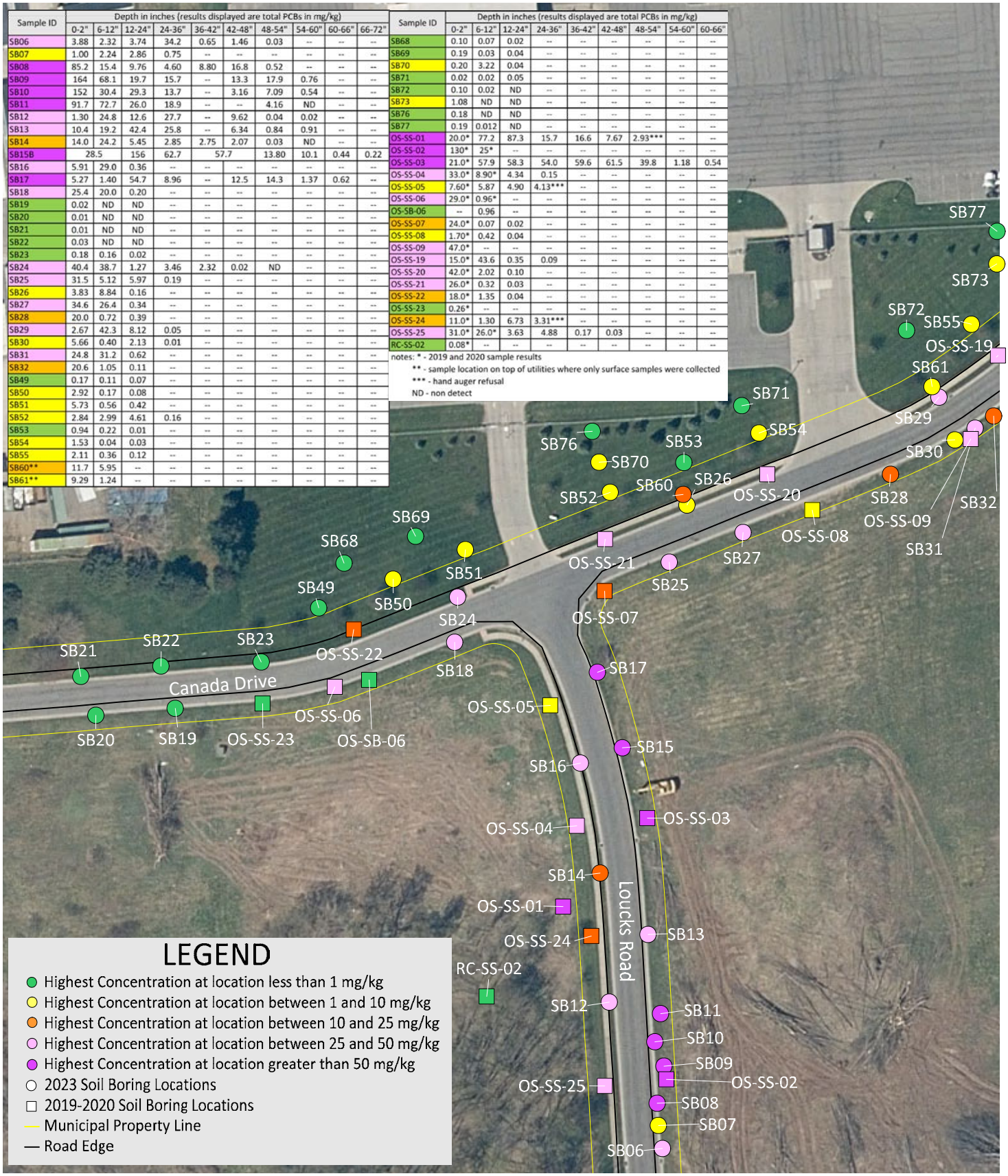
NEW YORK STATE Department of Environmental Conservation
ecology and environment engineering and geology, p.c.

Figure 3
Sample Location and Analytical Results
South Area
Loucks Road Extension Site
DeWitt, New York

Sample ID	Depth in inches (results displayed are total PCBs in mg/kg)									
	0-2"	6-12"	12-24"	24-36"	36-42"	42-48"	48-54"	54-60"	60-66"	66-72"
SB06	3.88	2.32	3.74	34.2	0.65	1.46	0.03	--	--	--
SB07	1.00	2.24	2.86	0.75	--	--	--	--	--	--
SB08	85.2	15.4	9.76	4.60	8.80	16.8	0.52	--	--	--
SB09	164	68.1	19.7	15.7	--	13.3	17.9	0.76	--	--
SB10	152	30.4	29.3	13.7	--	3.16	7.09	0.54	--	--
SB11	91.7	72.7	26.0	18.9	--	--	4.16	ND	--	--
SB12	1.30	24.8	12.6	27.7	--	9.62	0.04	0.02	--	--
SB13	10.4	19.2	42.4	25.8	--	6.34	0.84	0.91	--	--
SB14	14.0	24.2	5.45	2.85	2.75	2.07	0.03	ND	--	--
SB15B	28.5		156	62.7	57.7		13.80	10.1	0.44	0.22
SB16	5.91	29.0	0.36	--	--	--	--	--	--	--
SB17	5.27	1.40	54.7	8.96	--	12.5	14.3	1.37	0.62	--
SB18	25.4	20.0	0.20	--	--	--	--	--	--	--
SB19	0.02	ND	ND	--	--	--	--	--	--	--
SB20	0.01	ND	ND	--	--	--	--	--	--	--
SB21	0.01	ND	ND	--	--	--	--	--	--	--
SB22	0.03	ND	ND	--	--	--	--	--	--	--
SB23	0.18	0.16	0.02	--	--	--	--	--	--	--
SB24	40.4	38.7	1.27	3.46	2.32	0.02	ND	--	--	--
SB25	31.5	5.12	5.97	0.19	--	--	--	--	--	--
SB26	3.83	8.84	0.16	--	--	--	--	--	--	--
SB27	34.6	26.4	0.34	--	--	--	--	--	--	--
SB28	20.0	0.72	0.39	--	--	--	--	--	--	--
SB29	2.67	42.3	8.12	0.05	--	--	--	--	--	--
SB30	5.66	0.40	2.13	0.01	--	--	--	--	--	--
SB31	24.8	31.2	0.62	--	--	--	--	--	--	--
SB32	20.6	1.05	0.11	--	--	--	--	--	--	--
SB49	0.17	0.11	0.07	--	--	--	--	--	--	--
SB50	2.92	0.17	0.08	--	--	--	--	--	--	--
SB51	5.73	0.56	0.42	--	--	--	--	--	--	--
SB52	2.84	2.99	4.61	0.16	--	--	--	--	--	--
SB53	0.94	0.22	0.01	--	--	--	--	--	--	--
SB54	1.53	0.04	0.03	--	--	--	--	--	--	--
SB55	2.11	0.36	0.12	--	--	--	--	--	--	--
SB60**	11.7	5.95	--	--	--	--	--	--	--	--
SB61**	9.29	1.24	--	--	--	--	--	--	--	--

Sample ID	Depth in inches (results displayed are total PCBs in mg/kg)								
	0-2"	6-12"	12-24"	24-36"	36-42"	42-48"	48-54"	54-60"	60-66"
SB68	0.10	0.07	0.02	--	--	--	--	--	--
SB69	0.19	0.03	0.04	--	--	--	--	--	--
SB70	0.20	3.22	0.04	--	--	--	--	--	--
SB71	0.02	0.02	0.05	--	--	--	--	--	--
SB72	0.10	0.02	ND	--	--	--	--	--	--
SB73	1.08	ND	ND	--	--	--	--	--	--
SB76	0.18	ND	ND	--	--	--	--	--	--
SB77	0.19	0.012	ND	--	--	--	--	--	--
OS-SS-01	20.0*	77.2	87.3	15.7	16.6	7.67	2.93***	--	--
OS-SS-02	130*	25*	--	--	--	--	--	--	--
OS-SS-03	21.0*	57.9	58.3	54.0	59.6	61.5	39.8	1.18	0.54
OS-SS-04	33.0*	8.90*	4.34	0.15	--	--	--	--	--
OS-SS-05	7.60*	5.87	4.90	4.13***	--	--	--	--	--
OS-SS-06	29.0*	0.96*	--	--	--	--	--	--	--
OS-SB-06	--	0.96	--	--	--	--	--	--	--
OS-SS-07	24.0*	0.07	0.02	--	--	--	--	--	--
OS-SS-08	1.70*	0.42	0.04	--	--	--	--	--	--
OS-SS-09	47.0*	--	--	--	--	--	--	--	--
OS-SS-19	15.0*	43.6	0.35	0.09	--	--	--	--	--
OS-SS-20	42.0*	2.02	0.10	--	--	--	--	--	--
OS-SS-21	26.0*	0.32	0.03	--	--	--	--	--	--
OS-SS-22	18.0*	1.35	0.04	--	--	--	--	--	--
OS-SS-23	0.26*	--	--	--	--	--	--	--	--
OS-SS-24	11.0*	1.30	6.73	3.31***	--	--	--	--	--
OS-SS-25	31.0*	26.0*	3.63	4.88	0.17	0.03	--	--	--
RC-SS-02	0.08*	--	--	--	--	--	--	--	--

notes: * - 2019 and 2020 sample results
** - sample location on top of utilities where only surface samples were collected
*** - hand auger refusal
ND - non detect



LEGEND

- Highest Concentration at location less than 1 mg/kg
- Highest Concentration at location between 1 and 10 mg/kg
- Highest Concentration at location between 10 and 25 mg/kg
- Highest Concentration at location between 25 and 50 mg/kg
- Highest Concentration at location greater than 50 mg/kg
- 2023 Soil Boring Locations
- 2019-2020 Soil Boring Locations
- Municipal Property Line
- Road Edge

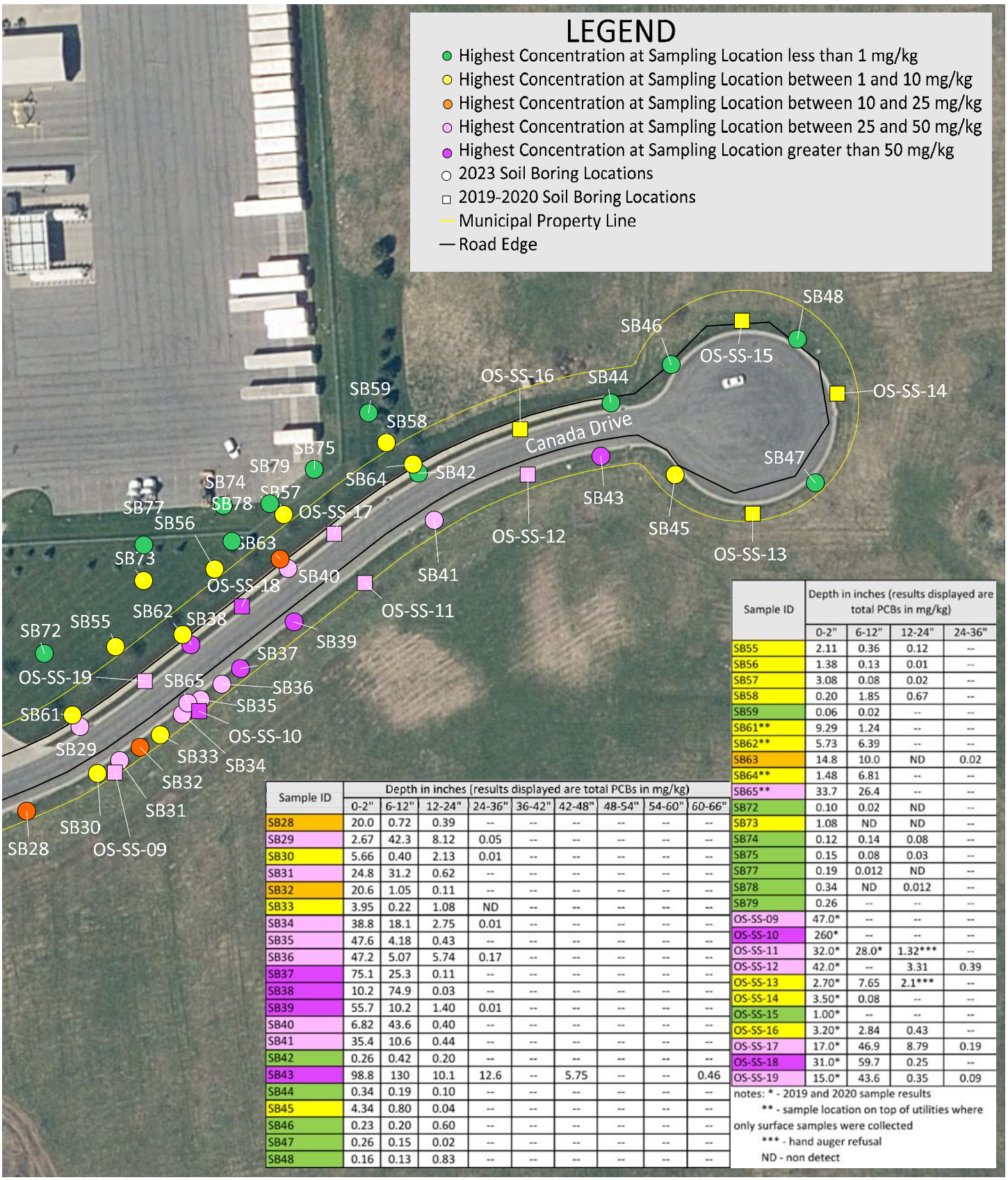
Notes: orthoimagery obtained from NYS GIS Clearinghouse (https://orthos.dhses.ny.gov/#, accessed 9/6/2023)
Depths for historical data on the table are approximate; for example, some historical samples were collected from 0-6" but are presented in the 0-2" column; refer to analytical tables for accurate depths.
mg/kg = milligrams per kilogram

N

feet
0 100 200

Figure 4
Sample Location and Analytical Results
Northwest Area
Loucks Road Extension Site
DeWitt, New York

NEW YORK STATE | Department of Environmental Conservation
ecology and environment engineering and geology, p.c.



Sample ID	Depth in inches (results displayed are total PCBs in mg/kg)								
	0-2"	6-12"	12-24"	24-36"	36-42"	42-48"	48-54"	54-60"	60-66"
SB28	20.0	0.72	0.39	--	--	--	--	--	--
SB29	2.67	42.3	8.12	0.05	--	--	--	--	--
SB30	5.66	0.40	2.13	0.01	--	--	--	--	--
SB31	24.8	31.2	0.62	--	--	--	--	--	--
SB32	20.6	1.05	0.11	--	--	--	--	--	--
SB33	3.95	0.22	1.08	ND	--	--	--	--	--
SB34	38.8	18.1	2.75	0.01	--	--	--	--	--
SB35	47.6	4.18	0.43	--	--	--	--	--	--
SB36	47.2	5.07	5.74	0.17	--	--	--	--	--
SB37	75.1	25.3	0.11	--	--	--	--	--	--
SB38	10.2	74.9	0.03	--	--	--	--	--	--
SB39	55.7	10.2	1.40	0.01	--	--	--	--	--
SB40	6.82	43.6	0.40	--	--	--	--	--	--
SB41	35.4	10.6	0.44	--	--	--	--	--	--
SB42	0.26	0.42	0.20	--	--	--	--	--	--
SB43	98.8	130	10.1	12.6	--	5.75	--	--	0.46
SB44	0.34	0.19	0.10	--	--	--	--	--	--
SB45	4.34	0.80	0.04	--	--	--	--	--	--
SB46	0.23	0.20	0.60	--	--	--	--	--	--
SB47	0.26	0.15	0.02	--	--	--	--	--	--
SB48	0.16	0.13	0.83	--	--	--	--	--	--

Sample ID	Depth in inches (results displayed are total PCBs in mg/kg)			
	0-2"	6-12"	12-24"	24-36"
SB55	2.11	0.36	0.12	--
SB56	1.38	0.13	0.01	--
SB57	3.08	0.08	0.02	--
SB58	0.20	1.85	0.67	--
SB59	0.06	0.02	--	--
SB61**	9.29	1.24	--	--
SB62**	5.73	6.39	--	--
SB63	14.8	10.0	ND	0.02
SB64**	1.48	6.81	--	--
SB65**	33.7	26.4	--	--
SB72	0.10	0.02	ND	--
SB73	1.08	ND	ND	--
SB74	0.12	0.14	0.08	--
SB75	0.15	0.08	0.03	--
SB77	0.19	0.012	ND	--
SB78	0.34	ND	0.012	--
SB79	0.26	--	--	--
OS-SS-09	47.0*	--	--	--
OS-SS-10	260*	--	--	--
OS-SS-11	32.0*	28.0*	1.32***	--
OS-SS-12	42.0*	--	3.31	0.39
OS-SS-13	2.70*	7.65	2.1***	--
OS-SS-14	3.50*	0.08	--	--
OS-SS-15	1.00*	--	--	--
OS-SS-16	3.20*	2.84	0.43	--
OS-SS-17	17.0*	46.9	8.79	0.19
OS-SS-18	31.0*	59.7	0.25	--
OS-SS-19	15.0*	43.6	0.35	0.09

notes: * - 2019 and 2020 sample results
** - sample location on top of utilities where only surface samples were collected
*** - hand auger refusal
ND - non detect

Notes: orthoimagery obtained from NYS GIS Clearinghouse (https://orthos.dhses.ny.gov/#, accessed 9/6/2023)
Depths for historical data on the table are approximate; for example, some historical samples were collected from 0-6" but are presented in the 0-2" column; refer to analytical tables for accurate depths.
mg/kg = milligrams per kilogram

N

feet
0 100 200

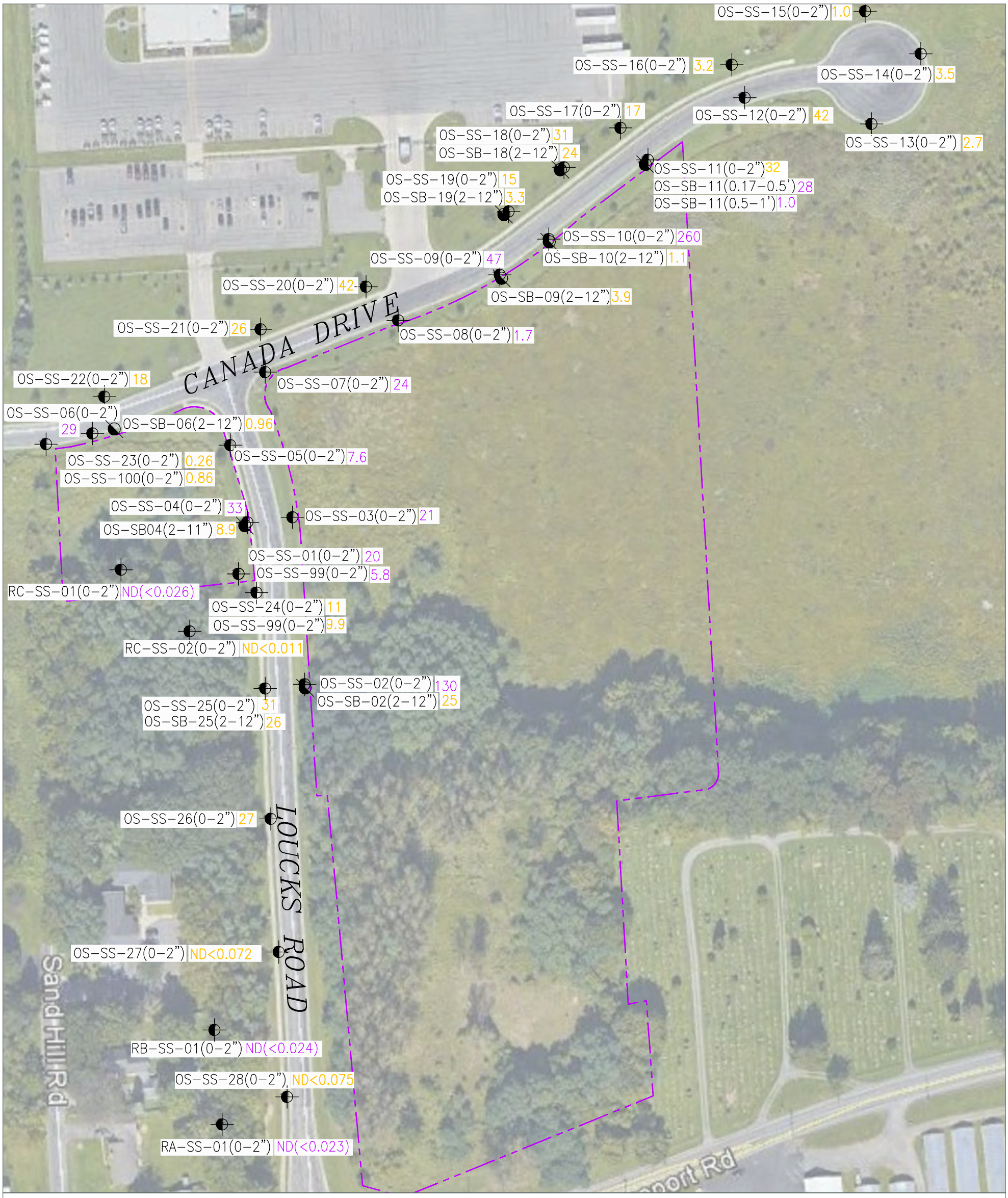
NEW YORK STATE Department of Environmental Conservation
ecology and environment engineering and geology, p.c.

Figure 5
Sample Location and Analytical Results
Northeast Area
Loucks Road Extension Site
DeWitt, New York

A 2019-2020 NYSDEC Off-site Sampling Results

Data from Groundwater & Environmental Services, Inc. 2020. *Off-Site Investigation Report*, prepared for NYS Department of Environmental Conservation, May 2020.

Figures



LEGEND

- PROPERTY BOUNDARY (approximate)
- SURFACE SOIL SAMPLE (0–2")
- SOIL BORING (>2")
- OS-SS-11(0.5-1')1.0 SAMPLE ID/DEPTH/PCB RESULTS (2019)
- OS-SS-11(0.5-1')1.0 SAMPLE ID/DEPTH/PCB RESULTS (2020)
- PCB POLYCHLORINATED BIPHENYL (ppm)
- ppm PARTS PER MILLION

Soil Sample Location Map

NYSDEC
Loucks Road Extension
Loucks Road and Canada Drive
East Syracuse, New York

Drawn W.G.S.
Designed
Approved
Date 8/10/20
Figure

N

Scale In Feet
0 120

GES
Groundwater & Environmental Services, Inc.

M:\Graphics\0600-Syracuse\NYSDEC\E. Syracuse (Loucks Rd)\E.Syracuse (Loucks Rd) SM.dwg, B-P, WShea

Table

Table 1

SOIL ANALYTICAL DATA - PCBs

Loucks Road Extension - Off-Site
Canada Drive
East Syracuse, New York

Sample Location	NYSDEC CP-51 SCO (mg/Kg)	RC-SS-02	OS-SB-02	OS-SB-04	OS-SB-06	OS-SB-09	OS-SB-10	OS-SS-12	OS-SS-13	OS-SS-14
Depth of Sample (inches)		**0-2**	**2-12**	**2-11**	**2-12**	**2-12**	**2-12**	**0-2**	**0-2**	**0-2**
Date Sampled		**06/23/2020**	**06/24/2020**	**06/24/2020**	**06/24/2020**	**06/24/2020**	**06/24/2020**	**06/23/2020**	**06/23/2020**	**06/23/2020**
EPA Method 8082A - PCB Compounds (mg/Kg)										
Aroclor 1016	**1**	ND <0.079	ND<3.6	ND<0.85	ND<0.071	ND<0.44	ND<0.083	ND <3.7	ND <0.37	ND <0.37
Aroclor 1221		ND <0.079	ND<3.6	ND<0.85	ND<0.071	ND<0.44	ND<0.083	ND <3.7	ND <0.37	ND <0.37
Aroclor 1232		ND <0.079	ND<3.6	ND<0.85	ND<0.071	ND<0.44	ND<0.083	ND <3.7	ND <0.37	ND <0.37
Aroclor 1242		ND <0.079	ND<3.6	ND<0.85	ND<0.071	ND<0.44	ND<0.083	ND <3.7	ND <0.37	ND <0.37
Aroclor 1248		ND <0.079	**25**	**8.9**	0.96	**3.9**	**1.1**	**42**	**2.7**	**3.5**
Aroclor 1254		ND <0.079	ND<3.6	ND<0.85	ND<0.071	ND<0.44	ND<0.083	ND <3.7	ND <0.37	ND <0.37
Aroclor 1260		ND <0.079	ND<3.6	ND<0.85	ND<0.071	ND<0.44	ND<0.083	ND <3.7	ND <0.37	ND <0.37

NOTES:
All Concentrations Reported In Milligrams Per Kilogram (mg/kg or ppm)
SCO = Soil Cleanup Objective
ND< = Not detected at or above laboratory limit indicated.
Bold type indicates that compound exceeds NYSDEC CP-51 SCO

Table 1

SOIL ANALYTICAL DATA - PCBs

Loucks Road Extension - Off-Site
Canada Drive
East Syracuse, New York

Sample Location	NYSDEC CP-51 SCO (mg/Kg)	OS-SS-15	OS-SS-16	OS-SS-17	OS-SS-18	OS-SB-18	OS-SS-19	OS-SB-19	OS-22-20	OS-SS-21	OS-SS-22
Depth of Sample (inches)		**0-2**	**0-2**	**0-2**	**0-2**	**2-12**	**0-2**	**2-12**	**0-2**	**0-2**	**0-2**
Date Sampled		**06/23/2020**	**06/23/2020**	**06/23/2020**	**06/23/2020**	**06/23/2020**	**06/23/2020**	**06/23/2020**	**06/24/2020**	**06/24/2020**	**06/24/2020**
EPA Method 8082A - PCB Compounds (mg/Kg)											
Aroclor 1016	1	ND <0.079	ND<0.4	ND<1.8	ND<2.5	ND<1.8	ND<1.8	ND <0.36	ND<3.6	ND<2.2	ND<1.9
Aroclor 1221		ND <0.079	ND<0.4	ND<1.8	ND<2.5	ND<1.8	ND<1.8	ND <0.36	ND<3.6	ND<2.2	ND<1.9
Aroclor 1232		ND <0.079	ND<0.4	ND<1.8	ND<2.5	ND<1.8	ND<1.8	ND <0.36	ND<3.6	ND<2.2	ND<1.9
Aroclor 1242		ND <0.079	ND<0.4	ND<1.8	ND<2.5	ND<1.800	ND<1.8	ND <0.36	ND<3.6	ND<2.2	ND<1.9
Aroclor 1248		**1.0**	**3.2**	**17**	**31**	**24**	**15**	**3.3**	**42**	**26**	**18**
Aroclor 1254		ND <0.079	ND<0.4	ND<1.8	ND<2.5	ND<1.8	ND<1.8	ND <0.36	ND<3.6	ND<2.2	ND<1.9
Aroclor 1260		ND <0.079	ND<0.4	ND<1.8	ND<2.5	ND<1.8	ND<1.8	ND <0.36	ND<3.6	ND<2.2	ND<1.9

NOTES:
All Concentrations Reported In Milligrams Per Kilogram (mg/kg or ppm)
SCO = Soil Cleanup Objective
ND< = Not detected at or above laboratory limit indicated.
Bold type indicates that compound exceeds NYSDEC CP-51 SCO

Table 1

SOIL ANALYTICAL DATA - PCBs

Loucks Road Extension - Off-Site
Canada Drive
East Syracuse, New York

Sample Location	NYSDEC CP-51 SCO (mg/Kg)	OS-SS-23	OS-SS-24	OS-SS-99	OS-SS-25	OS-SB-25	OS-SS-26	OS-SS-27	OS-SS-28	OS-SS-100
Depth of Sample (inches)		**0-2**	**0-2**	**0-2**	**0-2**	**2-12**	**0-2**	**0-2**	**0-2**	**0-2**
Date Sampled		**06/24/2020**	**06/24/2020**	**06/24/2020**	**06/24/2020**	**06/24/2020**	**06/24/2020**	**06/24/2020**	**06/24/2020**	**06/24/2020**
EPA Method 8082A - PCB Compounds (mg/Kg)										
Aroclor 1016	**1**	ND<0.069	ND<0.94	ND<1.8	ND<4.3	ND<4.0	ND<3.9	ND<0.072	ND<0.075	ND<0.089
Aroclor 1221		ND<0.069	ND<0.94	ND<1.8	ND<4.3	ND<4.0	ND<3.9	ND<0.072	ND<0.075	ND<0.089
Aroclor 1232		ND<0.069	ND<0.94	ND<1.8	ND<4.3	ND<4.0	ND<3.9	ND<0.072	ND<0.075	ND<0.089
Aroclor 1242		ND<0.069	ND<0.94	ND<1.8	ND<4.3	ND<4.0	ND<3.9	ND<0.072	ND<0.075	ND<0.089
Aroclor 1248		0.26	**11**	**9.9**	**31**	**26**	**27**	ND<0.072	ND<0.075	0.86
Aroclor 1254		ND<0.069	ND<0.94	ND<1.8	ND<4.3	ND<4.0	ND<3.9	ND<0.072	ND<0.075	ND<0.089
Aroclor 1260		ND<0.069	ND<0.94	ND<1.8	ND<4.3	ND<4.0	ND<3.9	ND<0.072	ND<0.075	ND<0.089

NOTES:
All Concentrations Reported In Milligrams Per Kilogram (mg/kg or ppm)
SCO = Soil Cleanup Objective
ND< = Not detected at or above laboratory limit indicated.
Bold type indicates that compound exceeds NYSDEC CP-51 SCO

B Soil Boring Logs

SD01

WELL/BORING No. ~~SB-46~~

Page 1 of 1

CONTRACTOR		SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST	DB	ELEVATION	Datum
DATE	8/1/23 8/9/23	LOCATION COORDINATES	N / E
		TYPE OF DRILL RIG	Geoprobe / Hand Auger to 1'
		AUGER / CASING SIZE	
		SOIL SAMPLING METHOD	Hand tool/direct-push
		FINISHED TOTAL DEPTH	3'

WATER LEVEL DATA (CP)

DATE	TIME	WATER LEVEL	Stab. Time

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					@ 0-6" 14:09	0 - 12" Silty sand, Brown fine grained, dry, trace gravel, non cohesive
0.5					@ 6-12" 14:10	Hand augred to 1'
1					8/9/23	
1.5					12-24 @ 11:42	12-36 - SAND - Brown, dry to moist, fine grained, trace gravel, trace silt
2						
2.5					24-36 @ 11:44	
3						
3.5						
4						

Method of Completion / Backfill: Excess sample / Topsoil

Signature: [signature]

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB02

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST	DB	ELEVATION	Datum
DATE	8/2/23 8/9/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG	Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE	
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0-12" Silty SAND - Brown,
					@ 0-2" 14:19	Dry, fine grained, has Cohesive,
						trace gravel
0.5					@ 0-12" 14:20	
						Hand augred to 1'
1					8/9/23	
						12-36" SAND - Brown,
						fine grained, Dry,
1.5					12-24 @ 11:30	trace gravel.
2						
					24-36 @ 1132	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB03

Page 1 of 1

SUBCONTRACTOR LaBella Associates
DRILLER
GEOLOGIST DB
DATE 8/2/23 8/9/23

SITE NAME / LOCATION Loucks Road Extension Offsite
PROJECT No. EE1705007.0032
ELEVATION Datum
LOCATION COORDINATES N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT

TYPE OF DRILL RIG Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE
SOIL SAMPLING METHOD Hand tool/direct-push
FINISHED TOTAL DEPTH 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					@ 0-2" 13:58 MS/MSD	0-12" Silty Sand - fine grained, Brown, Dry, trace gravel, non cohesive
0.5					@ 6-12" 13:59	
						hand augred to 1'
1						
						12-36" - SAND - Brown, fine grained Dry to moist, trace gravel, little silt.
					12-24" @ 11:50	
1.5						
2						
					24-36" @ 11:52	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB04

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST	DB	ELEVATION	Datum
DATE	8/2/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT.

(GS)

TYPE OF DRILL RIG	Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE	
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					@ 0-2" 13:44	0-12" silty sand - Brown, dry, fine grained, non cohesive, few gravels,
0.5					@ 6-12" 13:45	Hand augred to 1'
1						12-36" - SAND - Brown,
					12-24 @ 13:08	some silt and clay, fine grained,
1.5					duplicate 13:12	moist, little gravel,
						some medium grained
					24-36@ 13:10	
2					duplicate 13:14	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample/Topsoil

Signature:

...ronment and environment
...engineering and geology, p.c.

WELL/BORING No. SB05

Page 1 of 1

SUPERVISING INSPECTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
OVERSIGHT		PROJECT No.	EE170007.0032
DRILLING CONTRACTOR	CiPorreca	ELEVATION	Datum
DRILLER	8-2-23, 8-9-23	LOCATION COORDINATES	N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT. (GR)

TYPE OF DRILL RIG	Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE	
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					0-2 @ 1154	0 - 12" reddish brown
					Duplicate 12:00	Fine-grained, moist
0.5					6-12 @ 1155	silty SAND, little
						SA-SR gravel
					12-24 @ 1120 (8/9)	12-36" Same as Above
1						
					24-36 @ 1122	
1.5						
2						
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB06

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST	DB, CP	ELEVATION	Datum
DATE	8/2/23, 8/9/23, 12/14/23	LOCATION COORDINATES	N / E
		TYPE OF DRILL RIG	Geoprobe // Hand Auger to 1'
		AUGER / CASING SIZE	
		SOIL SAMPLING METHOD	Hand tool/direct-push
		FINISHED TOTAL DEPTH	3'

WATER LEVEL DATA (CP)

DATE	TIME	WATER LEVEL	REF. PT.

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0-12" silty Sand - Brown,
					@ 0-6 13:34	Dry, organics to 4",
						fine grained, little gravels,
0.5					@ 6-12 13:35	Layer of gravels from 8-10"
						Hand augred to 1'
1					12-24 @ 1318 (8/9)	12-36" Reddish brown Fine-grained, moist silty SAND, trace SA- gravel
					24-36 @ 1320	
1.5						
					36-42 12/14/23 12:06	
2						
						40-44" - as above
2.5					40-47"	
					15:00	44-47" - gray, gravel, fill, above a storm drain,
3						
				12/14/23	48-54 12:08	48-66" SAND - Brown, fine to medium grained,
			7.9		54-60 12:16	loose, little gravel, Dry
3.5					60-66 12:17	trace silts.
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB07

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007 0032
GEOLOGIST	DB, CP	ELEVATION	Datum
DATE	8/8/23, 8/9/23	LOCATION COORDINATES	N / E
		TYPE OF DRILL RIG	Geoprobe / Hand auger to 1'
		AUGER / CASING SIZE	
		SOIL SAMPLING METHOD	Hand tool/direct-push
		FINISHED TOTAL DEPTH	3'

WATER LEVEL DATA (EP)

DATE	TIME	WATER LEVEL	REF. PT

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0-12" silty sand — reddish
					@ 0-6" 12:24	Brown, fine grained, Dry,
0.5						Little gravel,
					@ 6-12" 12:25	Hand augred to 1'
1						
					12-24@1330 (8/9)	12-36" Same as above,
						moist-wet, dense/compact
1.5					24-36@1332	
2						
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB08

Page 1 of 1

SUBCONTRACTOR LaBella Associates
DRILLER
GEOLOGIST C. Porreca, DB, KG
DATE 8-2-23, 8-9-23, 12/14/2023

SITE NAME / LOCATION Loucks Road Extension Offsite
PROJECT No. EE1705007.0032
ELEVATION Datum
LOCATION COORDINATES N / E

WATER LEVEL DATA (EB)

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE
SOIL SAMPLING METHOD Hand tool/direct-push
FINISHED TOTAL DEPTH 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0-12" reddish-brown fine-grained moist silty SAND and SA-SR gravel
					0-2@ 1144	
0.5					6-12@ 1145	
1						12-36" Sand - Brown, fine grained, little gravel, trace rocks, moist, little clay.
					12-24" @ 1338 MS/MSD (8/9)	
1.5						
2						
					24-36" @ 1340 MS/MSD	
2.5				0	36-42@ 1158 (12-14-23)	36-48 - As Above
					42-48@ 1200 (12-14-23)	48-52" - as above
3						
					48-52" 14:40	
3.5						
4						

Method of Completion / Backfill: Excess Sample / Top Soil

Signature:

WELL BORING No

Page

CONTRACTOR: LaBella Associates

SITE NAME: Lowes Road Extension Offsite

GEOLOGIST: DB

PROJECT No:

DATE: 8/2/23 8/9/23

FEATURE:

LOCATION / COORDINATES: N E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF PT

TYPE OF DRILL RIG: Geoprobe / Hand Auger

AUGER / CASING SIZE:

SOIL SAMPLING METHOD: Hand tool direct push

FINISHED TOTAL DEPTH: 3'

Depth (ft BGS)	SAMPLE INFORMATION: Core/SS No	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0-12" Silty SAND - reddish Brown, Dry, fine grained, gravels, FILL
					@0-2' 11:29	
0.5					@6-12" 11:30	Hand auger to 1'
1					8/7/23	
					12-24 @ 1348	12-36" Sand - reddish Brown, fine grained, some clay, few gravels, Dry,
1.5						
2					24-36 @ 1350	
				9/29/23		
2.5					43-48	
					14:23	43-48" Sand - as above, moist
3		12/14/23			48-54 - 11:42	48-54" - as above, moist
					54-60 11:44	54-72" SAND, reddish Brown, fine to coarse grained, Little gravel, Loose, Dry
3.5				0.6		
					60-66 - 11:46	
					66-72 - 11:48	
4						

Method of Completion / Backfill: Excess Sample/Topsoil

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB10

Page 1 of 2

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST	C. Porreca	ELEVATION	Datum
DATE	9/2/23, 9/29/23	LOCATION COORDINATES	N / E
		TYPE OF DRILL RIG	Geoprobe / HAND AUGER to 1'
		AUGER / CASING SIZE	
		SOIL SAMPLING METHOD	Hand tool/direct-push
		FINISHED TOTAL DEPTH	3'

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF PT

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
0					0-2@1119	0-12" reddish brown fine-grained, moist silty SAND and SA-SR gravel, fill
0.5					6-12@1120	
1						
					12-24" @ 13:36	12-36 SAND - Brown, fine grained, Layers of clay, few gravels, trace rocks, Dry, fill.
1.5						
2						
					24-36" @ 13:58	
2.5						Back fill to ~40"
3						
			9/29/23		42-48" 13:45	42-48" Clayey Sand, Brown, moist, some iron oxide staining, cohesive, some gravel, fine grained
3.5						
4						

Method of Completion / Backfill: Excess Sample

Signature:

WELL/BORING No. SB10

Page 2 of 2

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER	LaBella	PROJECT No	EE170007.0032
GEOLOGIST	KG	ELEVATION	Datum
DATE	12/14/2023	LOCATION COORDINATES	N E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF PT

(KG)

TYPE OF DRILL RIG	Geoprobe
AUGER / CASING SIZE	3.25
SOIL SAMPLING METHOD	Hand tool/direct push
FINISHED TOTAL DEPTH	6 ft = 72 in

Depth (ft BGS)	SAMPLE INFORMATION: Core SS No	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
3.5						
4				0.2	48-54@1150	48-60 Clayey Sand Brown, Moist, Fine grained, Non-cohesive, Little gravel
4.5				0	54-60@1152	
5				0.1	60-66@1154 Hold	60-72 ~~Sandy Gravel~~ (KG) Poorly Graded sand with gravel Dry, Brown, Fine grained, Some ~~small~~ Small gravel, Loose.
5.5				0.1	66-72@1156 Hold	
6						
6.5						
7						

Method of Completion / Backfill: Top Soil

Signature: Kevin Gorski

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB11

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST	C. Porreca	ELEVATION	Datum
DATE	8-2-23, 8-9-23, 12/14/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REMARKS

TYPE OF DRILL RIG	Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE	
SOIL SAMPLING METHOD	Hand tool/direct-push / H
FINISHED TOTAL DEPTH	3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					0-2 @ 1054	0-12" reddish brown fine-grained, moist silty SAND and SA-GR gravel, fill
0.5					6-12 @ 1055	
					12-24 @ 1402 (8/9)	12-36" Same as above
1					24-36 @ 1404	
1.5						
2						Back fill and saturated clay cuttings to 46"
			8/29/23		47-51" 13:30	
2.5						47-51" - Clayey sand, Dry, some gravel, cohesive some iron oxide staining.
3						
	12/14/23				48-54" 11:34	48-72" SAND, reddish Brown, fine to some course grains, few gravels, few clays, Dry
3.5					54"-60 11:36	
					60-66"- 11:38	
					66"-72" 11:40	
4						

Method of Completion / Backfill: Excess Sample

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB12

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST	C. Porreca, DB	ELEVATION	Datum
DATE	8-2-23 8/9/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF GS

TYPE OF DRILL RIG	Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE	
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					Φ-2@1029	Φ - 12" reddish brown fine grained silty SAND w/SA gravel, moist
					6-12@1030	
0.5						
1					8/9/23	
					12-24 @ 11:15	12-36" SAND - fine grained, Brown, Dry to moist, soft, Little gravel, Little clay.
1.5						
2					24-36 @ 11:17	
			8/9/23		42-48"	
2.5					12:45	
3					48-54" - 12:54	54
					~~42-48"~~	42-~~48~~" Clay, Brown, moist, medium Plasticity, cohesive, Little gravel.
			~~8/9/23~~		54-60" - 12:54	
3.5					12:45	54" - 72" - SAND, reddish Brown, fine to medium grained, Loose, moist, Tr gravel.
					60-66" - 12:56	66-72" as above, Coarse Sand as well, wet, some gravel.
					66-72" - 1258	
4						

Method of Completion / Backfill: Excess sample

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB13

Page 1 of 2

SUBCONTRACTOR LaBella Associates
DRILLER
GEOLOGIST C. Porreca, DB
DATE 8/2/23, 8/9/23, 9/29

SITE NAME / LOCATION Loucks Road Extension Offsite
PROJECT No. EE1705007.0032
ELEVATION Datum
LOCATION COORDINATES N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG Geoprobe
AUGER / CASING SIZE
SOIL SAMPLING METHOD Hand tool/direct-push / Hand Auger to 1'
FINISHED TOTAL DEPTH 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0-12" reddish brown fine-grained, moist silty SAND w/SA-SR gravel
					@ 0-2" 10:44	
0.5					@ 6-12" 10:45	
1					8/9/23	
					12-24 @ 14:08	12-36" SAND - Brown, fine grained, some gravel, Pieces of clay, FILL, Little silt
1.5						
2					24-36 @ 14:10	
2.5						
3					49-52"	49-52" Brown, ~~Stone~~ Clayey sand, cohesive, moist, gravel,
		9/29/23			13:05	
3.5						Sample collected but auger not decloned so was BACK FILL cleaned.
4						

Method of Completion / Backfill: Excess Sample

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB13

Page 2 of 2

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER	LaBella	PROJECT No.	EE170507.0032
GEOLOGIST	KG	ELEVATION	Datum
DATE	12/14/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT

TYPE OF DRILL RIG	Geoprobe
AUGER / CASING SIZE	3.25
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	6.5ft

Depth (ft BGS)	SAMPLE INFORMATION: Core SS No	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
3.5				0	42-48@1124	~~42-48~~ (KG)
						42-78 Brown ~~Sandy~~ (KG) Poorly graded sand with Gravel, Dry, Fine grained with ~~GP Grav~~ (KG) ~~Litt~~ Trace silt,
4'					48-54@1126	Gravel Coarse from 54-78
4.5				0	54-60@1128	
5'					60-66@1130	
					Hold	
5.5				0	66-72@1132	
					Hold	
6'					72-78@1133	
					Hold	
6.5						

Method of Completion / Backfill: Top Soil

Signature: Kevin Hunter

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB14

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No	EE1705007.0032
GEOLOGIST	C. Porreca	ELEVATION	Datum
DATE	8-2-23, 8-9-23 12/14	LOCATION COORDINATES	N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT.
			TOP

TYPE OF DRILL RIG: Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE:
SOIL SAMPLING METHOD: Hand tool/direct-push
FINISHED TOTAL DEPTH: 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					0-2 @ 1015	0-12" Reddish brown fine-grained silty SAND and SA gravel, mo. St
					6-12 @ 1016	
0.5						
					12-24 @ 1108 (8/9)	12-36" Same as above + SA-SR gravel
1						
					24-36 @ 1110	
1.5						
					38-47" 11:20	
2						
						38-48" Brown, clay moist, cohesive, some gravel, Low-medium plasticity
2.5			9/29/23		42-48" 11:25	
	12/14/23					
					48-54 13:00	48-66" SAND - Brown, red in parts, fine to medium grained, some decreasing clay with depth from little to few clay, Little gravels, moist.
3					54-60 13:02	
3.5					60-66 13:04	
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature:

ecology and environment
engineering and geology, p.c.

SB15

Page 1 of 1

SUBCONTRACTOR LaBella Associates
DRILLER
GEOLOGIST C. Porreca / Drew Bellinger 9/29
DATE 8-2-23 8/9/23

SITE NAME / LOCATION Loucks Road Extension Offsite
PROJECT No. EE1705007.0032
ELEVATION Datum
LOCATION COORDINATES N / E

WATER LEVEL DATA (8) 12/14/23

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE
SOIL SAMPLING METHOD Hand tool/direct-push
FINISHED TOTAL DEPTH 3'

Depth (ft. BGS)	Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
	~~To Sample~~					
	12/14/23					
					0-2@940	0-12" reddish brown fine-grained poorly sorted silty SAND w/ SA gravel, moist
0.5	0-12	10:46			6-12@940	
					duplicate @ 9:46	
	12-24	10:48				
1					0-2@1433	12-36" same as above
	24-36	10:50			8/9 duplicate 14:31	
1.5	36-48	10:52			6-12@1435	*Resampled on 8/9* - Moved location closer to road as OG was too far onto Bowers's property
					12-24@1437	
2	48-54	10:54			24-36@1439	
	54-60	10:56				39"-48" Clay, reddish Brown, cohesive, dry, low plasticity, Little gravel.
2.5					39-42 10:35	
	60-66	10:58				
3						
	66-72	11:00	9/29/23		42-48 10:38	48-66" - Clayey SAND, reddish Brown, fine grained, cohesive, moist, Little gravel w/ rocks
3.5	72-78	11:02				66"-78" - SAND, Brown, fine grained, loose, Dry, Little gravel,
4						

Method of Completion / Backfill: Excess Sample

Signature:

ecology and environment
engineering and geology, p.c.

SB/6

Page 1 of 1

SUBCONTRACTOR: LaBella Associates
DRILLER:
GEOLOGIST: L. Porreca, DB
DATE: 8/2/23 8/9/23

SITE NAME / LOCATION: Lourdes Road Expansion / Utica
PROJECT No.: [illegible]
ELEVATION: _____ Datum: _____
LOCATION COORDINATES: N / E

WATER LEVEL DATA (CP)

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG: Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE:
SOIL SAMPLING METHOD: Hand tool/direct-push
FINISHED TOTAL DEPTH: 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					D-2@959	0-12" Reddish brown fine-grained silty SAND, little SA gravel, moist
0.5					6-12@1000	
1					8/9	
					D-24@1100	12-36" - SAND, reddish Brown fine grained to medium, some gravel, fill, rocks, little silt
1.5						
2						
					24-36@1100	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: EXCESS SAMPLE

Signature: [signature]

ecology and environment
engineering and geology, p.c.

SB17

Page 1 of 1

SUBCONTRACTOR: LaBella Associates
DRILLER:
GEOLOGIST: C. Rocco
DATE: 8/2/23

SITE NAME / LOCATION: Lackawanna Former Electric Office
PROJECT No.: EE110607.0012
ELEVATION: Datum:
LOCATION COORDINATES: N ' E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT.

8/9/23

TYPE OF DRILL RIG: Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE:
SOIL SAMPLING METHOD: Hand tool/direct-push
FINISHED TOTAL DEPTH: 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					Ø-2 @ 909	Ø-12 reddish brown silty SAND w/ SA gravel fine grained, poorly sorted. moist
0.5					6-12 @ 910	
						12-15" Gray SA gravel with silty sand
1						-15-36" Same as Ø-12" interval
					8/9/23	
1.5					12-24 @ 1450	
2						
					24-36 @ 1452	
						42-48" Same as 0-12" 54 more gravely
2.5						
			8/29/23		42-48" 10:18	
3						54 48- 66" SAND- Reddish Brown fine-med grained, moist, soft, few Clay
			9/14/23		48-54 10:38	
					54-60 1040	66"-72" - reddish Brown, gravely SAND, fine-medium grained, wet, little clay, cohesive.
3.5					60-66 1042	
					66-72 10:44	
4						

Method of Completion / Backfill: Excess sample

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB 1D

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST	AB	ELEVATION	Datum
DATE	8/1/23 8/9/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA (CP)

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG	Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE	
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0-6" Silty SAND - Brown,
					@ 0-2" 13:59	Poorly Sorted, few gravels,
					Duplicate 14:05	non cohesive Dry
0.5						6-12" clayey SAND - reddish Brown
					@ 6-12" 14:00	Poorly Sorted, Some gravels,
						Dry, non cohesive,
1						Hand augred to 1'
					8/9/23	
						12-36" - fill, Dark Brown,
						Sand, fine grained, gravel,
1.5					12-24 @ 10:20	Little Silt, Little Clay.
2						
					24-36 @ 10:22	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample/Topsoil

Signature:

ecology and environment
engineering and geology, p.c.

SB19
1 of 1

SUBCONTRACTOR: Leidelia Associates
DRILLER:
GEOLOGIST: DB, CP
DATE: 8/1/23, 8/9/23

SITE NAME / LOCATION: Lancaster Airport Property - Utility
PROJECT No: [illegible]
ELEVATION: Datum:
LOCATION COORDINATES: N E

WATER LEVEL DATA (CP)

DATE	TIME	WATER LEVEL	REF PT

TYPE OF DRILL RIG: Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE:
SOIL SAMPLING METHOD: Hand tool/direct-push
FINISHED TOTAL DEPTH: 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0-6" Silty Sand - Brown, organics,
					@ 0-2" 14:14	Poorly Sorted, non cohesive, Dry,
						trace fine gravels, fine grained
0.5						6-12" gravely silt - Reddish Brown,
					@ 6-12" 14:15	non cohesive, fine sand fill,
						dry, sandy
						Hand auggred to 1'
1						
					12-24 @ 10°4 (8/9)	12-36" Reddish brown, moist,
						very fine-grained silty SAND
1.5					24-36 @ 10°6	
2						
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature:

ecology and environment
engineering and geology, p.c.

SB20

SUBCONTRACTOR: LaBella Associates
DRILLER:
GEOLOGIST: DB, CP
DATE: 8/1/23, 8/9/23

SITE NAME / LOCATION:
PROJECT No.: [illegible]
ELEVATION: Datum:
LOCATION COORDINATES: N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG: Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE:
SOIL SAMPLING METHOD: Hand tool/direct-push
FINISHED TOTAL DEPTH: 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					@ 0-2" 14:24	0-12" Silty SAnd - Brown to reddish brown at 6", fine grained, no organics from 0-4" trace gravels.
0.5					@ 6-12" 14:25	Hand augred to 1'
1					12-24" @ 951 (8/9)	12-36" Reddish brown silty SAND, moist, some - trace SA-SR gravel
1.5					24-36" @ 953	
2						
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING # SB21

Page 1 of 1

SUBCONTRACTOR LaBella Associates
DRILLER
GEOLOGIST DB
DATE 8/1/23 – 8/9/23

SITE NAME / LOCATION Loucks Road Extension Offsite
PROJECT No. EE170007.0032
ELEVATION Datum
LOCATION COORDINATES N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE
SOIL SAMPLING METHOD Hand tool/direct-push
FINISHED TOTAL DEPTH 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					@ 0-2" 14:39	Silty sand – Brown to reddish brown at 6", fine grained, trace gravel, poorly sorted, organics to 4"
0.5					@ 6-12" 14:40	Hand augred to 1'
1					SB9	
1.5					12-24 @ 9:40	12-36" – SAND, brownish red, fine grained, moist,
2					24-36 @ 9:42	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature:

energy and environment
engineering and geology, p.c.

WELL/BORING No. SB-2

Page 1 of 1

SUBCONTRACTOR LaBella Associates
DRILLER
GEOLOGIST DB
DATE 8/1/23 8/9/23

SITE NAME / LOCATION Loucks Road Extension Offsite
PROJECT No EE1705007.0032
ELEVATION Datum
LOCATION COORDINATES N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT

TYPE OF DRILL RIG Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE
SOIL SAMPLING METHOD Hand tool/direct-push
FINISHED TOTAL DEPTH 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					@ 0-2" 14:43	0-6" - Silty Sand - Brown, fine grained, low cohesive, Dry, organics, Poorly graded,
0.5					@ 6-12 14:50	6-12" SAND - reddish Brown, some Silt, fine grained, trace gravel, poorly sorted
1					8/9/23	Hand augred to 1'
1.5					12-24 @ 10:10	12-36 - SAND - reddish Brown, fine grained, Moist, trace gravel
2					24-36 @ 10:12	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample/Topsoil

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB-13

Page 1 of 1

SUBCONTRACTOR	LaBella Associates
DRILLER	
GEOLOGIST	DB, CB
DATE	8/1/23, 8/9/23
SITE NAME / LOCATION	Loucks Road Extension Offsite
PROJECT No	EE1705007.0032
ELEVATION	Datum
LOCATION COORDINATES	N / E
TYPE OF DRILL RIG	Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE	
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	3'

WATER LEVEL DATA (4)

DATE	TIME	WATER LEVEL	REF. PT.

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
0					@ 0-2" 15:04	0-12" Silty Sand - Brown, fine grained, poorly graded, low cohesive, dry, organics to 4".
0.5					@ 6-12" 15:05 MS/MSD	
1					12-24 @ 930 (8/9)	12-29" Lt. brown/gray-brown moist, fine-grained silty SAND and SA gravel
1.5					24-36 @ 932	~29-36" reddish brown moist, cohesive clayey SAND and SA gravel
2						
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB24

Page 1 of 1

SUBCONTRACTOR	LaBella Associates
DRILLER	
GEOLOGIST	DB, LP
DATE	8/1/23, 8/9/23, 8/29, 12/14
SITE NAME / LOCATION	Loucks Road Extension Offsite
PROJECT No.	EE1705007.0032
ELEVATION	Datum
LOCATION COORDINATES	N / E
TYPE OF DRILL RIG	Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE	
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	3'

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT.

Depth (ft. BGS)	Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					@ 0-2" 15:29	0-6" silty sand - Brown, fine grained, low cohesive, dry poorly graded, organics
0.5					@ 6-12" 15:30	6-12" SAND - reddish Brown, fine grained, poorly sorted, some silt, gray clay pices at 10", Hand augred to 1'
1					8/9/23	
					12-24 @ 9:00	
1.5						12-36" - fill - clay parts, reddish Brown, sandy, asphalt pieces, Blackish gray, Dry to moist more fill from 24-36"
2						
					24-36 @ 9:07	38"-42" - Brown, clay, gravel, fill, low cohesive low plasticity refusal at 42"
2.5						
		9/29/23			38-42" 9:56	
3					42-48 10:18	
					48-54 10:20	42" - 60" SAND - Brown to gray at 54" fine grained, Little gravel, fine to coarse rocks, few silts,
3.5						
					54-66 10:22	
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature: DJR

SBDS

Page 1 of 1

SUBCONTRACTOR: LaBella Associates

DRILLER:

GEOLOGIST: DB

DATE: 8/1/23 8/8/23

SITE NAME / I.D.: Lyons Road Transfer Station

PROJECT No.: EP17S6C7.0070

ELEVATION: from

LOCATION COORDINATES: N / E

TYPE OF DRILL RIG: Geoprobe / Hand Auger to 1'

AUGER / CASING SIZE:

SOIL SAMPLING METHOD: Hand tool/direct-push

FINISHED TOTAL DEPTH: 3'

WATER LEVEL DATA (CR)

DATE	TIME	WATER LEVEL	REF. PT.

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					@ 0-2 13:34	0-6" Clayey silt - Brown, moist non cohesive, trace gravel
0.5					@ 6-12 13:35	6-12" Clayey sand - reddish Brown, Dry, poorly sorted, non cohesive ~~fine~~ fine grained
						Hand augred to 1'
1					8/8/23	
				5.4		12-24" - Clayey gravel,
1.5					12-24 @ 14:30	Dark grey and reddish, fill, moist, red clay bits mixed with fine sand and gravels.
2						
					no recovery	24-36" - no recovery
2.5			8/29/23			
					24-36" 15:00	Hand auger - gravel, CRI, fill, hear a PVC utility
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature:

ecology and environment, engineering and geology, p.c.

SB26

page 1 of 1

SUBCONTRACTOR: LaSalle Associates
DRILLER:
GEOLOGIST: DB
DATE: 7/31/23, 8/9/23

SITE NAME / LOCATION: Louise Slade Education Center
PROJECT No.: EE17052.07.0002
ELEVATION: Datum:
LOCATION COORDINATES: N / E

WATER LEVEL DATA (GP)

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG: Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE:
SOIL SAMPLING METHOD: Hand tool/direct-push
FINISHED TOTAL DEPTH: 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					@ 0-2 14:09	Silty Clay – moist, cohesive
						Low Plasticity, rock at 2",
0.5						trace gravel from 6-12"
					@ 6-12 14:10	Hand augred to 1'
1						
						12-36" Clay – reddish Brown,
					12-24 @ 8:30	low-medium Plasticity, Dry, Hard,
1.5					MS/MSD	trace gravel, little silt
2						
					24-36 @ 8:32	
					MS/MSD	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample/Topsoil

Signature:

SB 27

1 of 1

DRILLER

GEOLOGIST DB

DATE 8/1/23 8/8/23

WELL / BORING #

PROJECT #

ELEVATION

LOCATION COORDINATES N E

TYPE OF DRILL RIG Geoprobe / Hand Auger to 1'

AUGER / CASING SIZE

SOIL SAMPLING METHOD Hand tool/direct push

FINISHED TOTAL DEPTH 3'

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. (ft)

(DB)

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					0-2" 13:29	0-6" Clayey silt - Brown, sandy, low cohesive, dry, trace gravel.
0.5					6-12" 13:30	6-12" Clayey Sand - reddish Brown, fine grained, Dry, low cohesive, ~~trace gravel~~ Poorly sorted, few grey clay BTS
1					8/8/23	Hand augred to 1'
1.5					12-24" 1410	12-36" - Clay - Brownish red, Low to medium plasticity, Dry, Hard, Little sand, trace gravel
2						
					24-36" @ 1412	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature: [signature]

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB28

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST	C. Porreca, DB	ELEVATION	Datum
DATE	8/1/23 / 8/8/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF PT.

TYPE OF DRILL RIG	Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE	
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					0-2 @ 1134	0-6" Med. brown, moist silty SAND, organics (roots) rich, trace SA gravel
					6-12 @ 1135	6-12" reddish brown w/gray clayey SAND, moist, some SA-GR gravel
0.5						
1					12-24 @ 13:50	12-36" Clay – reddish Brown, Dry, medium plasticity, trace gravel, little sand
1.5						
2					24-36 @ 13:52	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB29

Page 1 of 1

SUBCONTRACTOR LaBella Associates
DRILLER
GEOLOGIST C. Porreca
DATE 7/31/23, 8/8/23

SITE NAME / LOCATION Loucks Road Extension Offsite
PROJECT No. EE1705007.0032
ELEVATION Datum
LOCATION COORDINATES N / E

WATER LEVEL DATA (GS)

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG Geoprobe / Hand Augered to 1'
AUGER / CASING SIZE
SOIL SAMPLING METHOD Hand tool/direct-push
FINISHED TOTAL DEPTH 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					13:54	
					@ 0-2 ~~14:02~~	Clayey Silt - moist,
						trace gravel from 2"-12",
0.5						high plastic, cohesive
					13:55	
					@ 6-12 ~~14:10~~	Hand augred to 1'
1						
					12-24 @1348 (8/8)	12-36" Lt.-med. brown, slightly
						reddish brown Sandy lean
1.5					24-36@1350	CLAY, some SA-SR gravel
2						
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature:

ecology and environment
engineering and geology, p.c.

SB30

Page 1 of 1

SUBCONTRACTOR: LaBella Associates
DRILLER:
GEOLOGIST: C. Porreca
DATE: 8/1/23, 8/8/23

SITE NAME / LOCATION: Loucks Road Extension Culvert
PROJECT No: SE1705007.0032
ELEVATION: _____ Datum _____
LOCATION COORDINATES: N / E

WATER LEVEL DATA (ft)

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG: Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE:
SOIL SAMPLING METHOD: Hand tool/direct-push
FINISHED TOTAL DEPTH: 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					0-2 @ 1109	0-6" Med. brown w/reddish tint silty SAND, moist, some SA-SR gravel
					6-12 @ 1110	6-12" Reddish brown, compact clayey SAND, little SA gravel
0.5						-Hand Augered to 1'
1					12-24 @ 1336 (8/8)	12-36" Reddish brown compact clayey SAND, some SA gravel
1.5					24-36 @ 1338	
2						
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample

Signature: [signature]

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB31

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST	C. Porreca, DB	ELEVATION	Datum
DATE	8-1-23 8/8/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF PT

TYPE OF DRILL RIG: Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE:
SOIL SAMPLING METHOD: Hand tool/direct-push
FINISHED TOTAL DEPTH: 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					SB-2 @ 1059	0-6" Med. brown moist silty SAND, little SA gravel
					6-12 @ 1100	6-12" reddish brown moist clayey SAND, some SA-SR gravel
0.5						- Hand Augered to 1'
1					8/8/23	
					12-24 @ 13:28	12-36" Clay - reddish Brown, Dry, Hard, medium Plasticity, trace gravel
1.5						
2						
					24-36 @ 13:30	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess SAMPLE

Signature:

ecology and environment
engineering and geology, p.c.

SB #2

PAGE 1 of 1

SUBCONTRACTOR: LaMela Associates
DRILLER:
GEOLOGIST: DB
DATE: 8/1/23 8/8/23

SITE NAME / LOCATION: Loucks Road Extension Offsite
PROJECT No.: EE170007.0032
ELEVATION: Datum:
LOCATION COORDINATES: N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT. (GP)

TYPE OF DRILL RIG: Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE:
SOIL SAMPLING METHOD: Hand tool/direct-push
FINISHED TOTAL DEPTH: 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0-4" Clayey silt - Brown, dry,
					@ 0-2" 10:49	non cohesive, non plastic,
0.5						4-12" Clayey silt - reddish brown,
					@ 6-12" 10:50	dry, non cohesive, non plastic,
						few bits of gray clay
1						Hand augred to 1'
					8/8/23	
						12-36" Clay - reddish brown,
1.5			100%	5.1	12-24 @ 13:18	Mottled gray clay to 20",
						hard, dry, medium plasticity,
						trace gravel, little silt
2			100%	5.3	24-36 @ 13:20	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature: CDR

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB33

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No	E21705007.0032
GEOLOGIST	DB	ELEVATION	Datum
DATE	8/1/23 8/8/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA (SP)

DATE	TIME	WATER LEVEL	REF. PT

TYPE OF DRILL RIG	Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE	
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					@ 0-2" 10:39	0-4" Clayey Silt - Brown, cohesive, moist, low plastic,
0.5						4"-12" Clayey Silt - reddish Brown few bits of grey clay, Dry, low cohesive, low plastic
					@ 6-12" 10:40	Hand augers to 1'
1					8/8/23	
					12-24 @ 13:10	12-36" Clay - Brown and gray to 20" then reddish Brown, little Sand, Hard, medium plasticity, trace gravel, Dry
1.5						
2					24-36 @ 13:12	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample/Topsoil

Signature:

ecology and environment
engineering and geology, p.c.

BORING/WELL NO. SB34

Page 1 of 1

SUBCONTRACTOR LaBella Associates
DRILLER
GEOLOGIST DB, CP
DATE 8/1/23, 8/8/23, (CP)

SITE NAME / LOCATION Loucks Road Extension Offsite
PROJECT No. EE1705007.0032
ELEVATION Datum
LOCATION COORDINATES N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE
SOIL SAMPLING METHOD Hand tool/direct-push
FINISHED TOTAL DEPTH 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					@ 0-2" 10:24	0-4" Clayey silt - Brown, cohesive moist, non Plastic, trace gravel
0.5						4"-12" Clayey silt - reddish Brown, few Bits of gray clay, non cohesive, Dry, non-Plastic,
					@ 6-12 10:25	Hand augred to 1'
1						
					12-24 @ 1302 (8/8)	12-36" Light brown/gray-brown + reddish brown silty lean CLAY, little SA gravel
1.5					24-36 @ 1304	
2						
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature:

ecology and environment
engineering and geology, p.c.

Boring No. SB35

Page 1 of 1

SUBCONTRACTOR LaBella Associates
DRILLER
GEOLOGIST DB
DATE 8/1/23 8/8/23

SITE NAME / LOCATION Loucks Road Extension Offset
PROJECT No. EE1705007.0032
ELEVATION Datum
LOCATION COORDINATES N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE
SOIL SAMPLING METHOD Hand tool/direct-push
FINISHED TOTAL DEPTH 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					@ 0-2" 10:04	0-4" ~~Blown~~ Clayey Silt -
					Duplicate 10:10	Brown, cohesive, moist,
0.5						non plastic, trace gravels
						clayey silt -
					@ 6-12" 10:05	4"-12" reddish Brown, ~~spots~~ few
						few spots of gray clay, non cohesive,
1						Dry, non plastic.
					8/8	Hand augred to 1'
1.5					12-24 @ 12:05	12-36" Clay, ~~Brown~~ and gray
						to 30" then reddish Brown,
						Hard, medium plasticity,
2						some sand.
					24-36 @ 12:07	
2.5						
3						
3.5						
4						

Method of Completion / Backfill Excess Sample / Topsoil

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BOREHOLE NO. SB36

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST	DB	ELEVATION	Datum
DATE	8/2/23 8/8/23	LOCATION COORDINATES	N / E
		TYPE OF DRILL RIG	Geoprobe / Hand Auger to 1'
		AUGER / CASING SIZE	
		SOIL SAMPLING METHOD	Hand tool/direct-push
		FINISHED TOTAL DEPTH	3'

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF PT GP

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					@ 0-2" 15:19	0-6" Silty Sand - Brown, Some Clay, Little gravel, Dry, non cohesive
0.5					@ 6-12 15:20	6-12" Clayey Sand - Reddish Brown dry, non cohesive, trace gravel Little Bits of gray Clay
1						Hand augred to 1'
					8/8/23	
					@ 12-24 11:55	12-36" Clay - Brown and
1.5					Duplicate 11:59	gray, Hard, Dry, medium plasticity, Some sand, trace gravel
2						
					@ 24-36 11:57	
2.5					Duplicate 11:60 Hold	
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature: DB

ecology and environment
engineering and geology, p.c.

SB37

SUBCONTRACTOR: LaBella Associates
DRILLER:
GEOLOGIST: C. Porreca
DATE: 8/1/23, 8/8/23

SITE NAME / LOCATION: Loyola Roman Catholic
PROJECT No: E61705007.0002
ELEVATION: Datum:
LOCATION COORDINATES: N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	(ft. BGS)

TYPE OF DRILL RIG: Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE:
SOIL SAMPLING METHOD: Hand tool/direct-push
FINISHED TOTAL DEPTH: 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					0-2 @ 944	0-6" Med. brown silty sand, moist, non-cohesive, some SA gravel
					6-12 @ 945	6-12" Gray-brown / reddish clayey sand, moist, non-cohesive-cohesive, some SA-SR gravel
0.5						
1						Hand auger to 1'
					12-24 @ 1150	12-36" lt. brown/gray-brown w/some reddish-brown compressed silty SAND w/some SA gravel
1.5					24-36 @ 1152	
2						
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature:

ecology and environment
engineering and geology, p.c.

SB38

SUBCONTRACTOR: LaBella Associates
DRILLER: DB
GEOLOGIST: 8/8/23
DATE: 7/31/23 8/8/23

SITE NAME / LOCATION: [illegible] Solution Drive
PROJECT NO.: E617057.0002
ELEVATION: Datum:
LOCATION COORDINATES: N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG: Geoprobe / Hand Auger tol
AUGER / CASING SIZE:
SOIL SAMPLING METHOD: Hand tool/direct-push
FINISHED TOTAL DEPTH: 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					@ 0-2" 13:44	0-12" Clayey silt - cohesive, moist, low plastic, trace gravel from 2"-12"
0.5					@ 6-12" 13:45	
						Hand augred to 1'
1					8/8	
					@ 12-24" 11:31	12-36" Clay - Brown, Hard, medium Plasticity, dry, mottling green clay,
1.5						
2					@ 24"-36" 11:33	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB10

Page ___ of ___

SUBCONTRACTOR N/A
DRILLER
GEOLOGIST C. Porreca
DATE 8/1/23 8/8/23

SITE NAME / LOCATION Loucks Road Extension Offsite
PROJECT No. EE1705007.0032
ELEVATION ___ Datum ___
LOCATION COORDINATES N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	TOC or GS

TYPE OF DRILL RIG ~~Geoprobe~~ Hand Auger to 1'
AUGER / CASING SIZE
SOIL SAMPLING METHOD Hand tool/direct-push
FINISHED TOTAL DEPTH 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					0-2@ 914	0-8" Med. brown Non-cohesive silty sand, moist, little SA-SR gravel
					6-12@ 915	8-12" Gray brown sandy lean clay, moist-dry, some SA-SR gravel
1					8/8	Hand auger to 1'
					@ 12-24 1140	12-36 Clay, gray to Black, Dry, Hard, medium Plasticity, trace rocks, trace iron oxide Staing.
2					@ 24-36 1142	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample

Signature:

ecology and environment
engineering and geology, p.c.

Well/Location No. SB40

Page 1 of 1

SUBCONTRACTOR: LaBella Associates
DRILLER:
GEOLOGIST: DB
DATE: 7/31/23 8/8/23

SITE NAME / LOCATION: Loucks Road Extension Offsite
PROJECT No.: EE1705007.0032
ELEVATION: ____ Datum ____
LOCATION COORDINATES: N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG: Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE: Hand
SOIL SAMPLING METHOD: Hand tool/direct-push
FINISHED TOTAL DEPTH: 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					@ 0-12 13:20	0-12" Clayey Silt, Cohesive, moist, Non to Low Plastic, few gravel from 1" to 1/2", iron oxide staing from 4 to 5"
0.5					@ 6-12 13:21	Hand augred to 1'
1					8/8/23 @ 12-24 1120	12-36" Clay, gray to Brown, Hard, Medium Plasticity, Dry, trace gravel, Mechanically disturbed, some Silt, softer with DEPTH
1.5						
2					@ 24-36 1122	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB41

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST	DB CP	ELEVATION	Datum
DATE	8/1/23, 8/8/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT

TYPE OF DRILL RIG	Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE	
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					@ 0-2 9:04	0-12" Clayey Silt – Brown, cohesive moist to Dry at 4", trace rocks at 6 to 12" non plastic.
0.5					@ 6-12 9:05	
					12-24@1050 (8/8)	12-24" Light/gray brown + reddish brown compact clayey SILT, little SA gravel
1					24-36@1052	24-36" Light/gray brown compact clayey SAND, trace SA gravel
1.5						
2						
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / topsoil

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB 42

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST	DB, CP	ELEVATION	Datum
DATE	7/31/23, 8/8/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA (CP)

DATE	TIME	WATER LEVEL	REF. PT

TYPE OF DRILL RIG	Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE	
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					@ 0-2" 14:49	0-12" Clayey Silt, - Blows Cohesive, has - Plastic, organic trace gravel from 6-12"
0.5					@ 6-12" 14:50 Duplicate - 15:00	Hand augred to 1'
1					12-24 @ 11:05 (8/8)	12-28" Med. brown/reddish brown sandy lean CLAY, little SA gravel
1.5					24-36 @ 11:07	28-36" lt./gray-brown compact clayey SAND, little SA gravel
2						
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature: CP

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB43

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST	DB	ELEVATION	Datum
DATE	7/31/23 8/8/23, 9/27, 12/12	LOCATION COORDINATES	N / E
		TYPE OF DRILL RIG	Geoprobe / Hand Auger to 1'
		AUGER / CASING SIZE	
		SOIL SAMPLING METHOD	Hand tool/direct-push
		FINISHED TOTAL DEPTH	3'

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF PT

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0-12" clayey silt - Brown, cohesive,
					@ 0-2 1644	Dry, non Plastic, some gravels
0.5					@ 6-12 1645	
						Hand augred to 1'
1					8/8	
					@ 12-24 10:40	12-24" - Clay, Brown,
						medium Plasticity, Dry,
1.5						trace rocks
2					@ 24-36 10:42	
						24"- 36" as above,
						has a Black like
2.5						asphat sandy texture
						mixed in, (FILL)
3						
			9/27/23		40-48"	40-48" Gravel, sandy
					16:35	wet, fill
3.5						60-66 - as above
			12/12/23			
					60-66" 10:28	72"- 78" = Silt Stone, Competent
						Dry, firm, little sand.
4					72-78" 10:30	

Method of Completion / Backfill: Excess Sample/Topsoil

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB44

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST	DB, CP	ELEVATION	Datum
DATE	7/31/23, 8/8/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG	Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE	
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					@0-2 15:04	2 Layey Silt – Brown, Dry to moist Cohesive, low - Plastic, few gravels from 6-12"
0.5					@ 6-12 15:05	Hand augred to 1'
1					12-24 @ 1020 (8/8)	12-36 reddish-brown, moist, Sandy (few) CLAY, little SA-SR gravel
					24-36 @ 1022	
1.5						
2						
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess sample / Top Soil

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB-45

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No	EE1705007.0032
GEOLOGIST	DB	ELEVATION	Datum
DATE	7/31/23 / 8/8/23	LOCATION COORDINATES	N / E
		TYPE OF DRILL RIG	Geoprobe / Hand Auger to 1'
		AUGER / CASING SIZE	
		SOIL SAMPLING METHOD	Hand tool/direct-push
		FINISHED TOTAL DEPTH	3'

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT.

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					@ 0-2" 16:34	0-5" Clayey silt, Brown, Cohesive, non-Plastic, trace gravel starting at 4"
0.5		Hand	augered		@ 6-12" 16:35	5"-12" Silty sand - reddish Brown, slightly cohesive, few gravels, little clay, Hard
1				to 1'	8/8	
					@ 12-24 9:20	12-36" gray, Clay Stone / clay, mechanical fractured, Dry, medium Plasticity, some rocks
1.5			100			
2						
			100		@ 24-36 9:22	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB-46

Page 1 of 1

SUBCONTRACTOR	~~LaBella Associates~~ N/A (LaBella)	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER	N/A	PROJECT No.	EE1705007.0032
GEOLOGIST	C. Porreca, DB	ELEVATION	Datum
DATE	7/31/23 8/8/23	LOCATION COORDINATES	N / E
		TYPE OF DRILL RIG	~~Geoprobe~~ Hand Auger to 1'
		AUGER / CASING SIZE	
		SOIL SAMPLING METHOD	Hand tool/direct-push
		FINISHED TOTAL DEPTH	3'

WATER LEVEL DATA (8)

DATE	TIME	WATER LEVEL	REF. PT.

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					0-2 @ 1524	0-2" med. brown clayey silt, moist, non-cohesive, little sub-angular gravel
0.5					6-12 @ 1525	2-12" med. brown w/reddish tint, clayey silt w/ sub-angular gravels, little organics (roots) Hand augered to 1'
1						
					12-24 9:50	12-36 – silty clay, red, cohesive, low plasticity, medium hard
1.5			100			
2						
					24-36 9:52	
2.5			100			
3						
3.5						
4						

Method of Completion / Backfill: Excess Soil/Topsoil

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB-47

Page 1 of 1

SUBCONTRACTOR LaBella Associates
DRILLER
GEOLOGIST DB
DATE 7/31/23, 8/8/23

SITE NAME / LOCATION Loucks Road Extension Offsite
PROJECT No. EE1705007.0032
ELEVATION Datum
LOCATION COORDINATES N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT

TYPE OF DRILL RIG Geoprobe / Hand Auger to 1'
AUGER / CASING SIZE
SOIL SAMPLING METHOD Hand tool/direct-push
FINISHED TOTAL DEPTH 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					0-2" 16:15 MS/MSD	Clayey Silt - Brown, Cohesive most hah to Low Plasticity, gravelly.
0.5					6-12" 16:16	Hand augred to 1'
1					8/8	
				100%		12-36" Clay, grey, rocky Claystone, medium Plasticity Dry
1.5					12-24 9:42	
2						
			100%	LC	24-36 9:44	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature: DJR

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB-48

Page 1 of 1

SUBCONTRACTOR	~~LaBella Associates~~ N/A (LaBella)	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST	C. Porrela, DB	ELEVATION	Datum
DATE	7/31/23 8/8/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA (CP)			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG: ~~Geoprobe~~ Hand Auger tool + geoprobe

AUGER / CASING SIZE:

SOIL SAMPLING METHOD: Hand tool/direct-push

FINISHED TOTAL DEPTH: 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					Ø-2@1554	Ø-2" Med. brown clayey silt some SA-SR gravel, moist, non-cohes.
					2-12@1555	2-12" Lt.-Md. brown silty CLAY, some SA-SR gravel, little moist
0.5						Hand augred to 1'
1					8/8	
			50%			12-36" Blotchy Clay, Rocky
					@ 12-24" 9:02	Poor recovery, medium plasticity, Dry - wet due to rain
1.5					Low Volume	
2						
					@ 24"-36" 9:04	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB-43

Page ___ of ___

SUBCONTRACTOR LaBella Associates
DRILLER
GEOLOGIST
DATE 9/26

SITE NAME / LOCATION Loucks Road Extension Offsite
PROJECT No. EE1705007.0032
ELEVATION ___ Datum ___
LOCATION COORDINATES N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT

TYPE OF DRILL RIG ~~Geoprobe~~ Hand auger
AUGER / CASING SIZE
SOIL SAMPLING METHOD Hand tool/direct-push
FINISHED TOTAL DEPTH

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
0.5					0-2" 18:04	0-18" Silty Sand, Brown, Dry, fine grained gravels, rocks, fill
1					6-12" 18:06	
1.5					12-18" 18:08	
2						
2.5						
3						
3.5						
4						

Method of Completion / Backfill:

Signature: Drew Bulling

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB-50

Page ___ of ___

SUBCONTRACTOR LaBella Associates
DRILLER
GEOLOGIST
DATE 9/26/23

SITE NAME / LOCATION Loucks Road Extension Offsite
PROJECT No. EE1705007.0032
ELEVATION ___ Datum ___
LOCATION COORDINATES ___ N / ___ E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG Geoprobe
AUGER / CASING SIZE
SOIL SAMPLING METHOD Hand tool/direct-push
FINISHED TOTAL DEPTH

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
0.5					0-2" 17:16	0-27" silty sand, Brown, fine grained, Dry, slight non-cohesive, fill
1					6-12" 17:18	
1.5					12-24" 17:20 MS/MSD	
2						
2.5					24-27" 17:22	
3						
3.5						
4						

Method of Completion / Backfill:

Signature: Drew Bulling

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB51

Page ___ of ___

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST		ELEVATION	Datum
DATE	9/26/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG: ~~Geoprobe~~ Hand auger

AUGER / CASING SIZE:

SOIL SAMPLING METHOD: Hand tool/direct-push

FINISHED TOTAL DEPTH:

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0 - 24" Silty Sand, Brown, gravel, hog-rocks, dry, fine grained, fill
0.5					0-2" 16:34	
					0-2 duplicate 16:40	
					6-12" 16:36	
1						
1.5					12"-24" 16:38	
2						
2.5						
3						
3.5						
4						

Method of Completion / Backfill:

Signature: Drew Bulkley

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB52

Page ___ of ___

SUBCONTRACTOR LaBella Associates
DRILLER
GEOLOGIST
DATE 9/26/23

SITE NAME / LOCATION Loucks Road Extension Offsite
PROJECT No. EE1705007.0032
ELEVATION ___ Datum ___
LOCATION COORDINATES N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG ~~Geoprobe~~ Hand auger
AUGER / CASING SIZE
SOIL SAMPLING METHOD Hand tool/direct-push
FINISHED TOTAL DEPTH 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
0.5					0-7" 15:38	0-6" Silty Sand, Brown, fine grained, trace gravel, Organic roots Dry,
1					6-12" 15:48	
1.5					12-24" 15:42	6-36" Clay, red, non-cohesive, low plasticity, Dry,
2						
2.5					24-36" 15:44	
3						
3.5						
4						

Method of Completion / Backfill:

Signature: Drew Bullins

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB53

Page ___ of ___

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST		ELEVATION	Datum
DATE	9/26/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG	~~Geoprobe~~ Hand auger
AUGER / CASING SIZE	
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
0.5					0-2" 14:59	0-4" silty SAND, Brown, fine grained, trace gravel, organic roots, Dry.
1					6-12" 15:01	
1.5					12-24" 15:03	4"-36" Clay, red, Low Plasticity, non-cohesive, Dry.
2					24-36" 15:05	
2.5						
3						
3.5						
4						

Method of Completion / Backfill:

Signature: Drew Bulbin

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB54

Page ___ of ___

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST		ELEVATION	Datum
DATE	9/26/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG	~~Geoprobe~~ Hand auger
AUGER / CASING SIZE	
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0-4" Silty Sand - Brown, fine grained, trace gravel, low-cohesive, Dry
0.5					0-2" 14:02	
					6-12" 14:04 MS/MSD	
1						
						4-36" - Clay, red, low Plasticity, Dry, non-cohesive
1.5					12-24" 14:06	
					12-24"-D 14:10	
2						
2.5					24-36" 14:08 HOLD	
3						
3.5						
4						

Method of Completion / Backfill:

Signature: Drew Bulkley

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB55

Page ___ of ___

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST		ELEVATION	Datum
DATE	9/26/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG	Geoprobe, Hand Auger
AUGER / CASING SIZE	
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
0.5					0-4" 13:24	0-4" Silty Sand, Brown, Organic roots, Low-cohesive, Dry, fine grained, trace gravel
1					4-12" 13:26	
1.5					12-24" 13:28	4"-36" - Clay, gray and red, Dry, Low-cohesive, Low plasticity, trace gravel
2						
2.5					24"-36" 13:30 HOLD	
3						
3.5						
4						

Method of Completion / Backfill:

Signature: Drew Bulen

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB 56

Page ___ of ___

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST		ELEVATION	Datum
DATE	9/26/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG	Geoprobe
AUGER / CASING SIZE	
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0-4" Brown, silty sand, fine grained, roots, non-cohesive trace gravel, Dry
					0-2" 12:33	
0.5						
						4"-36" Clay, gray, friable, Dry, non-cohesive, Low plasticity,
					6-12"	
1					12:35	
1.5					12-24" 12:37	
2						
					24-36" HOLD 12:39	
2.5						
3						
3.5						
4						

Method of Completion / Backfill:

Signature: Drew Baldwin

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB57

Page ___ of ___

SUBCONTRACTOR LaBella Associates
DRILLER
GEOLOGIST
DATE 9/26/23

SITE NAME / LOCATION Loucks Road Extension Offsite
PROJECT No. EE1705007.0032
ELEVATION ___ Datum ___
LOCATION COORDINATES N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG ~~Geoprobe~~ Hand auger
AUGER / CASING SIZE
SOIL SAMPLING METHOD Hand tool/direct-push
FINISHED TOTAL DEPTH

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0-24" Silty Sand, Brown to gray, Lots of gravel, non-cohesive fine to medium grained
0.5					0-12" 11:56	
					6-12" 11:58	
1						refusal at 24" from a rock
1.5					12-24": 12:00	
2						
					40	
2.5					24-36	
3						
3.5						
4						

Method of Completion / Backfill:

Signature: Dan Bullis

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB58

Page ___ of ___

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER	Ha	PROJECT No.	EE1705007.0032
GEOLOGIST	Drew Bullinger	ELEVATION	Datum
DATE	9/26/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG	~~Geoprobe~~ Hand auger
AUGER / CASING SIZE	
SOIL SAMPLING METHOD	Hand tool/~~direct push~~
FINISHED TOTAL DEPTH	3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0-12" Brown, silty sand fine grained, trace gravel
0.5					0-2" 1054	
					6-12" 10:56	12"-~~36~~" - as above with interbedded clay and rock layers
1						
					12-24" 10:58	24-36" gray, clayey silt, high cohesive, some rocks, high plastic, dry
1.5						
2						
					24-36" 11:06	
2.5					HOLD	
3						
3.5						
4						

Method of Completion / Backfill: top soil

Signature: Drew Bullinger

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB59

Page ___ of ___

SUBCONTRACTOR: LaBella Associates
DRILLER:
GEOLOGIST: Drew Bullinger
DATE: 12/13/23

SITE NAME / LOCATION: Loucks Road Extension Offsite
PROJECT No.: EE1705007.0032
ELEVATION: ___ Datum: ___
LOCATION COORDINATES: N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG: Geoprobe
AUGER / CASING SIZE: 3.25"
SOIL SAMPLING METHOD: Hand tool/direct-push
FINISHED TOTAL DEPTH: 2'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					0-2" 11:00	0-2" Silty clay, Brown, moist, medium plasticity, organics, little sand.
0.5						
					6-12" 11:02	6-12" Clayey sand, Brown, fine grained, cohesive, Dry, soft
1						
1.5					12-24" 11:04	12-24" Silty sand, gray, fine grained, clayey in parts, Dry, rocks/silt stone aggregate.
						Refusal at 24"
2						
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Top Soil

Signature: Drew Bullinger

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB60

Page 1 of 1

SUBCONTRACTOR ~~LaBella Associates~~
DRILLER
GEOLOGIST DB
DATE 8/3/23

SITE NAME / LOCATION Loucks Road Extension Offsite
PROJECT No. EE1705007.0032
ELEVATION _____ Datum _____
LOCATION COORDINATES N / E

WATER LEVEL DATA (CP)

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG ~~Geoprobe~~ Hand Auger
AUGER / CASING SIZE
SOIL SAMPLING METHOD Hand tool/direct-push
FINISHED TOTAL DEPTH 1'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					@ 0-2" 9:49 MS/MSP	0-12" silty Sand - Brown, fine grained, Dry, poorly graded, trace gravel,
0.5					@ 6-12" 9:50	Hand augred to 1'
1						
1.5						
2						
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature:

energy and environment
engineering and geology, p.c.

WELL/BORING No. SB61

Page 1 of 1

SUBCONTRACTOR	~~Labella Associates~~	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST	C. Parrecco	ELEVATION	Datum
DATE	8-3-23	LOCATION COORDINATES	N / E
		TYPE OF DRILL RIG	~~Geoprobe~~ / Hand Auger to 1'
		AUGER / CASING SIZE	
		SOIL SAMPLING METHOD	Hand tool/direct-push
		FINISHED TOTAL DEPTH	1.0'

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF PT

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
0					0-2 @ 929	0-4" med. brown dry-moist fine-grained silty SAND, trace SA gravel
0.5					6-12 @ 930	4-12" reddish brown dry-moist very fine-grained, compact clayey SAND, little SA gravel, little pieces of grey clay
1						
1.5						
2						
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB 62

Page 1 of 1

SUBCONTRACTOR	~~LaBella Associates~~	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST	DB	ELEVATION	Datum
DATE	8/3/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA (OP)

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG	~~Geoprobe~~ Hand Auger
AUGER / CASING SIZE	
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	1'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0-12" Silty Sand - Brown, fine grained, trace gravel, Dry, Poorly Sorted.
					@ 0-2" 914	
0.5						Hand augred to 1'
					@ 6-12" 915	
1						
1.5						
2						
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature: [signature]

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB63

Page 1 of 1

SUBCONTRACTOR ~~LaBella Associates~~
DRILLER
GEOLOGIST C. Porreca
DATE 8/3/23, 12/13/23

SITE NAME / LOCATION Loucks Road Extension Offsite
PROJECT No. EE1705007.0032
ELEVATION Datum
LOCATION COORDINATES N / E

WATER LEVEL DATA (CR)

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG ~~Geoprobe~~ Hand Auger to 1'
AUGER / CASING SIZE
SOIL SAMPLING METHOD Hand tool/direct-push
FINISHED TOTAL DEPTH 1'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0 - 12" Med. brown dry-moist silty SAND, trace SA gravel, Fine-grained, poorly sorted, gray pieces of clay starting at 9"
					0-2 @ 857	
					Duplicate - 8:59	
0.5					6-12 @ 858	
						Hand augered to 1'
1						TD 1'
				12/13/23	12-24" 11:43	12-~~36~~" gray, silty clay, non-Low Plasticity, Dry, compact, little sand, increasing sand at 24-36" and less compact, trace mottilization.
1.5				1.6	DUP 11:47	
2						
				12/13/23	24-36" 11:51	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB64

Page 1 of 1

SUBCONTRACTOR / ~~LaBella Associates~~

DRILLER

GEOLOGIST DB

DATE 8/2/23

SITE NAME / LOCATION Loucks Road Extension Offsite

PROJECT No. EE1705007.0032

ELEVATION _____ Datum _____

LOCATION COORDINATES N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF PT.

TYPE OF DRILL RIG ~~Geoprobe~~ Hand Auger

AUGER / CASING SIZE

SOIL SAMPLING METHOD Hand tool/direct-push

FINISHED TOTAL DEPTH 1'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0 - 12" Silty Sand - Brown,
					@ 0-2 16:09	Dry, Poorly Sorted, Non-cohesive,
0.5					@ 6-12 16:10	~~the~~ little gravel.
						Hand auger to 1' and
1						stop due to utility
1.5						
2						
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature: CJR

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB65

Page 1 of 1

SUBCONTRACTOR ~~LaBella Associates~~		SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST	Drew Bullinger	ELEVATION	Datum
DATE	8/2/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA (CP)

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG	~~Geoprobe~~ Hand Auger
AUGER / CASING SIZE	
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	1'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					@ 0-7 15:54	0-12' silty sand - Brown, Dry, non cohesive, poorly sorted, increasing gravel with Depth Little to some gravel.
0.5					@ 6-12 15:55	
1						TD 1' above utility
1.5						
2						
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Excess Sample / Topsoil

Signature: [signature]

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB66

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST	RG, DB	ELEVATION	Datum
DATE	12/13/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG	Geoprobe
AUGER / CASING SIZE	3.25 macro core
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	4'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					0-2	
					12:24	0 - 42 SAND, Brown,
0.5						Loose- soft, fine grained,
					6-12	Dry, few silts, trace clays
				1.6		0-2',
1					12:26	
1.5					12-24	
					12:28	
2						
					24-36	
2.5			~~2.0~~	2.2	12:30	
3						
					36-42	
					12:32	
3.5						
4						

Method of Completion / Backfill: top soil

Signature: Drew Bulling

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB67

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No.	EE1705007.0032
GEOLOGIST	Drew Bullinger	ELEVATION	Datum
DATE	12/14/21	LOCATION COORDINATES	N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG	Geoprobe
AUGER / CASING SIZE	macro core 3.25"
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
					0-2 1 12:16	
					MS/MSD	0 - 36" - SAND, Light Brown, fine grained, few silts, Loose to soft, Clayey from 0-2" and has organics, ~~Some~~ ~~few~~ little gravels stubbing at 12"
0.5						
					6-12 12:18	
1						
					12-24 12:20	
1.5						
2						
					24-36 12:22	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: top soil

Signature: Drew Bullinger

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB68

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER	LaBella	PROJECT No.	EE1705007.0032
GEOLOGIST	KG, DB	ELEVATION	Datum
DATE	12/13/23	LOCATION COORDINATES	N / E
		TYPE OF DRILL RIG	Geoprobe
		AUGER / CASING SIZE	3.25"
		SOIL SAMPLING METHOD	Hand tool/direct-push
		FINISHED TOTAL DEPTH	3ft

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT.

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
				2.9	0-20 @ 1328	0-12" Dark Brown Silty clay, Soft, Cohesive
					MS/MSD	Damp, Trace Organics, Medium plasticity
0.5						Dry ~~above~~ below 4"
				3.1	6-12 @ 1330	Increasing Sand after 6", fine grained with trace gravel, Non-cohesive Fill
1						
				2.2	12-24 @ 1332	12-24" light Brown, Sandy Clay, Dry, Compact, Non-cohesive
1.5						
2				2.6	24-36 @ 1334	24-36" Same as above with slight GP Gravel
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Topsoil

Signature: Kevin Smith

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB69

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER	LaBella	PROJECT No.	EE1705007.0032
GEOLOGIST	KG/DB	ELEVATION	Datum
DATE	12/13/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT.

KG

TYPE OF DRILL RIG	Geoprobe
AUGER / CASING SIZE	3.25"
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	3 ft

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
				2.0	0-2 @ 1320	0-2" Clayey Silt, dark Brown, little Organics Moist, Cohesive
0.5				3.2	6-12 @ 1322	6"-12" Same as above with increasing Clay content.
1					12-24 @ 1324	12"-24" light Brown Clay with some sand Non-cohesive, Dry, Trace gravel
1.5				2.6		
2					24-36 @ 1326	24"-36" Brown Sandy Clay, Dry, Non-cohesive Soft. Trace GW Gravel
2.5				2.8		
3						
3.5						
4						

Method of Completion / Backfill: Topsoil

Signature: Kevin Kmiecik

ecology and environment engineering and geology, p.c.

WELL/BORING No. SB20

Page 1 of 1

SUBCONTRACTOR LaBella Associates
DRILLER La BELL
GEOLOGIST Drew Bullinger
DATE 12/13/23

SITE NAME / LOCATION Loucks Road Extension Offsite
PROJECT No. EE1705007.0032
ELEVATION _____ Datum _____
LOCATION COORDINATES N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG Geoprobe
AUGER / CASING SIZE 3.75
SOIL SAMPLING METHOD Hand tool/direct-push
FINISHED TOTAL DEPTH 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
				2.6		Brown,
					0-12"	0-8" clay, organics, medium
					12:58	plasticity, little clay,
0.5						little sand, moist,
				2.9	6-12	6-36" ~~Red~~ Brown to tan at 12",
1					13:00	soft to ~~Hard~~ firm at 18" to
						Hard at 24", SANDY CLAY, ~~Fine Sands~~,
						Little silt, Dry, Non Plastic,
1.5						non cohesive.
					12-24	
					13:02	
				1.8		
2						
				3.2		
2.5						
					24-36	
					13:04	
3						
3.5						
4						

Method of Completion / Backfill: topsoil

Signature: Drew Bullinger

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB71

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER	LaBella	PROJECT No	EE1705007.0032
GEOLOGIST	Drew Bullmyer	ELEVATION	Datum
DATE	12/13/23	LOCATION COORDINATES	N / E
		TYPE OF DRILL RIG	Geoprobe
		AUGER / CASING SIZE	3.25
		SOIL SAMPLING METHOD	Hand tool/direct-push
		FINISHED TOTAL DEPTH	3'

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT.

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0-2" Clay, organics, Dark Brown, medium plasticity, moist, & little silt.
					0-6"	
0.5				1.8	12:50	
						6-36" red, green streaks from 6-12", increasing ~~fo~~ compactness with Depth, increasing sand with Depth, Sandy Clay, non-plastic, non-cohesive, Dry,
					6-12"	
1					12:52	
				2.2		
1.5					12-24	
					1254	
					Duplicate	
					12:48	
2				1.6		
					24-36	
2.5						
					12:56	
3				1.0		
3.5						
4						

Method of Completion / Backfill: Top Soil

Signature: Drew Bullmyer

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB72

Page 1 of 1

SUBCONTRACTOR: LaBella Associates
DRILLER: La Bella
GEOLOGIST: Drew Bullinger
DATE: 12/13/23

SITE NAME / LOCATION: Loucks Road Extension Offsite
PROJECT No: EE1705007.0032
ELEVATION: _____ Datum _____
LOCATION COORDINATES: N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG: Geoprobe
AUGER / CASING SIZE: 3.25
SOIL SAMPLING METHOD: Hand tool/direct-push
FINISHED TOTAL DEPTH: 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						Brown at 6"
						0-12" Dark Brown, Clay, medium plasticity, moist, trace gravel, organics, Little Silt.
0.5				1.9	0-2 12:06	
						~~6-12~~"
1				1.2	6-12 12:08	12-24" red with layers of green in Between, clayey SAND, Hard, fine grained, little silt, non cohesive, compact.
1.5					12-24	
				1.0	~~24-36~~ 12:10	
2						
				1.6	24-36 12:12	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Top Soil

Signature: Drew Bullinger

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB23

Page 1 of 1

SUBCONTRACTOR: LaBella Associates
DRILLER: La Bella
GEOLOGIST: Drew Bullinger
DATE: 12/13/23

SITE NAME / LOCATION: Loucks Road Extension Offsite
PROJECT No.: EE1705007.0032
ELEVATION: _____ Datum _____
LOCATION COORDINATES: N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG: Geoprobe
AUGER / CASING SIZE: 3.25"
SOIL SAMPLING METHOD: Hand tool/direct-push
FINISHED TOTAL DEPTH: 3'

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
				1.1	0-2	0-2" CLAY, Dark Brown,
					1158	wet, High plasticity,
0.5					MS/MSD	organics, some silt,
					6-12	6-36" Clayey silt, greenish
1				2.4	12:00	gray, Hard/compact,
						non cohesive, ~~silt~~ little ~~silt~~ sand from 24-36", increased
						clay from 6-12" & trace
1.5				1.2	12-24	mineral staining from 6-24"
					12:02	
2						
					24-36	
					12:04	
2.5				0.8		
3						
3.5						
4						

Method of Completion / Backfill: TOP SOIL

Signature: Drew Bullinger

ecology and environment
engineering and geology, p.e.

WELL/BORING No. SB74

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER	LaBella	PROJECT No.	EE1705007.0032
GEOLOGIST	KG	ELEVATION	Datum
DATE	12/13/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA (KG)

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG	Geoprobe
AUGER / CASING SIZE	3.25
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	18"

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
				2.6	0-2@1230	0"-6" Silty Clay, Dark Brown, Moist, Soft Cohesive, Little Organics
0.5				2.8	6-12@1232	6-12 Silty Clay, Dark Brown, Dry, Firm Non-Cohesive
1					12-18@1234	12-18 Silty Clay, Brown, Dry, Hard Non-Cohesive
				2.7		
1.5						Hit aggregate rock Refusal in shoe at 18".
2						
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Top Soil

Signature: Kurt Gerhardt

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB75

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER	LaBella	PROJECT No.	EE1705007.0032
GEOLOGIST	KG	ELEVATION	Datum
DATE	12/13/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG	Geoprobe
AUGER / CASING SIZE	3.25
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	18"

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
				2.5	0-2@1240	0"-12": Silty Clay, Dark Brown, Moist, soft moving to Dry, Firm after 6" with little GP gravel from 6"-12". Little Organics from 0"-2"
0.5				3.0	6-12@1242	
1				2.6	12-18@1244	12"-18" Clayey Sand Brown, Dry, with little Silt and little GP gravel
1.5						Hit aggregate Rock Refusal in Shoe at 18".
2						
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Top Soil

Signature: Kevin Griffith

ecology and environment engineering and geology, p.c.

WELL/BORING No. SB76

Page ___ of ___

SUBCONTRACTOR		SITE NAME / LOCATION	Loucks Rd
DRILLER		PROJECT ID	
GEOLOGIST	Quinn Hawkins	ELEVATION	Datum
DATE	7/12/24	LOCATION COORDINATES	N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG:

AUGER / CASING SIZE:

SOIL SAMPLING METHOD: Hand Auger

FINISHED TOTAL DEPTH:

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
1					~~0-6~~ 0-6" 0850 1.2	0-6" Brown. Top soil, silty, Sandy fine grained
2					B 6-12 0855 ~~2-24~~ 0.4	6-24 Reddish brown. clay non cohesive, Dry, low Plasticity with some sand with fine grained
3						
4						
5					12-24 0900 0.3	
6						TD: 24"
7						
8						

Method of Completion / Backfill:

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB77

Page ___ of ___

SUBCONTRACTOR

DRILLER

GEOLOGIST Drew Bullinger

DATE 7/12/24

SITE NAME / LOCATION Loucks Rd

PROJECT ID

ELEVATION ___ Datum ___

LOCATION COORDINATES N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG

AUGER / CASING SIZE

SOIL SAMPLING METHOD Hand auger

FINISHED TOTAL DEPTH

Depth (ft. BGS)	SAMPLE INFORMATION Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
1				0.9	0-2" 7:50	0-6" Brown, Clay, trace sandy, little silt, cohesive, moist, medium plasticity.
2					6-24"	
3				0.9	8:00	6-24" greenish Brown, ~~silt~~ Sandy CLAY, Dry, Low Plasticity, non-cohesive
4					12-24"	refusal on Hand auger around 20" due to flat rock layer
5				1.0	8:18	
6						
7						
8						

Method of Completion / Backfill

Signature:

geology and environment
engineering and geology, p.c.

WELL/BORING No. SB 28

Page ___ of ___

SUBCONTRACTOR		SITE NAME / LOCATION	Lackes Rd
DRILLER		PROJECT ID	
GEOLOGIST	Drew Bullinger	ELEVATION	Datum
DATE	7/12/24	LOCATION COORDINATES	N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG:

AUGER / CASING SIZE:

SOIL SAMPLING METHOD: Hand auguring

FINISHED TOTAL DEPTH:

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
1				0.8	0-2 8:20	0-12" Brown, silty clay, low plasticity, cohesive, moist,
2				0.4	6-12 8:22	12-24" greenish gray clay, low plasticity, dry, non-corrosive, little sand,
3				0.7	12-24 8:25	auger refusal on flat rock layer around 20"
4						
5						
6						
7						
8						

Method of Completion / Backfill:

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. SB79

Page ____ of ____

SUBCONTRACTOR		SITE NAME / LOCATION	Loucks Rd
DRILLER		PROJECT ID	
GEOLOGIST	Drew Bullinger	ELEVATION	Datum
DATE	7/12/24	LOCATION COORDINATES	N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT

TYPE OF DRILL RIG	
AUGER / CASING SIZE	
SOIL SAMPLING METHOD	Hand auger
FINISHED TOTAL DEPTH	5"

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
0						0-2" Brown, silty clay, low plasticity, cohesive, moist, topsoil, roots,
				0.4	0-2" 8:35	
1						
						Refusal at 5", flat layer of rock across whole area
2						
3						
4						
5						
6						
7						
8						

Method of Completion / Backfill: _____

Signature: _____

ecology and environment
engineering and geology, p.c.

WELL/BORING No. 05-55-01

Page 1 of 1

SUBCONTRACTOR		SITE NAME / LOCATION	Loucks Rd
DRILLER		PROJECT ID	
GEOLOGIST	Drew Bullinger	ELEVATION	Datum
DATE	7/11/24	LOCATION COORDINATES	N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG:

AUGER / CASING SIZE: Hand auger 3.5"

SOIL SAMPLING METHOD:

FINISHED TOTAL DEPTH:

Depth (ft. BGS)	SAMPLE INFORMATION Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						fill
					~~0-11.00~~ 11.00	
1						0-54" BROWN, SAND, some silt, gravel, fine grained, trace rocks. Dry
				0.9	6-12" 11:30	
2						
					12-24" 11:45	TD 54"
3						
				Hold	24-36"	
4				0.4	12:00	
					24-36"-Q 12:02	
5				Hold	36-42" 12:05 Hold	
				Hold	42-48" 12:17	
6						
					48-54" 12:20	
7					Hold	
8						

Method of Completion / Backfill:

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. 05-55-B

Page ___ of ___

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No	EE1705007.0032
GEOLOGIST	Drew Bullinger	ELEVATION	___ Datum ___
DATE	12/14/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF PT

TYPE OF DRILL RIG	Geoprobe
AUGER / CASING SIZE	Macro Core
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	6.5'

Depth (ft BGS)	SAMPLE INFORMATION: Core SS No	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						6-24" SAND, reddish
					6-12	Brown, fine grained, Dry
0.5					11:04	few clays, ~~trace~~ few, gravels,
					12-24	
				0.0	11:06	24"-36" - Gray to Brown, SAND,
1						fine to medium grained, little gravel
					24-36	and rocks, few clays, soft. Dry
					11:08	
1.5						36"- 54" - gravely clay, non-
					36-42	plastic, few sand, ~~to~~ trace
					11:10	silt, cohesive, moist.
2						
				0.1	42-48	
					~~11:12~~ 11:12	54" - 78" - gravely SAND,
						fine to medium grained, small
2.5					48-54 11:14	gravel, Dry, few clays, loose
					54-60 11:16	
					60-66 11:18	
3						
					66-72 11:20	
3.5						
				0.0	72-78 11:22	
4						

Method of Completion / Backfill: top soil

Signature: Drew Bullinger

ecology and environment
engineering and geology, p.c.

WELL/BORING No. OS-SS-04

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER	LaBella	PROJECT No	EE170007.0032
GEOLOGIST	KG	ELEVATION	Datum
DATE	12/14/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA (KG)

DATE	TIME	WATER LEVEL	REF. PT

TYPE OF DRILL RIG	Geoprobe
AUGER / CASING SIZE	3.25"
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	3 ft

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0-12: Not logged or sampled
0.5						
1				2.4	12-24@1306	12-24: Silty, Clay, Med Brown, Dry, Stiff, Non-plastic, Noncohesive, Trace Coarse Sand, Trace
					Duplicate@1307	GP Gravel
1.5						
2				1.8	24-36@1308	24-36: Sandy Clay, light Brown-gray, Dry, Hard
					Hold	Non-plastic, Noncohesive, Few Coarse gravel GP
					MS/MSD	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Top Soil

Signature: Kerri Griffith

ecology and environment
engineering and geology, p.c.

WELL/BORING No. 05-SS-05

Page ___ of ___

SUBCONTRACTOR

DRILLER WSP

GEOLOGIST Drew Bullinger

DATE 7/11/24

SITE NAME / LOCATION Locks Rd

PROJECT ID

ELEVATION ___ Datum ___

LOCATION COORDINATES N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG

AUGER / CASING SIZE

SOIL SAMPLING METHOD Hand auger

FINISHED TOTAL DEPTH

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
1					6-12" 15:50	0-36 - Brown SAND, fine grained, little silt, little clay, some gravel, trace rocks, FILL
2						
3					12-24" 16:00	refusal at 36" Hit Big rock made 3 attempts to step out
4						
5					24-36" 16:30	
6						
7						
8						

Method of Completion / Backfill:

Signature:

WELL/BORING No. DS-SS-07

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER	LaBella	PROJECT No	EE1/05007.0032
GEOLOGIST	KG	ELEVATION	Datum
DATE	12/14/2023	LOCATION COORDINATES	N / E

WATER LEVEL DATA (KG)			
DATE	TIME	WATER LEVEL	REF PT

TYPE OF DRILL RIG	Geoprobe
AUGER / CASING SIZE	3.25"
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	3 ft

Depth (ft BGS)	SAMPLE INFORMATION: Core SS No	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0-6 Not logged or sampled
0.5				0.4	6-12 @ 1026	6-12: Brown Clay, Dry, Low-Med plasticity, Cohesive, with Trace silt, Hard
1				0.7	12-24 @ 1028	12-36: Brown Silty Clay: Non-plastic, Noncohesive Dry, Hard with increasing silt from 24-36
1.5						
2				0.8	24-36 @ 1030 Hold	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Top Soil

Signature: Kevin Meinhold

OS-SS-08

ecology and environment
engineering and geology, p.c.

WELL/BORING No. ~~08-22~~

Page ___ of ___

SUBCONTRACTOR

DRILLER WSP

GEOLOGIST Brian Hawkins

DATE 7/11/24

SITE NAME / LOCATION Loucks Rd

PROJECT ID

ELEVATION Datum

LOCATION COORDINATES N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG

AUGER / CASING SIZE

SOIL SAMPLING METHOD Hand Auger

FINISHED TOTAL DEPTH

Depth (ft. BGS)	SAMPLE INFORMATION Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
1						0-42" - Reddish Brown clay, trace sand low ~~Hard~~ plasticity
2					6-12" 17:15	
3					12-24" 17:20	
4						
5					24-36" 17:25	
6						
7					36-42" 17:30	
8						TD = 42"

Method of Completion / Backfill:

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. OS-55-11

Page ___ of ___

SUBCONTRACTOR
DRILLER
GEOLOGIST Quinn Hankins
DATE 7/12/24

SITE NAME / LOCATION Loucks Rd
PROJECT ID
ELEVATION Datum
LOCATION COORDINATES N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG
AUGER / CASING SIZE
SOIL SAMPLING METHOD Hand Auger
FINISHED TOTAL DEPTH

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
1					12-24" 1445	12-24 - grey clay, non-Plastic little Sand, non cohesive Dry, possibly weathered clay Stone
2					0.0	
3						refusal at 24"
4						
5						
6						
7						
8						

Method of Completion / Backfill:

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. OSSS-12

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER	LaBella	PROJECT No.	EE1705007.0032
GEOLOGIST	KG	ELEVATION	Datum
DATE	12/14/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG	Geoprobe
AUGER / CASING SIZE	3.25
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	4ft

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0-12" Not logged.
0.5						
1				0.9	12-24 @ 1044	12-36 Silty Clay, Medium Brown, Soft, Dry, low plasticity, Trace gravel from 12-24, Fill
1.5						
2				0.8	24-36 @ 1046	
2.5						
3				1.0	36-42 @ 1048	36-48 Sandy Clay, light Brown, Dry Hard, low plasticity, Non-Cohesive Trace gravel
3.5				1.0	42-48 @ 1050	
4						

Method of Completion / Backfill: Top Soil

Signature: Kevin Gorski

ecology and environment
engineering and geology, p.c.

WELL/BORING No. 05-SS-13

Page ___ of ___

SUBCONTRACTOR
DRILLER
GEOLOGIST Drew Bollinger
DATE 7/12/24

SITE NAME / LOCATION Loucks Rd
PROJECT ID
ELEVATION Datum
LOCATION COORDINATES N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG
AUGER / CASING SIZE
SOIL SAMPLING METHOD Hand auger
FINISHED TOTAL DEPTH

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0-12"
1				0.0	6-12" 10:35	Brown, SAND, fine grained, Dry, Loose, Little Silt.
2						
					12-15	
				0.0	11:00	12-15" Hard, clay/shale, maybe cement. pulverized with auger to sample.
3					Hold	
4						Refusal at 15" on Rock Layer
5						
6						
7						
8						

Method of Completion / Backfill:

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. 05-SS-14 / 05-14

Page ___ of ___

SUBCONTRACTOR	
DRILLER	
GEOLOGIST	Quinn Hawkins
DATE	7/12/24
SITE NAME / LOCATION	Loucks Rd
PROJECT ID	
ELEVATION	Datum
LOCATION COORDINATES	N / E
TYPE OF DRILL RIG	
AUGER / CASING SIZE	
SOIL SAMPLING METHOD	Hand Auger
FINISHED TOTAL DEPTH	

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT.

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
1					6-12" 11:14 0.2	6-12" - loose brown silty sand fine grained. Dry
2						
3					12-24" 11:15 0.1 no lab	12-24 - loose brown silty sand fine grained to a red brown clay & sand non cohesive, low plasticity silty, fine grained & dry some rock
4						
5						TD = 24"
6						
7						
8						

Method of Completion / Backfill: _____

Signature: _____

ecology and environment
engineering and geology, p.c.

WELL/BORING No. OS-SS-16

Page ___ of ___

SUBCONTRACTOR
DRILLER
GEOLOGIST Drew Bullinger
DATE 7/12/24

SITE NAME / LOCATION Locks Rd
PROJECT ID
ELEVATION Datum
LOCATION COORDINATES N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG
AUGER / CASING SIZE
SOIL SAMPLING METHOD Hand auger
FINISHED TOTAL DEPTH

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
1				0.0	6-12" 11:55	6-12" Brown, Sandy Silty Loose, Dry, little gravel, fine grained, organics.
2				0.1	12-24 12:16	12"-36" red, ~~clayey~~ sandy clay, non-cohesive, low-non Plastic, Dry, Loose
3					DUP 12:20	
4				0.2	24-36 12:22 hold	TD = 36"
5						
6						
7						
8						

Method of Completion / Backfill:

Signature:

ecology and environment
engineering and geology, p.c.

WELL/BORING No. OS-SS-17

Page ___ of ___

SUBCONTRACTOR		SITE NAME / LOCATION	Loucks Rd
DRILLER		PROJECT ID	
GEOLOGIST	Drew Bull, Wsp	ELEVATION	Datum
DATE	7/12/24	LOCATION COORDINATES	N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT

TYPE OF DRILL RIG	
AUGER / CASING SIZE	
SOIL SAMPLING METHOD	Hand auger
FINISHED TOTAL DEPTH	

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
1				0.0	6-12 13:28	6-~~12~~24- Brown, silty SAND, fine grained, roots, Dry, loose, rocks starting at 12"
2						
3				0.0	12-24 13:32 MS/MSD	24-36" - greenish gray, CLAY, non-plastic, little sand, non-cohesive, Dry, Likely a weathered clay stone.
4						
5				0.0	24-36 13:38 HOLD	TD = 36"
6						
7						
8						

Method of Completion / Backfill: _____

Signature: _____

ecology and environment
engineering and geology, p.c.

WELL/BORING No. 05-55-18

Page ___ of ___

SUBCONTRACTOR

DRILLER

GEOLOGIST Quinn Hawkins

DATE 7/11/24

SITE NAME / LOCATION Loucks, RD

PROJECT ID

ELEVATION ___ Datum ___

LOCATION COORDINATES N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG

AUGER / CASING SIZE

SOIL SAMPLING METHOD Hand Auger

FINISHED TOTAL DEPTH

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
1					6-12" 18:35	0-12" Brown sand, fine grained, Dry
2						
3					12-24" 18:40	12-24" - Grey clay, low plasticity, non cohesive, ~~fine grained~~ or some sand fine grained Dry
4						
5					~~not~~ 24-36" 18:50 hold	24-36" - Brown sand, fine grained Dry, some grey clay, non cohesive, low Plasticity
6						TD = 36"
7						
8						

Method of Completion / Backfill:

Signature:

ecology and environment engineering and geology, p.c.

WELL/BORING No. 05-55-19

Page ___ of ___

SUBCONTRACTOR

DRILLER

GEOLOGIST Drew Bullinger

DATE 7/11/24

SITE NAME / LOCATION Loucks RD

PROJECT ID

ELEVATION Datum

LOCATION COORDINATES N / E

TYPE OF DRILL RIG

AUGER / CASING SIZE

SOIL SAMPLING METHOD Hand auger

FINISHED TOTAL DEPTH

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT.

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
1					6-12 17:45	6-24, Brown, SAND w gravel fill, fine grained, Little silt, Dry
2					12-24 18:10 DUP 18:15	24-36 gray, gravel, CRD, fill.
3					24-36 18:20	36-48" green-red, clay, Little Sand, non-cohesive, Dry Low Plasticity
4				1825	36-42 Hold	
5				18:30	42-48 Hold	TD = 48"
6						
7						
8						

Method of Completion / Backfill

Signature:

ecology and environment engineering and geology, p.c.

WELL/BORING No. OS-SS-20

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER	LaBella	PROJECT No.	EE1705007.0032
GEOLOGIST	KG	ELEVATION	____ Datum ____
DATE	12/13/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG	Geoprobe
AUGER / CASING SIZE	3.25"
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	3 ft

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0-12" Silty Clay, Brown, Moist, cohesive, Soft, Low plasticity, Trace Organics from 0-2 with trace gravel from 6"-12"
0.5				0.5	6-12 @ 1306	
1				0.6	12-24 @ 1308	12"-36" Silty Clay, Reddish Brown, Dry, Hard Compact, Low/nonplasticity, Trace gravel, little silt (KG)
1.5						
2				0.6	24-36 @ 1310	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Top Soil

Signature: Kevin Gaudet

ecology and environment
engineering and geology, p.c.

WELL/BORING No. OS-SS-21

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER	LaBella	PROJECT No.	EE1705007.0032
GEOLOGIST	KG	ELEVATION	____ Datum ____
DATE	12/13/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG	Geoprobe
AUGER / CASING SIZE	3.25"
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	3ft

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
				0.6		0-12 Silty Clay, Brown, Moist, Dry from 5-12", Moving from Soft to firm, Low plasticity,
0.5					6-12@ 1312	
1				0.6	12-24@ 1314	12-36 Silty Clay, Redish Brown, Dry, Hard Low plasticity, Trace gravel
1.5						
2				0.7	24-36@1316	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: Top Soil

Signature: Kevin Krasnoff

ecology and environment
engineering and geology, p.c.

WELL/BORING No. OS-SS-22

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER	LaBella	PROJECT No	EE1705007.0032
GEOLOGIST	KG	ELEVATION	Datum
DATE	12/14/2023	LOCATION COORDINATES	N / E

WATER LEVEL DATA (KG)

DATE	TIME	WATER LEVEL	REF PT

TYPE OF DRILL RIG	Geoprobe
AUGER / CASING SIZE	3.25
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	3.5 ft

Depth (ft BGS)	SAMPLE INFORMATION: Core SS No	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
0.5				0.2	G-12 @ 10:10	G-42: Clayey Sand, Brown, Non-Plastic and dry from 6"-24" Increasing clay content from 24"-42" - Low plasticity (KG) Moist from 24"-36" - Low plasticity, Cohesive
1					12-24 @ 10:12	Wet from 36-42, Med plasticity, Cohesive
1.5						
2				0	24-36 @ 10:14 Hold	
2.5						
3					36-42 @ 10:16 Hold	
3.5						
4						

Method of Completion / Backfill: Top Soil

Signature: [signature]

ecology and environment
engineering and geology, p.c.

WELL/BORING No. OS-SS-24

Page ___ of ___

SUBCONTRACTOR		SITE NAME / LOCATION	Loucks Rd
DRILLER		PROJECT ID	
GEOLOGIST	Quinn Hawkins	ELEVATION	Datum
DATE	7/11/24	LOCATION COORDINATES	N / E

WATER LEVEL DATA

DATE	TIME	WATER LEVEL	REF. PT.

TYPE OF DRILL RIG	
AUGER / CASING SIZE	Hand auger 3.5
SOIL SAMPLING METHOD	
FINISHED TOTAL DEPTH	

Depth (ft. BGS)	SAMPLE INFORMATION: Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						fill
1						0-36" Brown, sand some silt, gravel, fine grained, trace rocks, Dry
					1233	
2					6-12"	
3						
				hold	1320	
4					12-24"	
					MS/MSD	
5						refusal Auger error, large rock layer, unable to penetrate through tried multiple step outs.
					1430	
6				hold	24-31"	
					hold	
						TD 36"
7						
8						

Method of Completion / Backfill: _____

Signature: _____

ecology and environment
engineering and geology, p.c.

WELL/BORING No. 05-55-25

Page ___ of ___

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER		PROJECT No	EE1705007 0032
GEOLOGIST	Drew Bullinger	ELEVATION	___ Datum ___
DATE	12/14/23	LOCATION COORDINATES	N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF PT

TYPE OF DRILL RIG	Geoprobe
AUGER / CASING SIZE	Nikio core 3.25"
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	48"

Depth (ft BGS)	SAMPLE INFORMATION: Core SS No	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						12-36 - Clayey SAND, reddish Brown, fine grained, cohesive, few gravels, moist.
					12-24 12:44	
0.5						
1					24-36 12:46	
					Dupl.cate 12:47	36"-48" SAND, reddish Brown, fine grained, Little Clay, few Silts, firm, trace gravel.
1.5						
				0.5	36-42 12:48	
2						
					42-48 12:50	
2.5						
3						
3.5						
4						

Method of Completion / Backfill: top soil

Signature: Drew Bullinger

ecology and environment
engineering and geology, p.c.

WELL/BORING No. OS-SS-26

Page 1 of 1

SUBCONTRACTOR	LaBella Associates	SITE NAME / LOCATION	Loucks Road Extension Offsite
DRILLER	LaBella	PROJECT No	EE170007.0032
GEOLOGIST	LLG	ELEVATION	Datum
DATE	12/14/2023	LOCATION COORDINATES	N / E

WATER LEVEL DATA			
DATE	TIME	WATER LEVEL	REF PT

(LLG)

TYPE OF DRILL RIG	Geoprobe
AUGER / CASING SIZE	3.25
SOIL SAMPLING METHOD	Hand tool/direct-push
FINISHED TOTAL DEPTH	3ft

Depth (ft BGS)	SAMPLE INFORMATION: Core SS No	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab Field Sample ID & Analysis	SOIL DESCRIPTION / COMMENTS
						0-6 Not logged or Sampled
0.5				1.2	6-12@1238	
1				1.1	12-24@1240	6-36: Silty Fine Sand, ~~Non-plastic~~ (LLG) Dry, Non-cohesive, ~~Positive~~ (LLG) Non-plastic fines,
1.5						
2				1.9	24-36@1242 Hold	
2.5						
3						
3.5						
4						

Method of Completion / Backfill Top Soil

Signature Kevin Brinkel

C Dust Monitoring Data

Instrument Name	DustTrak II_Downwind
Model Number	8530
Serial Number	8530122515
Firmware Version	3.1
Calibration Date	6/12/2023
Test Name	MANUAL_001
Test Start Time	10:09:25 AM
Test Start Date	8/1/2023
Test Length [D:H:M]	0:06:37
Test Interval [M:S]	1:00
Mass Average [mg/m3]	-0.014
Mass Minimum [mg/m3]	-0.016
Mass Maximum [mg/m3]	0.049
Mass TWA [mg/m3]	-0.012
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	397

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.049		
120	0		
180	-0.004		
240	-0.004		
300	-0.004		
360	-0.004		
420	-0.005		
480	-0.005		
540	-0.006		
600	-0.006		
660	-0.007		
720	-0.007		
780	-0.006		
840	-0.007		
900	-0.008		
960	-0.009		
1020	-0.01		
1080	-0.01		
1140	-0.01		
1200	-0.009		
1260	-0.01		
1320	-0.01		
1380	-0.011		
1440	-0.011		
1500	-0.011		
1560	-0.011		
1620	-0.011		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
1680	0		
1740	-0.011		
1800	-0.011		
1860	-0.012		
1920	-0.012		
1980	-0.012		
2040	-0.012		
2100	-0.012		
2160	-0.013		
2220	-0.013		
2280	-0.013		
2340	-0.013		
2400	-0.013		
2460	-0.012		
2520	-0.012		
2580	-0.012		
2640	-0.012		
2700	-0.012		
2760	-0.013		
2820	-0.013		
2880	-0.013		
2940	-0.013		
3000	-0.012		
3060	-0.013		
3120	-0.013		
3180	-0.013		
3240	-0.013		
3300	-0.013		
3360	-0.013		
3420	-0.013		
3480	-0.013		
3540	-0.013		
3600	-0.013		
3660	-0.013		
3720	-0.013		
3780	-0.013		
3840	-0.013		
3900	-0.013		
3960	-0.013		
4020	-0.013		
4080	-0.013		
4140	-0.013		
4200	-0.012		
4260	-0.013		
4320	-0.013		
4380	-0.013		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
4440	-0.013		
4500	-0.013		
4560	-0.013		
4620	-0.013		
4680	-0.013		
4740	-0.014		
4800	-0.014		
4860	-0.013		
4920	-0.014		
4980	-0.014		
5040	-0.013		
5100	-0.014		
5160	-0.014		
5220	-0.014		
5280	-0.013		
5340	-0.013		
5400	-0.013		
5460	-0.014		
5520	-0.014		
5580	-0.014		
5640	-0.014		
5700	-0.014		
5760	-0.014		
5820	-0.014		
5880	-0.014		
5940	-0.014		
6000	-0.014		
6060	-0.014		
6120	-0.015		
6180	-0.015		
6240	-0.014		
6300	-0.014		
6360	-0.014		
6420	-0.014		
6480	-0.015		
6540	-0.015		
6600	-0.014		
6660	-0.015		
6720	-0.015		
6780	-0.014		
6840	-0.014		
6900	-0.015		
6960	-0.014		
7020	-0.014		
7080	-0.014		
7140	-0.014		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
7200	-0.015		
7260	-0.015		
7320	-0.014		
7380	-0.014		
7440	-0.014		
7500	-0.014		
7560	-0.014		
7620	-0.014		
7680	-0.014		
7740	-0.014		
7800	-0.014		
7860	-0.014		
7920	-0.014		
7980	-0.014		
8040	-0.015		
8100	-0.015		
8160	-0.014		
8220	-0.014		
8280	-0.014		
8340	-0.014		
8400	-0.014		
8460	-0.015		
8520	-0.015		
8580	-0.014		
8640	-0.015		
8700	-0.015		
8760	-0.015		
8820	-0.015		
8880	-0.015		
8940	-0.015		
9000	-0.015		
9060	-0.015		
9120	-0.015		
9180	-0.015		
9240	-0.015		
9300	-0.015		
9360	-0.015		
9420	-0.015		
9480	-0.015		
9540	-0.015		
9600	-0.015		
9660	-0.015		
9720	-0.015		
9780	-0.015		
9840	-0.015		
9900	-0.015		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
9960	-0.015		
10020	-0.015		
10080	-0.015		
10140	-0.015		
10200	-0.015		
10260	-0.015		
10320	-0.015		
10380	-0.015		
10440	-0.015		
10500	-0.015		
10560	-0.015		
10620	-0.015		
10680	-0.015		
10740	-0.015		
10800	-0.015		
10860	-0.015		
10920	-0.015		
10980	-0.015		
11040	-0.015		
11100	-0.015		
11160	-0.015		
11220	-0.015		
11280	-0.015		
11340	-0.016		
11400	-0.016		
11460	-0.015		
11520	-0.015		
11580	-0.015		
11640	-0.016		
11700	-0.016		
11760	-0.016		
11820	-0.016		
11880	-0.016		
11940	-0.016		
12000	-0.016		
12060	-0.016		
12120	-0.016		
12180	-0.016		
12240	-0.016		
12300	-0.015		
12360	-0.016		
12420	-0.016		
12480	-0.016		
12540	-0.016		
12600	-0.016		
12660	-0.016		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
12720	-0.016		
12780	-0.016		
12840	-0.016		
12900	-0.016		
12960	-0.016		
13020	-0.016		
13080	-0.016		
13140	-0.016		
13200	-0.016		
13260	-0.016		
13320	-0.016		
13380	-0.016		
13440	-0.016		
13500	-0.016		
13560	-0.016		
13620	-0.016		
13680	-0.016		
13740	-0.016		
13800	-0.016		
13860	-0.016		
13920	-0.016		
13980	-0.016		
14040	-0.016		
14100	-0.016		
14160	-0.016		
14220	-0.015		
14280	-0.015		
14340	-0.015		
14400	-0.015		
14460	-0.013		
14520	-0.016		
14580	-0.016		
14640	-0.016		
14700	-0.015		
14760	-0.016		
14820	-0.014		
14880	-0.015		
14940	-0.016		
15000	-0.015		
15060	-0.016		
15120	-0.016		
15180	-0.016		
15240	-0.016		
15300	-0.016		
15360	-0.016		
15420	-0.016		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
15480	-0.016		
15540	-0.016		
15600	-0.001		
15660	-0.015		
15720	-0.013		
15780	-0.014		
15840	-0.013		
15900	-0.015		
15960	-0.016		
16020	-0.015		
16080	-0.014		
16140	-0.014		
16200	-0.015		
16260	-0.015		
16320	-0.016		
16380	-0.015		
16440	-0.016		
16500	-0.015		
16560	-0.016		
16620	-0.016		
16680	-0.014		
16740	-0.016		
16800	-0.015		
16860	-0.016		
16920	-0.016		
16980	-0.016		
17040	-0.016		
17100	-0.016		
17160	-0.016		
17220	-0.016		
17280	-0.016		
17340	-0.016		
17400	-0.016		
17460	-0.016		
17520	-0.016		
17580	-0.016		
17640	-0.016		
17700	-0.015		
17760	-0.016		
17820	-0.016		
17880	-0.016		
17940	-0.016		
18000	-0.015		
18060	-0.016		
18120	-0.016		
18180	-0.016		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
18240	-0.016		
18300	-0.016		
18360	-0.016		
18420	-0.015		
18480	-0.016		
18540	-0.016		
18600	-0.016		
18660	-0.016		
18720	-0.016		
18780	-0.016		
18840	-0.016		
18900	-0.016		
18960	-0.016		
19020	-0.016		
19080	-0.016		
19140	-0.016		
19200	-0.016		
19260	-0.016		
19320	-0.016		
19380	-0.016		
19440	-0.016		
19500	-0.016		
19560	-0.016		
19620	-0.016		
19680	-0.016		
19740	-0.016		
19800	-0.016		
19860	-0.015		
19920	-0.016		
19980	-0.016		
20040	-0.016		
20100	-0.015		
20160	-0.015		
20220	-0.015		
20280	-0.015		
20340	-0.016		
20400	-0.016		
20460	-0.016		
20520	-0.015		
20580	-0.016		
20640	-0.016		
20700	-0.016		
20760	-0.016		
20820	-0.015		
20880	-0.014		
20940	-0.013		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
21000	-0.013		
21060	-0.015		
21120	-0.014		
21180	-0.016		
21240	-0.016		
21300	-0.014		
21360	-0.014		
21420	-0.015		
21480	-0.016		
21540	-0.015		
21600	-0.016		
21660	-0.016		
21720	-0.015		
21780	-0.016		
21840	-0.015		
21900	-0.015		
21960	-0.015		
22020	-0.015		
22080	-0.016		
22140	-0.015		
22200	-0.014		
22260	-0.015		
22320	-0.016		
22380	-0.016		
22440	-0.016		
22500	-0.015		
22560	-0.016		
22620	-0.016		
22680	-0.016		
22740	-0.016		
22800	-0.016		
22860	-0.016		
22920	-0.016		
22980	-0.015		
23040	-0.015		
23100	-0.014		
23160	-0.014		
23220	-0.015		
23280	-0.015		
23340	-0.016		
23400	-0.016		
23460	-0.016		
23520	-0.016		
23580	-0.016		
23640	-0.016		
23700	-0.013		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
23760	-0.016		
23820	-0.016		

Instrument Name	DustTrak II_Upwind
Model Number	8530
Serial Number	8530141118
Firmware Version	3.1
Calibration Date	9/22/2022
Test Name	MANUAL_001
Test Start Time	10:00:44 AM
Test Start Date	8/1/2023
Test Length [D:H:M]	0:06:42
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.001
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.019
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	402

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.01		
120	0.006		
180	0.006		
240	0.005		
300	0.005		
360	0.005		
420	0.005		
480	0.004		
540	0.004		
600	0.003		
660	0.003		
720	0.003		
780	0.003		
840	0.003		
900	0.003		
960	0.003		
1020	0.002		
1080	0.002		
1140	0.002		
1200	0.002		
1260	0.002		
1320	0.002		
1380	0.002		
1440	0.003		
1500	0.002		
1560	0.001		
1620	0.001		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
1680	0.001		
1740	0.001		
1800	0.001		
1860	0.002		
1920	0.002		
1980	0.001		
2040	0.001		
2100	0.001		
2160	0.001		
2220	0.002		
2280	0.001		
2340	0.001		
2400	0.001		
2460	0.001		
2520	0.001		
2580	0.001		
2640	0.001		
2700	0.001		
2760	0.002		
2820	0.002		
2880	0.001		
2940	0.001		
3000	0.001		
3060	0.002		
3120	0.002		
3180	0.002		
3240	0.001		
3300	0.002		
3360	0.002		
3420	0.002		
3480	0.002		
3540	0.002		
3600	0.002		
3660	0.002		
3720	0.002		
3780	0.002		
3840	0.001		
3900	0.001		
3960	0.001		
4020	0.002		
4080	0.002		
4140	0.002		
4200	0.005		
4260	0.003		
4320	0.003		
4380	0.002		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
4440	0.002		
4500	0.002		
4560	0.002		
4620	0.002		
4680	0.002		
4740	0.002		
4800	0.002		
4860	0.002		
4920	0.002		
4980	0.002		
5040	0.002		
5100	0.001		
5160	0.002		
5220	0.002		
5280	0.002		
5340	0.002		
5400	0.001		
5460	0.001		
5520	0.002		
5580	0.002		
5640	0.001		
5700	0.001		
5760	0.003		
5820	0.002		
5880	0.002		
5940	0.002		
6000	0.002		
6060	0.002		
6120	0.002		
6180	0.002		
6240	0.002		
6300	0.001		
6360	0.001		
6420	0.001		
6480	0.001		
6540	0.001		
6600	0.001		
6660	0.001		
6720	0.001		
6780	0.001		
6840	0.002		
6900	0.002		
6960	0.002		
7020	0.001		
7080	0.001		
7140	0.001		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
7200	0.001		
7260	0.001		
7320	0.001		
7380	0.001		
7440	0.001		
7500	0.002		
7560	0.001		
7620	0.001		
7680	0.001		
7740	0.001		
7800	0.001		
7860	0.002		
7920	0.001		
7980	0.002		
8040	0.002		
8100	0.001		
8160	0.001		
8220	0.001		
8280	0.001		
8340	0.001		
8400	0.001		
8460	0.001		
8520	0.001		
8580	0.001		
8640	0.001		
8700	0.001		
8760	0.001		
8820	0.001		
8880	0.001		
8940	0.001		
9000	0.001		
9060	0.001		
9120	0.001		
9180	0.001		
9240	0.001		
9300	0.001		
9360	0.001		
9420	0.001		
9480	0.001		
9540	0.001		
9600	0.001		
9660	0.001		
9720	0.001		
9780	0.001		
9840	0.001		
9900	0.001		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
9960	0.001		
10020	0.001		
10080	0.001		
10140	0		
10200	0.001		
10260	0		
10320	0.001		
10380	0.001		
10440	0		
10500	0		
10560	0		
10620	0		
10680	0		
10740	0		
10800	0		
10860	0		
10920	0		
10980	0		
11040	0		
11100	0		
11160	0		
11220	0		
11280	0		
11340	0		
11400	0		
11460	0		
11520	0		
11580	0		
11640	0		
11700	0		
11760	0		
11820	0		
11880	0		
11940	0		
12000	0		
12060	0		
12120	0		
12180	0		
12240	0		
12300	0		
12360	0		
12420	0		
12480	0		
12540	0		
12600	0		
12660	0		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
12720	0		
12780	0		
12840	0		
12900	0		
12960	0		
13020	0		
13080	0		
13140	0		
13200	0		
13260	0		
13320	0		
13380	0		
13440	0		
13500	0		
13560	0		
13620	0		
13680	0		
13740	0		
13800	0		
13860	0		
13920	0		
13980	0		
14040	0		
14100	0		
14160	0		
14220	0		
14280	0.001		
14340	0		
14400	0		
14460	0		
14520	0		
14580	0		
14640	0		
14700	0		
14760	0		
14820	0		
14880	0		
14940	0.003		
15000	0		
15060	0.001		
15120	0.002		
15180	0.002		
15240	0.001		
15300	0		
15360	0		
15420	0		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
15480	0		
15540	0		
15600	0		
15660	0		
15720	0		
15780	0		
15840	0		
15900	0.002		
15960	0.001		
16020	0.019		
16080	0.003		
16140	0.009		
16200	0.001		
16260	0.011		
16320	0.003		
16380	0.002		
16440	0		
16500	0		
16560	0.003		
16620	0.005		
16680	0.003		
16740	0.001		
16800	0.004		
16860	0.003		
16920	0		
16980	0.001		
17040	0.001		
17100	0		
17160	0		
17220	0		
17280	0		
17340	0		
17400	0		
17460	0		
17520	0		
17580	0		
17640	0		
17700	0		
17760	0		
17820	0		
17880	0.001		
17940	0.001		
18000	0		
18060	0		
18120	0		
18180	0		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
18240	0.001		
18300	0		
18360	0		
18420	0		
18480	0		
18540	0		
18600	0		
18660	0		
18720	0		
18780	0		
18840	0		
18900	0		
18960	0		
19020	0		
19080	0		
19140	0		
19200	0		
19260	0		
19320	0		
19380	0		
19440	0		
19500	0		
19560	0		
19620	0		
19680	0		
19740	0		
19800	0		
19860	0		
19920	0		
19980	0		
20040	0		
20100	0		
20160	0		
20220	0		
20280	0		
20340	0		
20400	0.001		
20460	0		
20520	0.001		
20580	0.001		
20640	0.001		
20700	0		
20760	0		
20820	0		
20880	0		
20940	0		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
21000	0		
21060	0		
21120	0		
21180	0		
21240	0		
21300	0		
21360	0.001		
21420	0.001		
21480	0.001		
21540	0		
21600	0.002		
21660	0		
21720	0		
21780	0		
21840	0		
21900	0		
21960	0.001		
22020	0.001		
22080	0		
22140	0		
22200	0		
22260	0		
22320	0		
22380	0		
22440	0		
22500	0		
22560	0		
22620	0		
22680	0		
22740	0		
22800	0		
22860	0		
22920	0		
22980	0		
23040	0		
23100	0		
23160	0		
23220	0		
23280	0		
23340	0		
23400	0		
23460	0.001		
23520	0.002		
23580	0.001		
23640	0.001		
23700	0		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
23760	0.001		
23820	0		
23880	0		
23940	0		
24000	0		
24060	0		
24120	0		

Instrument Name	DustTrak II_Downwind
Model Number	8530
Serial Number	8530122515
Firmware Version	3.1
Calibration Date	6/12/2023
Test Name	MANUAL_002
Test Start Time	9:18:03 AM
Test Start Date	8/2/2023
Test Length [D:H:M]	0:07:24
Test Interval [M:S]	1:00
Mass Average [mg/m3]	-0.012
Mass Minimum [mg/m3]	-0.015
Mass Maximum [mg/m3]	-0.004
Mass TWA [mg/m3]	-0.011
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	314

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	-0.004		
120	-0.01		
180	-0.01		
240	-0.01		
300	-0.01		
360	-0.01		
420	-0.011		
480	-0.011		
540	-0.011		
600	-0.01		
660	-0.01		
720	-0.01		
780	-0.01		
840	-0.01		
900	-0.01		
960	-0.011		
1020	-0.011		
1080	-0.01		
1140	-0.01		
1200	-0.01		
1260	-0.01		
1320	-0.01		
1380	-0.011		
1440	-0.01		
1500	-0.01		
1560	-0.01		
1620	-0.01		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
1680	-0.011		
1740	-0.01		
1800	-0.01		
1860	-0.01		
1920	-0.011		
1980	-0.01		
2040	-0.01		
2100	-0.01		
2160	-0.01		
2220	-0.01		
2280	-0.01		
2340	-0.01		
2400	-0.01		
2460	-0.01		
2520	-0.01		
2580	-0.01		
2640	-0.01		
2700	-0.011		
2760	-0.01		
2820	-0.011		
2880	-0.01		
2940	-0.01		
3000	-0.01		
3060	-0.01		
3120	-0.011		
3180	-0.01		
3240	-0.01		
3300	-0.011		
3360	-0.01		
3420	-0.01		
3480	-0.011		
3540	-0.01		
3600	-0.01		
3660	-0.011		
3720	-0.011		
3780	-0.011		
3840	-0.011		
3900	-0.011		
3960	-0.011		
4020	-0.011		
4080	-0.011		
4140	-0.011		
4200	-0.011		
4260	-0.011		
4320	-0.011		
4380	-0.011		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
4440	-0.011		
4500	-0.01		
4560	-0.01		
4620	-0.011		
4680	-0.011		
4740	-0.011		
4800	-0.011		
4860	-0.011		
4920	-0.011		
4980	-0.011		
5040	-0.011		
5100	-0.011		
5160	-0.011		
5220	-0.011		
5280	-0.011		
5340	-0.011		
5400	-0.011		
5460	-0.011		
5520	-0.011		
5580	-0.011		
5640	-0.011		
5700	-0.011		
5760	-0.011		
5820	-0.011		
5880	-0.011		
5940	-0.011		
6000	-0.01		
6060	-0.011		
6120	-0.012		
6180	-0.011		
6240	-0.011		
6300	-0.012		
6360	-0.012		
6420	-0.012		
6480	-0.012		
6540	-0.012		
6600	-0.012		
6660	-0.012		
6720	-0.012		
6780	-0.011		
6840	-0.011		
6900	-0.012		
6960	-0.012		
7020	-0.011		
7080	-0.012		
7140	-0.011		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
7200	-0.012		
7260	-0.012		
7320	-0.012		
7380	-0.012		
7440	-0.013		
7500	-0.012		
7560	-0.013		
7620	-0.012		
7680	-0.012		
7740	-0.011		
7800	-0.012		
7860	-0.012		
7920	-0.012		
7980	-0.013		
8040	-0.012		
8100	-0.012		
8160	-0.012		
8220	-0.012		
8280	-0.012		
8340	-0.013		
8400	-0.013		
8460	-0.012		
8520	-0.012		
8580	-0.013		
8640	-0.013		
8700	-0.013		
8760	-0.012		
8820	-0.013		
8880	-0.013		
8940	-0.013		
9000	-0.013		
9060	-0.013		
9120	-0.013		
9180	-0.013		
9240	-0.013		
9300	-0.013		
9360	-0.013		
9420	-0.013		
9480	-0.013		
9540	-0.013		
9600	-0.012		
9660	-0.013		
9720	-0.013		
9780	-0.013		
9840	-0.013		
9900	-0.013		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
9960	-0.013		
10020	-0.012		
10080	-0.012		
10140	-0.013		
10200	-0.014		
10260	-0.013		
10320	-0.013		
10380	-0.013		
10440	-0.013		
10500	-0.013		
10560	-0.012		
10620	-0.014		
10680	-0.013		
10740	-0.013		
10800	-0.013		
10860	-0.013		
10920	-0.012		
10980	-0.013		
11040	-0.012		
11100	-0.013		
11160	-0.013		
11220	-0.013		
11280	-0.013		
11340	-0.013		
11400	-0.013		
11460	-0.013		
11520	-0.013		
11580	-0.014		
11640	-0.013		
11700	-0.013		
11760	-0.014		
11820	-0.014		
11880	-0.014		
11940	-0.013		
12000	-0.013		
12060	-0.013		
12120	-0.014		
12180	-0.014		
12240	-0.014		
12300	-0.013		
12360	-0.013		
12420	-0.013		
12480	-0.013		
12540	-0.013		
12600	-0.013		
12660	-0.013		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
12720	-0.013		
12780	-0.014		
12840	-0.013		
12900	-0.013		
12960	-0.013		
13020	-0.013		
13080	-0.011		
13140	-0.011		
13200	-0.013		
13260	-0.013		
13320	-0.013		
13380	-0.013		
13440	-0.013		
13500	-0.013		
13560	-0.013		
13620	-0.013		
13680	-0.013		
13740	-0.013		
13800	-0.013		
13860	-0.013		
13920	-0.013		
13980	-0.012		
14040	-0.013		
14100	-0.013		
14160	-0.013		
14220	-0.013		
14280	-0.013		
14340	-0.013		
14400	-0.013		
14460	-0.013		
14520	-0.013		
14580	-0.013		
14640	-0.011		
14700	-0.009		
14760	-0.013		
14820	-0.013		
14880	-0.013		
14940	-0.013		
15000	-0.014		
15060	-0.014		
15120	-0.014		
15180	-0.014		
15240	-0.014		
15300	-0.014		
15360	-0.014		
15420	-0.014		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
15480	-0.015		
15540	-0.014		
15600	-0.015		
15660	-0.014		
15720	-0.014		
15780	-0.014		
15840	-0.012		
15900	-0.013		
15960	-0.013		
16020	-0.014		
16080	-0.014		
16140	-0.014		
16200	-0.014		
16260	-0.014		
16320	-0.014		
16380	-0.014		
16440	-0.014		
16500	-0.014		
16560	-0.013		
16620	-0.014		
16680	-0.014		
16740	-0.014		
16800	-0.013		
16860	-0.012		
16920	-0.012		
16980	-0.013		
17040	-0.014		
17100	-0.014		
17160	-0.014		
17220	-0.014		
17280	-0.014		
17340	-0.014		
17400	-0.014		
17460	-0.014		
17520	-0.014		
17580	-0.014		
17640	-0.014		
17700	-0.014		
17760	-0.014		
17820	-0.014		
17880	-0.014		
17940	-0.014		
18000	-0.014		
18060	-0.014		
18120	-0.014		
18180	-0.014		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
18240	-0.014		
18300	-0.014		
18360	-0.014		
18420	-0.014		
18480	-0.014		
18540	-0.014		
18600	-0.013		
18660	-0.013		
18720	-0.012		
18780	-0.014		
26645	-0.009		

Instrument Name	DustTrak II_Upwind
Model Number	8530
Serial Number	8530141118
Firmware Version	3.1
Calibration Date	9/22/2022
Test Name	MANUAL_003
Test Start Time	9:12:51 AM
Test Start Date	8/2/2023
Test Length [D:H:M]	0:07:31
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.004
Mass Minimum [mg/m3]	0.002
Mass Maximum [mg/m3]	0.01
Mass TWA [mg/m3]	0.003
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	451

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.005		
120	0.005		
180	0.005		
240	0.005		
300	0.005		
360	0.005		
420	0.005		
480	0.005		
540	0.005		
600	0.005		
660	0.01		
720	0.005		
780	0.005		
840	0.006		
900	0.006		
960	0.007		
1020	0.005		
1080	0.005		
1140	0.005		
1200	0.005		
1260	0.005		
1320	0.005		
1380	0.005		
1440	0.005		
1500	0.004		
1560	0.004		
1620	0.004		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
1680	0.005		
1740	0.004		
1800	0.004		
1860	0.006		
1920	0.005		
1980	0.005		
2040	0.004		
2100	0.004		
2160	0.004		
2220	0.004		
2280	0.004		
2340	0.004		
2400	0.004		
2460	0.004		
2520	0.004		
2580	0.004		
2640	0.005		
2700	0.004		
2760	0.006		
2820	0.004		
2880	0.004		
2940	0.004		
3000	0.004		
3060	0.004		
3120	0.003		
3180	0.004		
3240	0.003		
3300	0.003		
3360	0.003		
3420	0.004		
3480	0.004		
3540	0.003		
3600	0.004		
3660	0.004		
3720	0.004		
3780	0.004		
3840	0.003		
3900	0.004		
3960	0.004		
4020	0.003		
4080	0.004		
4140	0.004		
4200	0.003		
4260	0.003		
4320	0.003		
4380	0.003		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
4440	0.004		
4500	0.003		
4560	0.004		
4620	0.004		
4680	0.004		
4740	0.004		
4800	0.004		
4860	0.004		
4920	0.004		
4980	0.004		
5040	0.004		
5100	0.004		
5160	0.004		
5220	0.004		
5280	0.004		
5340	0.004		
5400	0.004		
5460	0.004		
5520	0.006		
5580	0.005		
5640	0.004		
5700	0.004		
5760	0.004		
5820	0.004		
5880	0.004		
5940	0.005		
6000	0.004		
6060	0.006		
6120	0.004		
6180	0.005		
6240	0.004		
6300	0.004		
6360	0.004		
6420	0.004		
6480	0.004		
6540	0.004		
6600	0.005		
6660	0.005		
6720	0.004		
6780	0.005		
6840	0.005		
6900	0.004		
6960	0.004		
7020	0.004		
7080	0.004		
7140	0.004		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
7200	0.004		
7260	0.005		
7320	0.004		
7380	0.004		
7440	0.004		
7500	0.004		
7560	0.004		
7620	0.004		
7680	0.004		
7740	0.004		
7800	0.003		
7860	0.004		
7920	0.006		
7980	0.005		
8040	0.005		
8100	0.004		
8160	0.004		
8220	0.004		
8280	0.004		
8340	0.004		
8400	0.004		
8460	0.004		
8520	0.004		
8580	0.005		
8640	0.003		
8700	0.004		
8760	0.003		
8820	0.003		
8880	0.003		
8940	0.003		
9000	0.003		
9060	0.003		
9120	0.003		
9180	0.004		
9240	0.004		
9300	0.004		
9360	0.003		
9420	0.003		
9480	0.003		
9540	0.004		
9600	0.004		
9660	0.005		
9720	0.006		
9780	0.004		
9840	0.005		
9900	0.004		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
9960	0.003		
10020	0.004		
10080	0.004		
10140	0.004		
10200	0.004		
10260	0.007		
10320	0.006		
10380	0.003		
10440	0.004		
10500	0.005		
10560	0.008		
10620	0.006		
10680	0.004		
10740	0.003		
10800	0.003		
10860	0.006		
10920	0.004		
10980	0.004		
11040	0.004		
11100	0.004		
11160	0.004		
11220	0.004		
11280	0.006		
11340	0.004		
11400	0.003		
11460	0.003		
11520	0.003		
11580	0.003		
11640	0.003		
11700	0.002		
11760	0.003		
11820	0.003		
11880	0.003		
11940	0.003		
12000	0.003		
12060	0.003		
12120	0.003		
12180	0.003		
12240	0.003		
12300	0.003		
12360	0.003		
12420	0.003		
12480	0.004		
12540	0.003		
12600	0.004		
12660	0.003		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
12720	0.003		
12780	0.003		
12840	0.003		
12900	0.003		
12960	0.003		
13020	0.003		
13080	0.003		
13140	0.003		
13200	0.003		
13260	0.003		
13320	0.003		
13380	0.003		
13440	0.003		
13500	0.004		
13560	0.003		
13620	0.003		
13680	0.003		
13740	0.003		
13800	0.003		
13860	0.003		
13920	0.004		
13980	0.003		
14040	0.003		
14100	0.003		
14160	0.003		
14220	0.003		
14280	0.003		
14340	0.004		
14400	0.003		
14460	0.003		
14520	0.003		
14580	0.003		
14640	0.003		
14700	0.004		
14760	0.003		
14820	0.003		
14880	0.003		
14940	0.003		
15000	0.003		
15060	0.003		
15120	0.003		
15180	0.005		
15240	0.003		
15300	0.003		
15360	0.003		
15420	0.003		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
15480	0.003		
15540	0.003		
15600	0.003		
15660	0.003		
15720	0.003		
15780	0.003		
15840	0.003		
15900	0.002		
15960	0.002		
16020	0.003		
16080	0.003		
16140	0.002		
16200	0.003		
16260	0.002		
16320	0.002		
16380	0.002		
16440	0.002		
16500	0.002		
16560	0.002		
16620	0.002		
16680	0.002		
16740	0.003		
16800	0.003		
16860	0.003		
16920	0.004		
16980	0.002		
17040	0.002		
17100	0.004		
17160	0.004		
17220	0.003		
17280	0.002		
17340	0.002		
17400	0.002		
17460	0.002		
17520	0.002		
17580	0.002		
17640	0.002		
17700	0.002		
17760	0.002		
17820	0.002		
17880	0.002		
17940	0.002		
18000	0.002		
18060	0.002		
18120	0.002		
18180	0.002		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
18240	0.002		
18300	0.002		
18360	0.002		
18420	0.003		
18480	0.002		
18540	0.003		
18600	0.002		
18660	0.002		
18720	0.002		
18780	0.002		
18840	0.002		
18900	0.002		
18960	0.003		
19020	0.005		
19080	0.003		
19140	0.003		
19200	0.003		
19260	0.003		
19320	0.003		
19380	0.003		
19440	0.003		
19500	0.003		
19560	0.003		
19620	0.003		
19680	0.003		
19740	0.003		
19800	0.003		
19860	0.003		
19920	0.003		
19980	0.003		
20040	0.003		
20100	0.003		
20160	0.003		
20220	0.003		
20280	0.005		
20340	0.006		
20400	0.004		
20460	0.004		
20520	0.003		
20580	0.003		
20640	0.003		
20700	0.003		
20760	0.003		
20820	0.003		
20880	0.003		
20940	0.003		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
21000	0.002		
21060	0.003		
21120	0.002		
21180	0.003		
21240	0.002		
21300	0.002		
21360	0.003		
21420	0.003		
21480	0.003		
21540	0.003		
21600	0.002		
21660	0.003		
21720	0.003		
21780	0.002		
21840	0.003		
21900	0.003		
21960	0.003		
22020	0.002		
22080	0.002		
22140	0.003		
22200	0.003		
22260	0.003		
22320	0.003		
22380	0.003		
22440	0.003		
22500	0.003		
22560	0.003		
22620	0.003		
22680	0.005		
22740	0.003		
22800	0.003		
22860	0.003		
22920	0.003		
22980	0.006		
23040	0.005		
23100	0.003		
23160	0.003		
23220	0.003		
23280	0.005		
23340	0.004		
23400	0.004		
23460	0.004		
23520	0.004		
23580	0.003		
23640	0.005		
23700	0.005		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
23760	0.004		
23820	0.004		
23880	0.004		
23940	0.004		
24000	0.003		
24060	0.004		
24120	0.004		
24180	0.004		
24240	0.004		
24300	0.004		
24360	0.005		
24420	0.004		
24480	0.004		
24540	0.004		
24600	0.003		
24660	0.003		
24720	0.004		
24780	0.004		
24840	0.003		
24900	0.004		
24960	0.004		
25020	0.004		
25080	0.004		
25140	0.004		
25200	0.004		
25260	0.008		
25320	0.004		
25380	0.004		
25440	0.004		
25500	0.005		
25560	0.004		
25620	0.004		
25680	0.004		
25740	0.004		
25800	0.004		
25860	0.004		
25920	0.004		
25980	0.004		
26040	0.005		
26100	0.004		
26160	0.005		
26220	0.004		
26280	0.005		
26340	0.005		
26400	0.004		
26460	0.004		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
26520	0.004		
26580	0.004		
26640	0.004		
26700	0.004		
26760	0.005		
26820	0.005		
26880	0.004		
26940	0.004		
27000	0.005		
27060	0.004		

Instrument Name	DustTrak II_Downwind
Model Number	8530
Serial Number	8530122515
Firmware Version	3.1
Calibration Date	6/12/2023
Test Name	MANUAL_003
Test Start Time	8:45:39 AM
Test Start Date	8/3/2023
Test Length [D:H:M]	0:01:05
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.022
Mass Minimum [mg/m3]	0.019
Mass Maximum [mg/m3]	0.025
Mass TWA [mg/m3]	0.003
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	65

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.025		
120	0.02		
180	0.019		
240	0.019		
300	0.019		
360	0.021		
420	0.021		
480	0.02		
540	0.02		
600	0.02		
660	0.021		
720	0.021		
780	0.02		
840	0.021		
900	0.021		
960	0.02		
1020	0.021		
1080	0.021		
1140	0.021		
1200	0.02		
1260	0.021		
1320	0.021		
1380	0.021		
1440	0.021		
1500	0.021		
1560	0.022		
1620	0.021		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
1680	0.021		
1740	0.022		
1800	0.021		
1860	0.022		
1920	0.022		
1980	0.021		
2040	0.022		
2100	0.023		
2160	0.023		
2220	0.023		
2280	0.023		
2340	0.022		
2400	0.023		
2460	0.022		
2520	0.023		
2580	0.022		
2640	0.022		
2700	0.023		
2760	0.023		
2820	0.023		
2880	0.022		
2940	0.023		
3000	0.023		
3060	0.023		
3120	0.022		
3180	0.023		
3240	0.024		
3300	0.023		
3360	0.023		
3420	0.023		
3480	0.025		
3540	0.024		
3600	0.025		
3660	0.024		
3720	0.024		
3780	0.024		
3840	0.024		
3900	0.023		

Instrument Name	DustTrak II_Upwind
Model Number	8530
Serial Number	8530141118
Firmware Version	3.1
Calibration Date	9/22/2022
Test Name	MANUAL_004
Test Start Time	8:48:35 AM
Test Start Date	8/3/2023
Test Length [D:H:M]	0:01:04
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.041
Mass Minimum [mg/m3]	0.038
Mass Maximum [mg/m3]	0.045
Mass TWA [mg/m3]	0.005
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	64

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.041		
120	0.039		
180	0.039		
240	0.039		
300	0.038		
360	0.039		
420	0.039		
480	0.039		
540	0.039		
600	0.04		
660	0.04		
720	0.039		
780	0.039		
840	0.039		
900	0.039		
960	0.039		
1020	0.039		
1080	0.039		
1140	0.04		
1200	0.039		
1260	0.041		
1320	0.04		
1380	0.04		
1440	0.041		
1500	0.04		
1560	0.04		
1620	0.04		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
1680	0.04		
1740	0.04		
1800	0.04		
1860	0.04		
1920	0.04		
1980	0.041		
2040	0.045		
2100	0.041		
2160	0.041		
2220	0.04		
2280	0.04		
2340	0.041		
2400	0.041		
2460	0.04		
2520	0.04		
2580	0.042		
2640	0.042		
2700	0.041		
2760	0.042		
2820	0.041		
2880	0.041		
2940	0.042		
3000	0.042		
3060	0.042		
3120	0.042		
3180	0.042		
3240	0.042		
3300	0.044		
3360	0.045		
3420	0.045		
3480	0.043		
3540	0.044		
3600	0.044		
3660	0.044		
3720	0.043		
3780	0.043		
3840	0.042		

Instrument Name	DustTrak II_Downwind
Model Number	8530
Serial Number	8530122515
Firmware Version	3.1
Calibration Date	6/12/2023
Test Name	MANUAL_004
Test Start Time	8:46:12 AM
Test Start Date	8/8/2023
Test Length [D:H:M]	0:02:09
Test Interval [M:S]	1:00
Mass Average [mg/m3]	-0.013
Mass Minimum [mg/m3]	-0.015
Mass Maximum [mg/m3]	-0.001
Mass TWA [mg/m3]	-0.004
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	129

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	-0.001		
120	-0.004		
180	-0.011		
240	-0.012		
300	-0.011		
360	-0.012		
420	-0.011		
480	-0.011		
540	-0.012		
600	-0.012		
660	-0.011		
720	-0.012		
780	-0.012		
840	-0.013		
900	-0.013		
960	-0.012		
1020	-0.013		
1080	-0.013		
1140	-0.013		
1200	-0.013		
1260	-0.013		
1320	-0.014		
1380	-0.013		
1440	-0.013		
1500	-0.013		
1560	-0.014		
1620	-0.014		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
1680	-0.013		
1740	-0.013		
1800	-0.013		
1860	-0.013		
1920	-0.013		
1980	-0.013		
2040	-0.013		
2100	-0.013		
2160	-0.013		
2220	-0.013		
2280	-0.013		
2340	-0.013		
2400	-0.013		
2460	-0.014		
2520	-0.013		
2580	-0.014		
2640	-0.013		
2700	-0.013		
2760	-0.014		
2820	-0.014		
2880	-0.014		
2940	-0.014		
3000	-0.014		
3060	-0.014		
3120	-0.014		
3180	-0.014		
3240	-0.014		
3300	-0.014		
3360	-0.014		
3420	-0.014		
3480	-0.014		
3540	-0.014		
3600	-0.014		
3660	-0.014		
3720	-0.014		
3780	-0.014		
3840	-0.014		
3900	-0.014		
3960	-0.014		
4020	-0.014		
4080	-0.014		
4140	-0.014		
4200	-0.014		
4260	-0.014		
4320	-0.014		
4380	-0.014		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
4440	-0.014		
4500	-0.014		
4560	-0.014		
4620	-0.014		
4680	-0.014		
4740	-0.014		
4800	-0.014		
4860	-0.014		
4920	-0.014		
4980	-0.014		
5040	-0.014		
5100	-0.014		
5160	-0.014		
5220	-0.015		
5280	-0.015		
5340	-0.014		
5400	-0.014		
5460	-0.014		
5520	-0.014		
5580	-0.015		
5640	-0.014		
5700	-0.014		
5760	-0.014		
5820	-0.014		
5880	-0.014		
5940	-0.014		
6000	-0.014		
6060	-0.014		
6120	-0.014		
6180	-0.014		
6240	-0.014		
6300	-0.014		
6360	-0.014		
6420	-0.014		
6480	-0.014		
6540	-0.014		
6600	-0.014		
6660	-0.014		
6720	-0.013		
6780	-0.014		
6840	-0.013		
6900	-0.014		
6960	-0.014		
7020	-0.014		
7080	-0.014		
7140	-0.014		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
7200	-0.014		
7260	-0.013		
7320	-0.014		
7380	-0.013		
7440	-0.013		
7500	-0.014		
7560	-0.014		
7620	-0.014		
7680	-0.014		
7740	-0.014		

Instrument Name	DustTrak II_Downwind
Model Number	8530
Serial Number	8530122515
Firmware Version	3.1
Calibration Date	6/12/2023
Test Name	MANUAL_005
Test Start Time	1:06:36 PM
Test Start Date	8/8/2023
Test Length [D:H:M]	0:01:56
Test Interval [M:S]	1:00
Mass Average [mg/m3]	-0.007
Mass Minimum [mg/m3]	-0.011
Mass Maximum [mg/m3]	-0.002
Mass TWA [mg/m3]	-0.002
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	116

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	-0.008		
120	-0.01		
180	-0.011		
240	-0.011		
300	-0.01		
360	-0.01		
420	-0.011		
480	-0.01		
540	-0.01		
600	-0.011		
660	-0.011		
720	-0.01		
780	-0.01		
840	-0.011		
900	-0.011		
960	-0.011		
1020	-0.01		
1080	-0.01		
1140	-0.011		
1200	-0.011		
1260	-0.01		
1320	-0.01		
1380	-0.01		
1440	-0.01		
1500	-0.01		
1560	-0.009		
1620	-0.01		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
1680	-0.01		
1740	-0.009		
1800	-0.008		
1860	-0.008		
1920	-0.008		
1980	-0.008		
2040	-0.008		
2100	-0.007		
2160	-0.007		
2220	-0.007		
2280	-0.007		
2340	-0.007		
2400	-0.007		
2460	-0.007		
2520	-0.007		
2580	-0.007		
2640	-0.007		
2700	-0.007		
2760	-0.007		
2820	-0.007		
2880	-0.006		
2940	-0.007		
3000	-0.007		
3060	-0.006		
3120	-0.006		
3180	-0.006		
3240	-0.006		
3300	-0.006		
3360	-0.006		
3420	-0.006		
3480	-0.006		
3540	-0.004		
3600	-0.006		
3660	-0.006		
3720	-0.006		
3780	-0.005		
3840	-0.006		
3900	-0.006		
3960	-0.006		
4020	-0.005		
4080	-0.005		
4140	-0.005		
4200	-0.005		
4260	-0.005		
4320	-0.005		
4380	-0.005		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
4440	-0.006		
4500	-0.006		
4560	-0.006		
4620	-0.006		
4680	-0.005		
4740	-0.005		
4800	-0.005		
4860	-0.005		
4920	-0.005		
4980	-0.005		
5040	-0.005		
5100	-0.006		
5160	-0.005		
5220	-0.006		
5280	-0.005		
5340	-0.006		
5400	-0.006		
5460	-0.005		
5520	-0.005		
5580	-0.004		
5640	-0.005		
5700	-0.005		
5760	-0.005		
5820	-0.006		
5880	-0.005		
5940	-0.005		
6000	-0.004		
6060	-0.004		
6120	-0.004		
6180	-0.002		
6240	-0.003		
6300	-0.003		
6360	-0.003		
6420	-0.003		
6480	-0.003		
6540	-0.003		
6600	-0.003		
6660	-0.003		
6720	-0.003		
6780	-0.003		
6840	-0.002		
6900	-0.003		
6960	-0.002		

Instrument Name	DustTrak II_Upwind
Model Number	8530
Serial Number	8530141118
Firmware Version	3.1
Calibration Date	9/22/2022
Test Name	MANUAL_006
Test Start Time	1:04:49 PM
Test Start Date	8/8/2023
Test Length [D:H:M]	0:01:56
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.008
Mass Minimum [mg/m3]	0.004
Mass Maximum [mg/m3]	0.016
Mass TWA [mg/m3]	0.002
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	116

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.005		
120	0.005		
180	0.005		
240	0.005		
300	0.005		
360	0.004		
420	0.005		
480	0.005		
540	0.004		
600	0.011		
660	0.004		
720	0.005		
780	0.005		
840	0.005		
900	0.004		
960	0.004		
1020	0.004		
1080	0.004		
1140	0.004		
1200	0.005		
1260	0.005		
1320	0.005		
1380	0.005		
1440	0.005		
1500	0.005		
1560	0.006		
1620	0.005		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
1680	0.006		
1740	0.007		
1800	0.006		
1860	0.006		
1920	0.006		
1980	0.007		
2040	0.007		
2100	0.007		
2160	0.007		
2220	0.007		
2280	0.008		
2340	0.008		
2400	0.008		
2460	0.009		
2520	0.009		
2580	0.008		
2640	0.008		
2700	0.008		
2760	0.008		
2820	0.008		
2880	0.008		
2940	0.008		
3000	0.008		
3060	0.008		
3120	0.008		
3180	0.009		
3240	0.009		
3300	0.009		
3360	0.01		
3420	0.009		
3480	0.008		
3540	0.008		
3600	0.009		
3660	0.01		
3720	0.009		
3780	0.009		
3840	0.008		
3900	0.01		
3960	0.009		
4020	0.009		
4080	0.009		
4140	0.009		
4200	0.009		
4260	0.009		
4320	0.01		
4380	0.01		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
4440	0.01		
4500	0.009		
4560	0.009		
4620	0.009		
4680	0.009		
4740	0.009		
4800	0.009		
4860	0.009		
4920	0.009		
4980	0.009		
5040	0.009		
5100	0.013		
5160	0.009		
5220	0.009		
5280	0.009		
5340	0.011		
5400	0.01		
5460	0.009		
5520	0.009		
5580	0.009		
5640	0.01		
5700	0.01		
5760	0.009		
5820	0.009		
5880	0.009		
5940	0.009		
6000	0.01		
6060	0.01		
6120	0.01		
6180	0.011		
6240	0.012		
6300	0.012		
6360	0.012		
6420	0.016		
6480	0.012		
6540	0.011		
6600	0.012		
6660	0.012		
6720	0.012		
6780	0.012		
6840	0.012		
6900	0.012		
6960	0.012		

Instrument Name	DustTrak II_Upwind
Model Number	8530
Serial Number	8530141118
Firmware Version	3.1
Calibration Date	9/22/2022
Test Name	MANUAL_005
Test Start Time	8:44:50 AM
Test Start Date	8/8/2023
Test Length [D:H:M]	0:02:09
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.002
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.007
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	129

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.007		
120	0.004		
180	0.004		
240	0.004		
300	0.004		
360	0.004		
420	0.004		
480	0.005		
540	0.005		
600	0.004		
660	0.004		
720	0.004		
780	0.003		
840	0.003		
900	0.003		
960	0.003		
1020	0.003		
1080	0.003		
1140	0.002		
1200	0.002		
1260	0.002		
1320	0.002		
1380	0.002		
1440	0.002		
1500	0.002		
1560	0.002		
1620	0.002		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
1680	0.002		
1740	0.002		
1800	0.001		
1860	0.002		
1920	0.002		
1980	0.002		
2040	0.002		
2100	0.002		
2160	0.002		
2220	0.002		
2280	0.002		
2340	0.002		
2400	0.002		
2460	0.002		
2520	0.002		
2580	0.002		
2640	0.002		
2700	0.001		
2760	0.001		
2820	0.001		
2880	0.001		
2940	0.001		
3000	0.001		
3060	0.001		
3120	0.001		
3180	0.001		
3240	0.001		
3300	0.001		
3360	0.001		
3420	0.001		
3480	0.001		
3540	0.001		
3600	0.001		
3660	0.001		
3720	0.001		
3780	0.001		
3840	0.002		
3900	0.001		
3960	0.001		
4020	0.001		
4080	0.001		
4140	0		
4200	0.003		
4260	0.001		
4320	0.001		
4380	0.001		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
4440	0		
4500	0.001		
4560	0.001		
4620	0		
4680	0		
4740	0		
4800	0.001		
4860	0.001		
4920	0.001		
4980	0.001		
5040	0.001		
5100	0.001		
5160	0.001		
5220	0.001		
5280	0		
5340	0		
5400	0.001		
5460	0		
5520	0.001		
5580	0.003		
5640	0.001		
5700	0.001		
5760	0		
5820	0.001		
5880	0.001		
5940	0.001		
6000	0.001		
6060	0		
6120	0.001		
6180	0.001		
6240	0		
6300	0		
6360	0		
6420	0.001		
6480	0.001		
6540	0.001		
6600	0.001		
6660	0.001		
6720	0.001		
6780	0.001		
6840	0.001		
6900	0.001		
6960	0.001		
7020	0.001		
7080	0.001		
7140	0.001		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
7200	0.001		
7260	0.001		
7320	0.001		
7380	0.001		
7440	0.001		
7500	0.001		
7560	0.001		
7620	0.001		
7680	0.001		
7740	0		

Instrument Name	DustTrak II_Downwind
Model Number	8530
Serial Number	8530122515
Firmware Version	3.1
Calibration Date	6/12/2023
Test Name	MANUAL_006
Test Start Time	9:02:41 AM
Test Start Date	8/9/2023
Test Length [D:H:M]	0:07:00
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.013
Mass Minimum [mg/m3]	0.006
Mass Maximum [mg/m3]	0.036
Mass TWA [mg/m3]	0.011
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	420

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.011		
120	0.006		
180	0.007		
240	0.007		
300	0.006		
360	0.006		
420	0.006		
480	0.006		
540	0.006		
600	0.007		
660	0.006		
720	0.007		
780	0.006		
840	0.006		
900	0.006		
960	0.006		
1020	0.007		
1080	0.006		
1140	0.006		
1200	0.007		
1260	0.007		
1320	0.007		
1380	0.007		
1440	0.008		
1500	0.008		
1560	0.008		
1620	0.011		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
1680	0.01		
1740	0.008		
1800	0.008		
1860	0.008		
1920	0.008		
1980	0.006		
2040	0.006		
2100	0.006		
2160	0.006		
2220	0.006		
2280	0.006		
2340	0.007		
2400	0.007		
2460	0.007		
2520	0.009		
2580	0.008		
2640	0.008		
2700	0.007		
2760	0.009		
2820	0.007		
2880	0.006		
2940	0.006		
3000	0.008		
3060	0.007		
3120	0.007		
3180	0.007		
3240	0.01		
3300	0.007		
3360	0.008		
3420	0.007		
3480	0.007		
3540	0.007		
3600	0.007		
3660	0.006		
3720	0.007		
3780	0.006		
3840	0.006		
3900	0.008		
3960	0.008		
4020	0.007		
4080	0.007		
4140	0.007		
4200	0.01		
4260	0.01		
4320	0.008		
4380	0.01		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
4440	0.007		
4500	0.011		
4560	0.009		
4620	0.007		
4680	0.008		
4740	0.007		
4800	0.008		
4860	0.007		
4920	0.008		
4980	0.01		
5040	0.008		
5100	0.007		
5160	0.008		
5220	0.008		
5280	0.007		
5340	0.008		
5400	0.007		
5460	0.008		
5520	0.008		
5580	0.008		
5640	0.008		
5700	0.007		
5760	0.008		
5820	0.008		
5880	0.008		
5940	0.008		
6000	0.008		
6060	0.008		
6120	0.008		
6180	0.009		
6240	0.009		
6300	0.019		
6360	0.011		
6420	0.01		
6480	0.016		
6540	0.029		
6600	0.009		
6660	0.008		
6720	0.009		
6780	0.008		
6840	0.008		
6900	0.008		
6960	0.008		
7020	0.008		
7080	0.009		
7140	0.009		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
7200	0.009		
7260	0.009		
7320	0.008		
7380	0.01		
7440	0.008		
7500	0.009		
7560	0.013		
7620	0.008		
7680	0.008		
7740	0.008		
7800	0.009		
7860	0.009		
7920	0.01		
7980	0.01		
8040	0.01		
8100	0.009		
8160	0.009		
8220	0.011		
8280	0.036		
8340	0.009		
8400	0.009		
8460	0.009		
8520	0.008		
8580	0.008		
8640	0.008		
8700	0.01		
8760	0.013		
8820	0.01		
8880	0.009		
8940	0.009		
9000	0.009		
9060	0.009		
9120	0.009		
9180	0.009		
9240	0.01		
9300	0.009		
9360	0.01		
9420	0.01		
9480	0.011		
9540	0.01		
9600	0.01		
9660	0.01		
9720	0.01		
9780	0.01		
9840	0.011		
9900	0.011		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
9960	0.011		
10020	0.011		
10080	0.01		
10140	0.011		
10200	0.012		
10260	0.011		
10320	0.012		
10380	0.011		
10440	0.012		
10500	0.011		
10560	0.012		
10620	0.011		
10680	0.011		
10740	0.011		
10800	0.011		
10860	0.012		
10920	0.012		
10980	0.012		
11040	0.012		
11100	0.011		
11160	0.012		
11220	0.013		
11280	0.014		
11340	0.012		
11400	0.013		
11460	0.013		
11520	0.012		
11580	0.012		
11640	0.012		
11700	0.012		
11760	0.012		
11820	0.012		
11880	0.012		
11940	0.013		
12000	0.013		
12060	0.012		
12120	0.013		
12180	0.013		
12240	0.013		
12300	0.013		
12360	0.014		
12420	0.014		
12480	0.014		
12540	0.013		
12600	0.013		
12660	0.013		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
12720	0.017		
12780	0.016		
12840	0.014		
12900	0.014		
12960	0.014		
13020	0.014		
13080	0.014		
13140	0.014		
13200	0.014		
13260	0.015		
13320	0.017		
13380	0.016		
13440	0.016		
13500	0.017		
13560	0.017		
13620	0.017		
13680	0.025		
13740	0.019		
13800	0.018		
13860	0.02		
13920	0.019		
13980	0.016		
14040	0.016		
14100	0.017		
14160	0.017		
14220	0.018		
14280	0.022		
14340	0.017		
14400	0.019		
14460	0.019		
14520	0.02		
14580	0.018		
14640	0.018		
14700	0.018		
14760	0.026		
14820	0.02		
14880	0.019		
14940	0.022		
15000	0.018		
15060	0.018		
15120	0.022		
15180	0.019		
15240	0.019		
15300	0.02		
15360	0.019		
15420	0.019		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
15480	0.02		
15540	0.02		
15600	0.02		
15660	0.025		
15720	0.033		
15780	0.023		
15840	0.025		
15900	0.02		
15960	0.02		
16020	0.019		
16080	0.019		
16140	0.019		
16200	0.021		
16260	0.021		
16320	0.019		
16380	0.019		
16440	0.02		
16500	0.021		
16560	0.019		
16620	0.021		
16680	0.019		
16740	0.019		
16800	0.019		
16860	0.019		
16920	0.019		
16980	0.02		
17040	0.019		
17100	0.019		
17160	0.019		
17220	0.02		
17280	0.02		
17340	0.019		
17400	0.02		
17460	0.02		
17520	0.02		
17580	0.019		
17640	0.019		
17700	0.018		
17760	0.019		
17820	0.021		
17880	0.018		
17940	0.019		
18000	0.019		
18060	0.017		
18120	0.018		
18180	0.017		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
18240	0.017		
18300	0.017		
18360	0.017		
18420	0.018		
18480	0.017		
18540	0.017		
18600	0.016		
18660	0.016		
18720	0.016		
18780	0.017		
18840	0.016		
18900	0.015		
18960	0.018		
19020	0.015		
19080	0.016		
19140	0.017		
19200	0.017		
19260	0.017		
19320	0.017		
19380	0.019		
19440	0.016		
19500	0.017		
19560	0.017		
19620	0.016		
19680	0.017		
19740	0.016		
19800	0.016		
19860	0.016		
19920	0.016		
19980	0.018		
20040	0.018		
20100	0.018		
20160	0.017		
20220	0.017		
20280	0.018		
20340	0.016		
20400	0.017		
20460	0.016		
20520	0.018		
20580	0.016		
20640	0.016		
20700	0.015		
20760	0.016		
20820	0.016		
20880	0.017		
20940	0.016		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
21000	0.017		
21060	0.017		
21120	0.016		
21180	0.016		
21240	0.015		
21300	0.015		
21360	0.015		
21420	0.015		
21480	0.016		
21540	0.014		
21600	0.014		
21660	0.015		
21720	0.014		
21780	0.013		
21840	0.013		
21900	0.014		
21960	0.014		
22020	0.014		
22080	0.014		
22140	0.018		
22200	0.014		
22260	0.015		
22320	0.014		
22380	0.014		
22440	0.014		
22500	0.014		
22560	0.013		
22620	0.013		
22680	0.013		
22740	0.013		
22800	0.012		
22860	0.012		
22920	0.012		
22980	0.011		
23040	0.019		
23100	0.012		
23160	0.011		
23220	0.011		
23280	0.01		
23340	0.01		
23400	0.01		
23460	0.011		
23520	0.01		
23580	0.01		
23640	0.01		
23700	0.009		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
23760	0.008		
23820	0.008		
23880	0.008		
23940	0.008		
24000	0.007		
24060	0.007		
24120	0.009		
24180	0.008		
24240	0.01		
24300	0.009		
24360	0.009		
24420	0.011		
24480	0.012		
24540	0.01		
24600	0.009		
24660	0.01		
24720	0.009		
24780	0.008		
24840	0.008		
24900	0.008		
24960	0.008		
25020	0.009		
25080	0.009		
25140	0.011		
25200	0.009		

Instrument Name	DustTrak II_Upwind
Model Number	8530
Serial Number	8530141118
Firmware Version	3.1
Calibration Date	9/22/2022
Test Name	MANUAL_007
Test Start Time	9:00:15 AM
Test Start Date	8/9/2023
Test Length [D:H:M]	0:07:09
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.033
Mass Minimum [mg/m3]	0.025
Mass Maximum [mg/m3]	0.049
Mass TWA [mg/m3]	0.03
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	429

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.027		
120	0.026		
180	0.026		
240	0.026		
300	0.025		
360	0.026		
420	0.026		
480	0.025		
540	0.025		
600	0.026		
660	0.025		
720	0.026		
780	0.026		
840	0.025		
900	0.025		
960	0.025		
1020	0.025		
1080	0.025		
1140	0.025		
1200	0.025		
1260	0.025		
1320	0.025		
1380	0.026		
1440	0.027		
1500	0.026		
1560	0.027		
1620	0.028		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
1680	0.025		
1740	0.027		
1800	0.027		
1860	0.027		
1920	0.027		
1980	0.027		
2040	0.027		
2100	0.026		
2160	0.026		
2220	0.026		
2280	0.025		
2340	0.026		
2400	0.025		
2460	0.026		
2520	0.027		
2580	0.027		
2640	0.029		
2700	0.027		
2760	0.026		
2820	0.027		
2880	0.028		
2940	0.027		
3000	0.026		
3060	0.026		
3120	0.026		
3180	0.026		
3240	0.026		
3300	0.026		
3360	0.027		
3420	0.026		
3480	0.028		
3540	0.027		
3600	0.027		
3660	0.026		
3720	0.026		
3780	0.026		
3840	0.025		
3900	0.026		
3960	0.026		
4020	0.026		
4080	0.028		
4140	0.029		
4200	0.026		
4260	0.026		
4320	0.027		
4380	0.026		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
4440	0.026		
4500	0.027		
4560	0.026		
4620	0.026		
4680	0.028		
4740	0.026		
4800	0.026		
4860	0.027		
4920	0.027		
4980	0.028		
5040	0.027		
5100	0.028		
5160	0.028		
5220	0.027		
5280	0.027		
5340	0.027		
5400	0.027		
5460	0.027		
5520	0.027		
5580	0.027		
5640	0.028		
5700	0.028		
5760	0.027		
5820	0.027		
5880	0.027		
5940	0.029		
6000	0.028		
6060	0.028		
6120	0.029		
6180	0.028		
6240	0.028		
6300	0.029		
6360	0.029		
6420	0.034		
6480	0.029		
6540	0.029		
6600	0.028		
6660	0.028		
6720	0.028		
6780	0.028		
6840	0.028		
6900	0.029		
6960	0.028		
7020	0.028		
7080	0.029		
7140	0.029		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
7200	0.03		
7260	0.029		
7320	0.029		
7380	0.028		
7440	0.029		
7500	0.029		
7560	0.029		
7620	0.028		
7680	0.031		
7740	0.03		
7800	0.03		
7860	0.029		
7920	0.029		
7980	0.029		
8040	0.03		
8100	0.03		
8160	0.029		
8220	0.03		
8280	0.029		
8340	0.029		
8400	0.029		
8460	0.029		
8520	0.03		
8580	0.03		
8640	0.029		
8700	0.03		
8760	0.03		
8820	0.03		
8880	0.029		
8940	0.029		
9000	0.028		
9060	0.029		
9120	0.029		
9180	0.029		
9240	0.03		
9300	0.03		
9360	0.029		
9420	0.029		
9480	0.03		
9540	0.03		
9600	0.03		
9660	0.03		
9720	0.03		
9780	0.031		
9840	0.03		
9900	0.031		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
9960	0.031		
10020	0.032		
10080	0.031		
10140	0.031		
10200	0.031		
10260	0.03		
10320	0.031		
10380	0.031		
10440	0.032		
10500	0.031		
10560	0.032		
10620	0.032		
10680	0.032		
10740	0.032		
10800	0.032		
10860	0.031		
10920	0.032		
10980	0.032		
11040	0.031		
11100	0.031		
11160	0.032		
11220	0.031		
11280	0.032		
11340	0.032		
11400	0.032		
11460	0.032		
11520	0.032		
11580	0.032		
11640	0.032		
11700	0.032		
11760	0.032		
11820	0.032		
11880	0.033		
11940	0.034		
12000	0.033		
12060	0.033		
12120	0.033		
12180	0.033		
12240	0.033		
12300	0.034		
12360	0.035		
12420	0.033		
12480	0.034		
12540	0.035		
12600	0.034		
12660	0.034		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
12720	0.033		
12780	0.034		
12840	0.034		
12900	0.035		
12960	0.034		
13020	0.033		
13080	0.034		
13140	0.034		
13200	0.035		
13260	0.035		
13320	0.035		
13380	0.036		
13440	0.037		
13500	0.038		
13560	0.038		
13620	0.038		
13680	0.038		
13740	0.04		
13800	0.04		
13860	0.04		
13920	0.039		
13980	0.038		
14040	0.038		
14100	0.037		
14160	0.038		
14220	0.038		
14280	0.039		
14340	0.039		
14400	0.038		
14460	0.038		
14520	0.038		
14580	0.039		
14640	0.039		
14700	0.039		
14760	0.04		
14820	0.041		
14880	0.044		
14940	0.042		
15000	0.041		
15060	0.041		
15120	0.04		
15180	0.041		
15240	0.041		
15300	0.041		
15360	0.041		
15420	0.042		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
15480	0.043		
15540	0.044		
15600	0.044		
15660	0.042		
15720	0.043		
15780	0.043		
15840	0.044		
15900	0.044		
15960	0.042		
16020	0.043		
16080	0.043		
16140	0.041		
16200	0.041		
16260	0.041		
16320	0.041		
16380	0.042		
16440	0.046		
16500	0.042		
16560	0.043		
16620	0.044		
16680	0.043		
16740	0.045		
16800	0.049		
16860	0.043		
16920	0.043		
16980	0.043		
17040	0.043		
17100	0.043		
17160	0.042		
17220	0.042		
17280	0.042		
17340	0.042		
17400	0.042		
17460	0.042		
17520	0.043		
17580	0.043		
17640	0.041		
17700	0.042		
17760	0.042		
17820	0.042		
17880	0.042		
17940	0.042		
18000	0.041		
18060	0.042		
18120	0.042		
18180	0.041		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
18240	0.041		
18300	0.041		
18360	0.043		
18420	0.04		
18480	0.04		
18540	0.041		
18600	0.04		
18660	0.039		
18720	0.039		
18780	0.041		
18840	0.041		
18900	0.038		
18960	0.039		
19020	0.038		
19080	0.038		
19140	0.038		
19200	0.039		
19260	0.04		
19320	0.04		
19380	0.039		
19440	0.038		
19500	0.039		
19560	0.039		
19620	0.041		
19680	0.04		
19740	0.04		
19800	0.04		
19860	0.039		
19920	0.039		
19980	0.039		
20040	0.04		
20100	0.041		
20160	0.041		
20220	0.041		
20280	0.041		
20340	0.041		
20400	0.041		
20460	0.04		
20520	0.039		
20580	0.038		
20640	0.038		
20700	0.038		
20760	0.039		
20820	0.039		
20880	0.039		
20940	0.04		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
21000	0.04		
21060	0.04		
21120	0.04		
21180	0.039		
21240	0.04		
21300	0.04		
21360	0.039		
21420	0.039		
21480	0.038		
21540	0.039		
21600	0.038		
21660	0.039		
21720	0.041		
21780	0.04		
21840	0.045		
21900	0.045		
21960	0.042		
22020	0.037		
22080	0.038		
22140	0.038		
22200	0.039		
22260	0.038		
22320	0.036		
22380	0.036		
22440	0.036		
22500	0.036		
22560	0.037		
22620	0.037		
22680	0.036		
22740	0.036		
22800	0.035		
22860	0.035		
22920	0.037		
22980	0.035		
23040	0.033		
23100	0.033		
23160	0.032		
23220	0.033		
23280	0.033		
23340	0.033		
23400	0.032		
23460	0.032		
23520	0.033		
23580	0.032		
23640	0.033		
23700	0.032		

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
23760	0.031		
23820	0.03		
23880	0.03		
23940	0.03		
24000	0.03		
24060	0.03		
24120	0.03		
24180	0.03		
24240	0.031		
24300	0.03		
24360	0.03		
24420	0.032		
24480	0.032		
24540	0.031		
24600	0.032		
24660	0.031		
24720	0.032		
24780	0.03		
24840	0.03		
24900	0.03		
24960	0.03		
25020	0.03		
25080	0.03		
25140	0.029		
25200	0.029		
25260	0.029		
25320	0.034		
25380	0.029		
25440	0.03		
25500	0.029		
25560	0.029		
25620	0.03		
25680	0.032		
25740	0.035		

Instrument Name	DustTrak II_Downwind
Model Number	8530
Serial Number	8530121503
Firmware Version	3.1
Calibration Date	2/1/2023
Test Name	MANUAL_001
Test Start Time	10:00:13 AM
Test Start Date	12/13/2023
Test Length [D:H:M]	0:04:30
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.006
Mass Minimum [mg/m3]	0.005
Mass Maximum [mg/m3]	0.007
Mass TWA [mg/m3]	0.003
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	18

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.007		
1800	0.007		
2700	0.007		
3600	0.006		
4500	0.007		
5400	0.006		
6300	0.006		
7200	0.006		
8100	0.006		
9000	0.005		
9900	0.005		
10800	0.006		
11700	0.006		
12600	0.005		
13500	0.005		
14400	0.005		
15300	0.006		
16200	0.005		

Instrument Name	DustTrak II_Upwind
Model Number	8530
Serial Number	8530163502
Firmware Version	3.1
Calibration Date	12/5/2023
Test Name	MANUAL_001
Test Start Time	10:09:13 AM
Test Start Date	12/13/2023
Test Length [D:H:M]	0:04:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.008
Mass Minimum [mg/m3]	0.006
Mass Maximum [mg/m3]	0.009
Mass TWA [mg/m3]	0.004
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	17

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.009		
1800	0.009		
2700	0.009		
3600	0.008		
4500	0.007		
5400	0.007		
6300	0.007		
7200	0.007		
8100	0.008		
9000	0.009		
9900	0.007		
10800	0.007		
11700	0.007		
12600	0.007		
13500	0.006		
14400	0.007		
15300	0.007		

Instrument Name	DustTrak II_Downwind
Model Number	8530
Serial Number	8530121503
Firmware Version	3.1
Calibration Date	2/1/2023
Test Name	MANUAL_002
Test Start Time	10:17:35 AM
Test Start Date	12/14/2023
Test Length [D:H:M]	0:04:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.004
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.009
Mass TWA [mg/m3]	0.002
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	17

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0		
1800	0		
2700	0		
3600	0		
4500	0		
5400	0.001		
6300	0.001		
7200	0.003		
8100	0.004		
9000	0.005		
9900	0.007		
10800	0.007		
11700	0.008		
12600	0.007		
13500	0.009		
14400	0.009		
15300	0.009		

Instrument Name	DustTrak II_Upwind
Model Number	8530
Serial Number	8530163502
Firmware Version	3.1
Calibration Date	12/5/2023
Test Name	MANUAL_002
Test Start Time	10:16:02 AM
Test Start Date	12/14/2023
Test Length [D:H:M]	0:04:15
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.009
Mass Minimum [mg/m3]	0.006
Mass Maximum [mg/m3]	0.013
Mass TWA [mg/m3]	0.005
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	17

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.01		
1800	0.008		
2700	0.008		
3600	0.008		
4500	0.006		
5400	0.006		
6300	0.008		
7200	0.006		
8100	0.008		
9000	0.007		
9900	0.008		
10800	0.011		
11700	0.009		
12600	0.01		
13500	0.011		
14400	0.012		
15300	0.013		

Instrument Name	DustTrak II (downwind)
Model Number	8530
Serial Number	8530130716
Firmware Version	3.1
Calibration Date	6/26/2024
Test Name	MANUAL_001
Test Start Time	10:47:05 AM
Test Start Date	7/11/2024
Test Length [D:H:M]	0:08:57
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.005
Mass Minimum [mg/m3]	-0.007
Mass Maximum [mg/m3]	0.031
Mass TWA [mg/m3]	0.005
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	537

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.031		
120	-0.003		
180	-0.004		
240	-0.006		
300	-0.007		
360	-0.005		
420	-0.003		
480	0		
540	0		
600	0.002		
660	0.007		
720	0.004		
780	0.002		
840	0.001		
900	0.002		
960	0.002		
1020	0.001		
1080	0.001		
1140	0.001		
1200	0.002		
1260	0.002		
1320	0.002		
1380	0.002		
1440	0.002		

1500	0.002
1560	0.003
1620	0.004
1680	0.004
1740	0.004
1800	0.006
1860	0.005
1920	0.004
1980	0.004
2040	0.003
2100	0.003
2160	0.002
2220	0.003
2280	0.003
2340	0.003
2400	0.003
2460	0.003
2520	0.003
2580	0.003
2640	0.003
2700	0.003
2760	0.003
2820	0.004
2880	0.003
2940	0.003
3000	0.002
3060	0.003
3120	0.003
3180	0.003
3240	0.003
3300	0.003
3360	0.003
3420	0.003
3480	0.002
3540	0.002
3600	0.002
3660	0.003
3720	0.003
3780	0.003
3840	0.003
3900	0.003
3960	0.003
4020	0.003
4080	0.003

4140	0.003
4200	0.003
4260	0.003
4320	0.003
4380	0.004
4440	0.003
4500	0.003
4560	0.004
4620	0.003
4680	0.003
4740	0.004
4800	0.004
4860	0.004
4920	0.003
4980	0.003
5040	0.003
5100	0.003
5160	0.003
5220	0.003
5280	0.003
5340	0.003
5400	0.003
5460	0.003
5520	0.003
5580	0.003
5640	0.004
5700	0.003
5760	0.003
5820	0.003
5880	0.003
5940	0.003
6000	0.003
6060	0.004
6120	0.004
6180	0.003
6240	0.003
6300	0.003
6360	0.003
6420	0.003
6480	0.003
6540	0.004
6600	0.003
6660	0.004
6720	0.004

6780	0.004
6840	0.004
6900	0.004
6960	0.004
7020	0.004
7080	0.004
7140	0.004
7200	0.004
7260	0.004
7320	0.004
7380	0.004
7440	0.004
7500	0.004
7560	0.004
7620	0.004
7680	0.004
7740	0.004
7800	0.003
7860	0.003
7920	0.004
7980	0.004
8040	0.004
8100	0.004
8160	0.004
8220	0.003
8280	0.004
8340	0.005
8400	0.004
8460	0.004
8520	0.004
8580	0.004
8640	0.004
8700	0.004
8760	0.004
8820	0.004
8880	0.004
8940	0.004
9000	0.004
9060	0.005
9120	0.004
9180	0.004
9240	0.004
9300	0.004
9360	0.004

9420	0.005
9480	0.004
9540	0.005
9600	0.004
9660	0.005
9720	0.005
9780	0.004
9840	0.004
9900	0.005
9960	0.005
10020	0.005
10080	0.006
10140	0.005
10200	0.004
10260	0.004
10320	0.004
10380	0.004
10440	0.006
10500	0.005
10560	0.004
10620	0.005
10680	0.005
10740	0.005
10800	0.007
10860	0.004
10920	0.005
10980	0.004
11040	0.004
11100	0.004
11160	0.004
11220	0.004
11280	0.004
11340	0.004
11400	0.004
11460	0.004
11520	0.004
11580	0.004
11640	0.004
11700	0.004
11760	0.004
11820	0.004
11880	0.005
11940	0.004
12000	0.004

12060	0.004
12120	0.004
12180	0.005
12240	0.004
12300	0.004
12360	0.004
12420	0.004
12480	0.004
12540	0.004
12600	0.004
12660	0.004
12720	0.004
12780	0.004
12840	0.004
12900	0.004
12960	0.004
13020	0.005
13080	0.004
13140	0.004
13200	0.004
13260	0.006
13320	0.004
13380	0.004
13440	0.004
13500	0.004
13560	0.005
13620	0.004
13680	0.004
13740	0.004
13800	0.004
13860	0.005
13920	0.006
13980	0.006
14040	0.006
14100	0.006
14160	0.007
14220	0.007
14280	0.006
14340	0.006
14400	0.006
14460	0.007
14520	0.007
14580	0.008
14640	0.007

14700	0.006
14760	0.006
14820	0.006
14880	0.006
14940	0.007
15000	0.006
15060	0.006
15120	0.006
15180	0.005
15240	0.005
15300	0.005
15360	0.004
15420	0.004
15480	0.004
15540	0.004
15600	0.004
15660	0.003
15720	0.003
15780	0.003
15840	0.003
15900	0.003
15960	0.003
16020	0.003
16080	0.003
16140	0.003
16200	0.003
16260	0.004
16320	0.004
16380	0.003
16440	0.003
16500	0.002
16560	0.003
16620	0.003
16680	0.004
16740	0.004
16800	0.004
16860	0.004
16920	0.005
16980	0.004
17040	0.004
17100	0.004
17160	0.004
17220	0.004
17280	0.005

17340	0.005
17400	0.004
17460	0.005
17520	0.004
17580	0.004
17640	0.004
17700	0.004
17760	0.004
17820	0.004
17880	0.005
17940	0.005
18000	0.005
18060	0.005
18120	0.005
18180	0.005
18240	0.005
18300	0.006
18360	0.005
18420	0.005
18480	0.005
18540	0.005
18600	0.005
18660	0.005
18720	0.005
18780	0.005
18840	0.005
18900	0.005
18960	0.005
19020	0.005
19080	0.005
19140	0.005
19200	0.005
19260	0.005
19320	0.005
19380	0.005
19440	0.005
19500	0.005
19560	0.005
19620	0.005
19680	0.006
19740	0.006
19800	0.006
19860	0.006
19920	0.006

19980	0.006
20040	0.006
20100	0.006
20160	0.006
20220	0.006
20280	0.006
20340	0.006
20400	0.006
20460	0.006
20520	0.006
20580	0.006
20640	0.006
20700	0.006
20760	0.006
20820	0.006
20880	0.007
20940	0.006
21000	0.007
21060	0.007
21120	0.007
21180	0.007
21240	0.007
21300	0.007
21360	0.008
21420	0.008
21480	0.008
21540	0.008
21600	0.008
21660	0.008
21720	0.008
21780	0.008
21840	0.008
21900	0.008
21960	0.008
22020	0.007
22080	0.007
22140	0.007
22200	0.007
22260	0.007
22320	0.007
22380	0.016
22440	0.007
22500	0.007
22560	0.006

22620	0.007
22680	0.022
22740	0.006
22800	0.006
22860	0.006
22920	0.006
22980	0.006
23040	0.006
23100	0.006
23160	0.006
23220	0.006
23280	0.006
23340	0.006
23400	0.006
23460	0.006
23520	0.006
23580	0.007
23640	0.007
23700	0.006
23760	0.006
23820	0.005
23880	0.007
23940	0.006
24000	0.006
24060	0.007
24120	0.006
24180	0.006
24240	0.006
24300	0.006
24360	0.006
24420	0.006
24480	0.007
24540	0.007
24600	0.007
24660	0.01
24720	0.007
24780	0.007
24840	0.009
24900	0.006
24960	0.006
25020	0.007
25080	0.007
25140	0.007
25200	0.007

25260	0.007
25320	0.007
25380	0.007
25440	0.007
25500	0.007
25560	0.007
25620	0.007
25680	0.007
25740	0.007
25800	0.007
25860	0.007
25920	0.007
25980	0.007
26040	0.007
26100	0.007
26160	0.007
26220	0.007
26280	0.007
26340	0.007
26400	0.008
26460	0.008
26520	0.008
26580	0.008
26640	0.008
26700	0.007
26760	0.008
26820	0.008
26880	0.008
26940	0.008
27000	0.008
27060	0.008
27120	0.008
27180	0.008
27240	0.008
27300	0.008
27360	0.008
27420	0.008
27480	0.008
27540	0.008
27600	0.008
27660	0.008
27720	0.008
27780	0.008
27840	0.009

27900	0.009
27960	0.009
28020	0.009
28080	0.008
28140	0.009
28200	0.009
28260	0.009
28320	0.009
28380	0.009
28440	0.009
28500	0.009
28560	0.01
28620	0.009
28680	0.01
28740	0.01
28800	0.01
28860	0.01
28920	0.01
28980	0.011
29040	0.011
29100	0.01
29160	0.01
29220	0.01
29280	0.011
29340	0.01
29400	0.011
29460	0.011
29520	0.011
29580	0.011
29640	0.011
29700	0.013
29760	0.013
29820	0.012
29880	0.011
29940	0.011
30000	0.01
30060	0.01
30120	0.009
30180	0.009
30240	0.009
30300	0.009
30360	0.009
30420	0.009
30480	0.009

30540	0.009
30600	0.009
30660	0.01
30720	0.009
30780	0.009
30840	0.009
30900	0.009
30960	0.01
31020	0.01
31080	0.01
31140	0.01
31200	0.009
31260	0.01
31320	0.009
31380	0.009
31440	0.009
31500	0.009
31560	0.01
31620	0.009
31680	0.009
31740	0.008
31800	0.009
31860	0.008
31920	0.008
31980	0.008
32040	0.008
32100	0.008
32160	0.009
32220	0.009

Instrument Name	DustTrak II (upwind)
Model Number	8530
Serial Number	8530142605
Firmware Version	3.1
Calibration Date	6/3/2024
Test Name	MANUAL_001
Test Start Time	10:48:04 AM
Test Start Date	7/11/2024
Test Length [D:H:M]	0:08:59
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.004
Mass Minimum [mg/m3]	0.001
Mass Maximum [mg/m3]	0.035
Mass TWA [mg/m3]	0.003
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	539

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.035		
120	0.001		
180	0.001		
240	0.001		
300	0.001		
360	0.003		
420	0.001		
480	0.003		
540	0.004		
600	0.008		
660	0.009		
720	0.005		
780	0.003		
840	0.004		
900	0.004		
960	0.003		
1020	0.005		
1080	0.001		
1140	0.001		
1200	0.001		
1260	0.002		
1320	0.001		
1380	0.001		
1440	0.001		

1500	0.001
1560	0.004
1620	0.003
1680	0.004
1740	0.004
1800	0.005
1860	0.004
1920	0.003
1980	0.001
2040	0.001
2100	0.001
2160	0.001
2220	0.001
2280	0.003
2340	0.001
2400	0.001
2460	0.001
2520	0.001
2580	0.002
2640	0.001
2700	0.001
2760	0.002
2820	0.001
2880	0.001
2940	0.001
3000	0.002
3060	0.001
3120	0.001
3180	0.001
3240	0.002
3300	0.002
3360	0.001
3420	0.001
3480	0.001
3540	0.001
3600	0.001
3660	0.001
3720	0.001
3780	0.001
3840	0.002
3900	0.001
3960	0.001
4020	0.002
4080	0.001

4140	0.001
4200	0.001
4260	0.001
4320	0.001
4380	0.001
4440	0.001
4500	0.001
4560	0.002
4620	0.002
4680	0.002
4740	0.002
4800	0.002
4860	0.002
4920	0.002
4980	0.001
5040	0.001
5100	0.001
5160	0.001
5220	0.002
5280	0.001
5340	0.001
5400	0.001
5460	0.001
5520	0.001
5580	0.001
5640	0.001
5700	0.001
5760	0.001
5820	0.001
5880	0.001
5940	0.001
6000	0.001
6060	0.001
6120	0.001
6180	0.001
6240	0.001
6300	0.001
6360	0.001
6420	0.001
6480	0.001
6540	0.002
6600	0.002
6660	0.002
6720	0.002

6780	0.002
6840	0.002
6900	0.002
6960	0.002
7020	0.002
7080	0.001
7140	0.002
7200	0.002
7260	0.002
7320	0.002
7380	0.002
7440	0.002
7500	0.002
7560	0.001
7620	0.002
7680	0.001
7740	0.002
7800	0.003
7860	0.001
7920	0.002
7980	0.001
8040	0.001
8100	0.002
8160	0.001
8220	0.002
8280	0.002
8340	0.002
8400	0.002
8460	0.002
8520	0.002
8580	0.002
8640	0.002
8700	0.002
8760	0.002
8820	0.002
8880	0.002
8940	0.002
9000	0.002
9060	0.002
9120	0.002
9180	0.002
9240	0.002
9300	0.002
9360	0.003

9420	0.002
9480	0.002
9540	0.002
9600	0.002
9660	0.002
9720	0.002
9780	0.002
9840	0.003
9900	0.003
9960	0.003
10020	0.003
10080	0.003
10140	0.003
10200	0.002
10260	0.002
10320	0.003
10380	0.002
10440	0.003
10500	0.002
10560	0.003
10620	0.002
10680	0.003
10740	0.003
10800	0.003
10860	0.003
10920	0.003
10980	0.003
11040	0.002
11100	0.002
11160	0.002
11220	0.002
11280	0.002
11340	0.002
11400	0.002
11460	0.002
11520	0.002
11580	0.002
11640	0.002
11700	0.002
11760	0.002
11820	0.002
11880	0.002
11940	0.003
12000	0.003

12060	0.002
12120	0.002
12180	0.003
12240	0.002
12300	0.003
12360	0.002
12420	0.002
12480	0.002
12540	0.002
12600	0.002
12660	0.002
12720	0.002
12780	0.002
12840	0.002
12900	0.002
12960	0.002
13020	0.002
13080	0.002
13140	0.002
13200	0.002
13260	0.002
13320	0.002
13380	0.002
13440	0.002
13500	0.002
13560	0.002
13620	0.002
13680	0.002
13740	0.002
13800	0.003
13860	0.004
13920	0.004
13980	0.004
14040	0.004
14100	0.004
14160	0.004
14220	0.004
14280	0.004
14340	0.004
14400	0.004
14460	0.004
14520	0.004
14580	0.004
14640	0.004

14700	0.004
14760	0.004
14820	0.003
14880	0.003
14940	0.003
15000	0.003
15060	0.003
15120	0.003
15180	0.003
15240	0.003
15300	0.002
15360	0.002
15420	0.002
15480	0.002
15540	0.002
15600	0.001
15660	0.001
15720	0.001
15780	0.001
15840	0.001
15900	0.001
15960	0.001
16020	0.002
16080	0.001
16140	0.001
16200	0.001
16260	0.002
16320	0.001
16380	0.001
16440	0.001
16500	0.001
16560	0.001
16620	0.002
16680	0.002
16740	0.002
16800	0.003
16860	0.002
16920	0.002
16980	0.002
17040	0.002
17100	0.002
17160	0.002
17220	0.002
17280	0.003

17340	0.002
17400	0.002
17460	0.003
17520	0.003
17580	0.003
17640	0.003
17700	0.003
17760	0.003
17820	0.003
17880	0.003
17940	0.003
18000	0.003
18060	0.003
18120	0.003
18180	0.003
18240	0.003
18300	0.003
18360	0.003
18420	0.003
18480	0.004
18540	0.003
18600	0.004
18660	0.003
18720	0.003
18780	0.003
18840	0.003
18900	0.003
18960	0.003
19020	0.003
19080	0.003
19140	0.003
19200	0.003
19260	0.004
19320	0.004
19380	0.004
19440	0.004
19500	0.004
19560	0.005
19620	0.004
19680	0.004
19740	0.005
19800	0.005
19860	0.005
19920	0.005

19980	0.005
20040	0.005
20100	0.005
20160	0.005
20220	0.005
20280	0.004
20340	0.004
20400	0.005
20460	0.005
20520	0.005
20580	0.005
20640	0.005
20700	0.005
20760	0.005
20820	0.005
20880	0.005
20940	0.006
21000	0.006
21060	0.007
21120	0.006
21180	0.006
21240	0.006
21300	0.006
21360	0.006
21420	0.007
21480	0.006
21540	0.006
21600	0.006
21660	0.006
21720	0.007
21780	0.006
21840	0.006
21900	0.005
21960	0.005
22020	0.005
22080	0.005
22140	0.006
22200	0.006
22260	0.006
22320	0.005
22380	0.005
22440	0.005
22500	0.005
22560	0.004

22620	0.004
22680	0.005
22740	0.005
22800	0.005
22860	0.004
22920	0.004
22980	0.004
23040	0.004
23100	0.004
23160	0.004
23220	0.004
23280	0.005
23340	0.005
23400	0.005
23460	0.005
23520	0.005
23580	0.005
23640	0.005
23700	0.004
23760	0.004
23820	0.004
23880	0.005
23940	0.005
24000	0.005
24060	0.005
24120	0.005
24180	0.005
24240	0.005
24300	0.005
24360	0.005
24420	0.009
24480	0.005
24540	0.006
24600	0.006
24660	0.007
24720	0.007
24780	0.005
24840	0.005
24900	0.005
24960	0.006
25020	0.005
25080	0.006
25140	0.006
25200	0.006

25260	0.005
25320	0.006
25380	0.006
25440	0.005
25500	0.006
25560	0.006
25620	0.006
25680	0.006
25740	0.006
25800	0.006
25860	0.006
25920	0.006
25980	0.006
26040	0.006
26100	0.006
26160	0.006
26220	0.006
26280	0.006
26340	0.006
26400	0.006
26460	0.007
26520	0.006
26580	0.006
26640	0.006
26700	0.006
26760	0.006
26820	0.007
26880	0.007
26940	0.007
27000	0.007
27060	0.007
27120	0.007
27180	0.007
27240	0.007
27300	0.007
27360	0.007
27420	0.007
27480	0.007
27540	0.007
27600	0.007
27660	0.007
27720	0.007
27780	0.007
27840	0.007

27900	0.008
27960	0.007
28020	0.008
28080	0.007
28140	0.008
28200	0.008
28260	0.008
28320	0.008
28380	0.008
28440	0.008
28500	0.008
28560	0.008
28620	0.008
28680	0.008
28740	0.009
28800	0.009
28860	0.009
28920	0.009
28980	0.01
29040	0.009
29100	0.009
29160	0.009
29220	0.009
29280	0.009
29340	0.009
29400	0.009
29460	0.01
29520	0.01
29580	0.01
29640	0.011
29700	0.011
29760	0.01
29820	0.011
29880	0.01
29940	0.009
30000	0.008
30060	0.008
30120	0.008
30180	0.008
30240	0.008
30300	0.008
30360	0.008
30420	0.008
30480	0.008

30540	0.008
30600	0.008
30660	0.008
30720	0.008
30780	0.008
30840	0.008
30900	0.008
30960	0.008
31020	0.008
31080	0.008
31140	0.008
31200	0.008
31260	0.008
31320	0.008
31380	0.008
31440	0.007
31500	0.008
31560	0.008
31620	0.007
31680	0.007
31740	0.008
31800	0.007
31860	0.006
31920	0.006
31980	0.006
32040	0.007
32100	0.008
32160	0.007
32220	0.007
32280	0.007
32340	0.007

Instrument Name	DustTrak II (Downwind)
Model Number	8530
Serial Number	8530130716
Firmware Version	3.1
Calibration Date	6/26/2024
Test Name	MANUAL_002
Test Start Time	7:28:08 AM
Test Start Date	7/12/2024
Test Length [D:H:M]	0:08:29
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.018
Mass Minimum [mg/m3]	0.013
Mass Maximum [mg/m3]	0.042
Mass TWA [mg/m3]	0.017
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	509

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.029		
120	0.013		
180	0.013		
240	0.013		
300	0.013		
360	0.013		
420	0.013		
480	0.013		
540	0.013		
600	0.013		
660	0.013		
720	0.013		
780	0.013		
840	0.013		
900	0.013		
960	0.013		
1020	0.013		
1080	0.014		
1140	0.013		
1200	0.014		
1260	0.014		
1320	0.014		
1380	0.014		
1440	0.013		

1500	0.014
1560	0.014
1620	0.014
1680	0.014
1740	0.015
1800	0.015
1860	0.015
1920	0.014
1980	0.015
2040	0.015
2100	0.015
2160	0.015
2220	0.015
2280	0.017
2340	0.016
2400	0.015
2460	0.015
2520	0.015
2580	0.015
2640	0.015
2700	0.015
2760	0.015
2820	0.015
2880	0.015
2940	0.015
3000	0.015
3060	0.015
3120	0.015
3180	0.015
3240	0.015
3300	0.014
3360	0.014
3420	0.014
3480	0.014
3540	0.014
3600	0.014
3660	0.014
3720	0.014
3780	0.014
3840	0.014
3900	0.014
3960	0.014
4020	0.014
4080	0.014

4140	0.014
4200	0.014
4260	0.014
4320	0.015
4380	0.014
4440	0.014
4500	0.014
4560	0.014
4620	0.014
4680	0.016
4740	0.015
4800	0.015
4860	0.016
4920	0.014
4980	0.014
5040	0.014
5100	0.014
5160	0.014
5220	0.014
5280	0.014
5340	0.015
5400	0.014
5460	0.014
5520	0.014
5580	0.014
5640	0.014
5700	0.014
5760	0.014
5820	0.014
5880	0.015
5940	0.015
6000	0.016
6060	0.017
6120	0.016
6180	0.016
6240	0.016
6300	0.015
6360	0.015
6420	0.016
6480	0.017
6540	0.015
6600	0.015
6660	0.016
6720	0.016

6780	0.015
6840	0.015
6900	0.016
6960	0.016
7020	0.016
7080	0.016
7140	0.016
7200	0.015
7260	0.015
7320	0.016
7380	0.016
7440	0.016
7500	0.016
7560	0.016
7620	0.016
7680	0.016
7740	0.016
7800	0.016
7860	0.016
7920	0.016
7980	0.016
8040	0.016
8100	0.016
8160	0.015
8220	0.016
8280	0.016
8340	0.016
8400	0.016
8460	0.016
8520	0.016
8580	0.016
8640	0.016
8700	0.016
8760	0.016
8820	0.016
8880	0.017
8940	0.016
9000	0.016
9060	0.016
9120	0.016
9180	0.016
9240	0.016
9300	0.016
9360	0.016

9420	0.016
9480	0.016
9540	0.016
9600	0.016
9660	0.016
9720	0.016
9780	0.016
9840	0.016
9900	0.016
9960	0.016
10020	0.016
10080	0.016
10140	0.016
10200	0.024
10260	0.025
10320	0.022
10380	0.018
10440	0.018
10500	0.017
10560	0.019
10620	0.016
10680	0.016
10740	0.016
10800	0.016
10860	0.017
10920	0.016
10980	0.016
11040	0.016
11100	0.016
11160	0.017
11220	0.016
11280	0.016
11340	0.016
11400	0.016
11460	0.016
11520	0.016
11580	0.017
11640	0.016
11700	0.016
11760	0.016
11820	0.016
11880	0.016
11940	0.016
12000	0.016

12060	0.016
12120	0.016
12180	0.017
12240	0.016
12300	0.016
12360	0.016
12420	0.016
12480	0.016
12540	0.016
12600	0.016
12660	0.017
12720	0.018
12780	0.016
12840	0.016
12900	0.017
12960	0.017
13020	0.018
13080	0.017
13140	0.017
13200	0.017
13260	0.017
13320	0.017
13380	0.017
13440	0.017
13500	0.018
13560	0.017
13620	0.017
13680	0.017
13740	0.017
13800	0.017
13860	0.017
13920	0.017
13980	0.017
14040	0.017
14100	0.017
14160	0.017
14220	0.017
14280	0.017
14340	0.017
14400	0.017
14460	0.017
14520	0.017
14580	0.017
14640	0.017

14700	0.016
14760	0.017
14820	0.016
14880	0.016
14940	0.016
15000	0.016
15060	0.015
15120	0.015
15180	0.014
15240	0.014
15300	0.015
15360	0.015
15420	0.015
15480	0.015
15540	0.015
15600	0.015
15660	0.014
15720	0.015
15780	0.014
15840	0.016
15900	0.014
15960	0.014
16020	0.014
16080	0.014
16140	0.015
16200	0.015
16260	0.014
16320	0.014
16380	0.014
16440	0.014
16500	0.015
16560	0.015
16620	0.014
16680	0.015
16740	0.015
16800	0.015
16860	0.015
16920	0.015
16980	0.015
17040	0.016
17100	0.015
17160	0.015
17220	0.015
17280	0.015

17340	0.015
17400	0.015
17460	0.015
17520	0.015
17580	0.016
17640	0.016
17700	0.015
17760	0.016
17820	0.016
17880	0.016
17940	0.016
18000	0.016
18060	0.016
18120	0.016
18180	0.016
18240	0.017
18300	0.017
18360	0.016
18420	0.016
18480	0.016
18540	0.017
18600	0.016
18660	0.016
18720	0.017
18780	0.017
18840	0.017
18900	0.017
18960	0.016
19020	0.017
19080	0.016
19140	0.017
19200	0.016
19260	0.016
19320	0.016
19380	0.016
19440	0.017
19500	0.017
19560	0.017
19620	0.017
19680	0.017
19740	0.017
19800	0.017
19860	0.017
19920	0.017

19980	0.017
20040	0.017
20100	0.017
20160	0.017
20220	0.017
20280	0.017
20340	0.017
20400	0.017
20460	0.018
20520	0.018
20580	0.018
20640	0.019
20700	0.018
20760	0.018
20820	0.018
20880	0.018
20940	0.018
21000	0.019
21060	0.019
21120	0.02
21180	0.02
21240	0.02
21300	0.02
21360	0.02
21420	0.02
21480	0.02
21540	0.02
21600	0.021
21660	0.02
21720	0.02
21780	0.02
21840	0.02
21900	0.02
21960	0.02
22020	0.02
22080	0.02
22140	0.02
22200	0.02
22260	0.02
22320	0.02
22380	0.02
22440	0.02
22500	0.021
22560	0.021

22620	0.021
22680	0.021
22740	0.021
22800	0.021
22860	0.021
22920	0.022
22980	0.021
23040	0.022
23100	0.022
23160	0.022
23220	0.022
23280	0.022
23340	0.022
23400	0.022
23460	0.022
23520	0.022
23580	0.021
23640	0.022
23700	0.022
23760	0.021
23820	0.021
23880	0.021
23940	0.021
24000	0.022
24060	0.022
24120	0.022
24180	0.022
24240	0.022
24300	0.022
24360	0.022
24420	0.022
24480	0.022
24540	0.022
24600	0.022
24660	0.022
24720	0.022
24780	0.022
24840	0.022
24900	0.022
24960	0.022
25020	0.022
25080	0.022
25140	0.022
25200	0.022

25260	0.022
25320	0.022
25380	0.022
25440	0.022
25500	0.022
25560	0.021
25620	0.022
25680	0.022
25740	0.022
25800	0.022
25860	0.022
25920	0.023
25980	0.022
26040	0.022
26100	0.022
26160	0.022
26220	0.022
26280	0.022
26340	0.022
26400	0.022
26460	0.022
26520	0.022
26580	0.022
26640	0.022
26700	0.022
26760	0.022
26820	0.022
26880	0.022
26940	0.022
27000	0.022
27060	0.021
27120	0.021
27180	0.021
27240	0.021
27300	0.021
27360	0.022
27420	0.022
27480	0.022
27540	0.022
27600	0.022
27660	0.022
27720	0.022
27780	0.022
27840	0.022

27900	0.023
27960	0.021
28020	0.022
28080	0.022
28140	0.022
28200	0.022
28260	0.022
28320	0.022
28380	0.024
28440	0.024
28500	0.023
28560	0.023
28620	0.023
28680	0.023
28740	0.023
28800	0.023
28860	0.023
28920	0.022
28980	0.022
29040	0.023
29100	0.025
29160	0.026
29220	0.026
29280	0.042
29340	0.03
29400	0.022
29460	0.022
29520	0.023
29580	0.021
29640	0.022
29700	0.022
29760	0.021
29820	0.021
29880	0.021
29940	0.021
30000	0.021
30060	0.021
30120	0.021
30180	0.024
30240	0.021
30300	0.021
30360	0.021
30420	0.021
30480	0.021

30540	0.021

Instrument Name	DustTrak II (Upwind)
Model Number	8530
Serial Number	8530142605
Firmware Version	3.1
Calibration Date	6/3/2024
Test Name	MANUAL_002
Test Start Time	7:28:27 AM
Test Start Date	7/12/2024
Test Length [D:H:M]	0:08:28
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.014
Mass Minimum [mg/m3]	0.01
Mass Maximum [mg/m3]	0.11
Mass TWA [mg/m3]	0.014
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	508

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.011		
120	0.012		
180	0.01		
240	0.01		
300	0.01		
360	0.011		
420	0.01		
480	0.01		
540	0.01		
600	0.01		
660	0.01		
720	0.01		
780	0.01		
840	0.011		
900	0.01		
960	0.01		
1020	0.011		
1080	0.011		
1140	0.011		
1200	0.011		
1260	0.011		
1320	0.011		
1380	0.011		
1440	0.011		

1500	0.011
1560	0.011
1620	0.012
1680	0.012
1740	0.011
1800	0.012
1860	0.012
1920	0.011
1980	0.011
2040	0.012
2100	0.012
2160	0.012
2220	0.012
2280	0.012
2340	0.012
2400	0.012
2460	0.012
2520	0.012
2580	0.012
2640	0.013
2700	0.012
2760	0.012
2820	0.012
2880	0.012
2940	0.012
3000	0.012
3060	0.012
3120	0.012
3180	0.012
3240	0.011
3300	0.012
3360	0.012
3420	0.012
3480	0.011
3540	0.012
3600	0.012
3660	0.012
3720	0.012
3780	0.012
3840	0.012
3900	0.012
3960	0.012
4020	0.012
4080	0.012

4140	0.012
4200	0.012
4260	0.012
4320	0.012
4380	0.012
4440	0.012
4500	0.012
4560	0.012
4620	0.014
4680	0.013
4740	0.013
4800	0.013
4860	0.012
4920	0.013
4980	0.012
5040	0.012
5100	0.012
5160	0.012
5220	0.013
5280	0.012
5340	0.012
5400	0.012
5460	0.012
5520	0.012
5580	0.012
5640	0.012
5700	0.012
5760	0.012
5820	0.012
5880	0.012
5940	0.013
6000	0.013
6060	0.013
6120	0.013
6180	0.013
6240	0.013
6300	0.013
6360	0.013
6420	0.013
6480	0.013
6540	0.013
6600	0.013
6660	0.013
6720	0.013

6780	0.014
6840	0.013
6900	0.013
6960	0.013
7020	0.013
7080	0.013
7140	0.013
7200	0.013
7260	0.013
7320	0.013
7380	0.014
7440	0.013
7500	0.014
7560	0.013
7620	0.014
7680	0.013
7740	0.014
7800	0.013
7860	0.013
7920	0.013
7980	0.013
8040	0.014
8100	0.013
8160	0.013
8220	0.013
8280	0.013
8340	0.013
8400	0.012
8460	0.013
8520	0.013
8580	0.013
8640	0.013
8700	0.013
8760	0.013
8820	0.013
8880	0.013
8940	0.013
9000	0.012
9060	0.013
9120	0.012
9180	0.013
9240	0.013
9300	0.013
9360	0.012

9420	0.012
9480	0.013
9540	0.013
9600	0.013
9660	0.013
9720	0.013
9780	0.012
9840	0.013
9900	0.013
9960	0.013
10020	0.012
10080	0.013
10140	0.014
10200	0.087
10260	0.022
10320	0.015
10380	0.016
10440	0.017
10500	0.11
10560	0.013
10620	0.012
10680	0.012
10740	0.013
10800	0.013
10860	0.013
10920	0.013
10980	0.014
11040	0.013
11100	0.013
11160	0.014
11220	0.013
11280	0.013
11340	0.013
11400	0.014
11460	0.013
11520	0.013
11580	0.013
11640	0.013
11700	0.013
11760	0.012
11820	0.012
11880	0.012
11940	0.013
12000	0.013

12060	0.013
12120	0.013
12180	0.015
12240	0.014
12300	0.013
12360	0.013
12420	0.013
12480	0.013
12540	0.013
12600	0.013
12660	0.013
12720	0.013
12780	0.013
12840	0.014
12900	0.014
12960	0.014
13020	0.014
13080	0.014
13140	0.013
13200	0.014
13260	0.014
13320	0.014
13380	0.013
13440	0.014
13500	0.013
13560	0.014
13620	0.014
13680	0.013
13740	0.013
13800	0.013
13860	0.014
13920	0.013
13980	0.013
14040	0.013
14100	0.013
14160	0.013
14220	0.013
14280	0.013
14340	0.013
14400	0.013
14460	0.013
14520	0.013
14580	0.013
14640	0.013

14700	0.013
14760	0.013
14820	0.013
14880	0.012
14940	0.012
15000	0.012
15060	0.011
15120	0.011
15180	0.012
15240	0.011
15300	0.011
15360	0.015
15420	0.019
15480	0.021
15540	0.012
15600	0.011
15660	0.011
15720	0.011
15780	0.011
15840	0.011
15900	0.012
15960	0.011
16020	0.011
16080	0.011
16140	0.011
16200	0.011
16260	0.011
16320	0.011
16380	0.011
16440	0.011
16500	0.011
16560	0.011
16620	0.011
16680	0.012
16740	0.012
16800	0.012
16860	0.012
16920	0.012
16980	0.012
17040	0.012
17100	0.012
17160	0.012
17220	0.012
17280	0.012

17340	0.012
17400	0.013
17460	0.012
17520	0.012
17580	0.013
17640	0.012
17700	0.012
17760	0.013
17820	0.013
17880	0.013
17940	0.013
18000	0.013
18060	0.013
18120	0.014
18180	0.013
18240	0.013
18300	0.013
18360	0.013
18420	0.013
18480	0.012
18540	0.013
18600	0.013
18660	0.013
18720	0.013
18780	0.013
18840	0.013
18900	0.013
18960	0.013
19020	0.013
19080	0.013
19140	0.013
19200	0.013
19260	0.013
19320	0.013
19380	0.013
19440	0.013
19500	0.013
19560	0.013
19620	0.013
19680	0.013
19740	0.013
19800	0.013
19860	0.013
19920	0.013

19980	0.013
20040	0.013
20100	0.013
20160	0.013
20220	0.013
20280	0.013
20340	0.013
20400	0.014
20460	0.014
20520	0.014
20580	0.014
20640	0.014
20700	0.014
20760	0.013
20820	0.014
20880	0.014
20940	0.015
21000	0.015
21060	0.015
21120	0.015
21180	0.016
21240	0.015
21300	0.016
21360	0.016
21420	0.016
21480	0.016
21540	0.016
21600	0.016
21660	0.016
21720	0.016
21780	0.016
21840	0.017
21900	0.016
21960	0.017
22020	0.016
22080	0.016
22140	0.016
22200	0.016
22260	0.016
22320	0.016
22380	0.017
22440	0.016
22500	0.017
22560	0.017

22620	0.017
22680	0.017
22740	0.016
22800	0.016
22860	0.017
22920	0.017
22980	0.017
23040	0.018
23100	0.018
23160	0.018
23220	0.017
23280	0.017
23340	0.017
23400	0.017
23460	0.017
23520	0.017
23580	0.017
23640	0.017
23700	0.017
23760	0.017
23820	0.017
23880	0.018
23940	0.018
24000	0.017
24060	0.017
24120	0.017
24180	0.018
24240	0.018
24300	0.018
24360	0.018
24420	0.018
24480	0.018
24540	0.018
24600	0.018
24660	0.018
24720	0.017
24780	0.017
24840	0.017
24900	0.017
24960	0.017
25020	0.017
25080	0.017
25140	0.017
25200	0.017

25260	0.017
25320	0.017
25380	0.018
25440	0.017
25500	0.017
25560	0.017
25620	0.018
25680	0.018
25740	0.018
25800	0.018
25860	0.018
25920	0.018
25980	0.018
26040	0.018
26100	0.018
26160	0.018
26220	0.018
26280	0.018
26340	0.018
26400	0.018
26460	0.018
26520	0.018
26580	0.018
26640	0.018
26700	0.018
26760	0.018
26820	0.017
26880	0.017
26940	0.018
27000	0.017
27060	0.017
27120	0.017
27180	0.017
27240	0.017
27300	0.017
27360	0.018
27420	0.018
27480	0.017
27540	0.017
27600	0.017
27660	0.017
27720	0.018
27780	0.018
27840	0.02

27900	0.017
27960	0.018
28020	0.017
28080	0.017
28140	0.017
28200	0.017
28260	0.018
28320	0.018
28380	0.018
28440	0.018
28500	0.018
28560	0.018
28620	0.018
28680	0.018
28740	0.018
28800	0.018
28860	0.019
28920	0.018
28980	0.019
29040	0.024
29100	0.022
29160	0.022
29220	0.022
29280	0.025
29340	0.019
29400	0.017
29460	0.018
29520	0.017
29580	0.017
29640	0.018
29700	0.017
29760	0.017
29820	0.017
29880	0.016
29940	0.017
30000	0.017
30060	0.017
30120	0.017
30180	0.017
30240	0.017
30300	0.017
30360	0.017
30420	0.016
30480	0.017

D Laboratory Reports

ANALYTICAL REPORT

Lab Number:	L2344350
Client:	WSP 40 La Riviere Drive Suite 320 Buffalo, NY 14202
ATTN:	Drew Bullinger
Phone:	(716) 204-5880
Project Name:	LOUCKS ROAD EXTENSION
Project Number:	EE1705007.0032
Report Date:	08/15/23

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2344350
Report Date: 08/15/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2344350-01	SB26-Z0-2	SOIL	EAST SYRACUSE, DEWITT	07/31/23 14:09	08/01/23
L2344350-02	SB26-Z6-12	SOIL	EAST SYRACUSE, DEWITT	07/31/23 14:10	08/01/23
L2344350-03	SB29-Z0-2	SOIL	EAST SYRACUSE, DEWITT	07/31/23 13:54	08/01/23
L2344350-04	SB29-Z6-12	SOIL	EAST SYRACUSE, DEWITT	07/31/23 13:55	08/01/23
L2344350-05	SB38-Z0-2	SOIL	EAST SYRACUSE, DEWITT	07/31/23 13:44	08/01/23
L2344350-06	SB38-Z6-12	SOIL	EAST SYRACUSE, DEWITT	07/31/23 13:45	08/01/23
L2344350-07	SB40-Z0-2	SOIL	EAST SYRACUSE, DEWITT	07/31/23 13:20	08/01/23
L2344350-08	SB40-Z6-12	SOIL	EAST SYRACUSE, DEWITT	07/31/23 13:21	08/01/23
L2344350-09	SB42-Z0-2	SOIL	EAST SYRACUSE, DEWITT	07/31/23 14:49	08/01/23
L2344350-10	SB42-Z6-12	SOIL	EAST SYRACUSE, DEWITT	07/31/23 14:50	08/01/23
L2344350-11	SB42-Z6-12-Q	SOIL	EAST SYRACUSE, DEWITT	07/31/23 15:00	08/01/23
L2344350-12	SB43-Z0-2	SOIL	EAST SYRACUSE, DEWITT	07/31/23 16:44	08/01/23
L2344350-13	SB43-Z6-12	SOIL	EAST SYRACUSE, DEWITT	07/31/23 16:45	08/01/23
L2344350-14	SB44-Z0-2	SOIL	EAST SYRACUSE, DEWITT	07/31/23 15:04	08/01/23
L2344350-15	SB44-Z6-12	SOIL	EAST SYRACUSE, DEWITT	07/31/23 15:05	08/01/23
L2344350-16	SB45-Z0-2	SOIL	EAST SYRACUSE, DEWITT	07/31/23 16:34	08/01/23
L2344350-17	SB45-Z6-12	SOIL	EAST SYRACUSE, DEWITT	07/31/23 16:35	08/01/23
L2344350-18	RINSATE-07312023	WATER	EAST SYRACUSE, DEWITT	07/31/23 17:11	08/01/23
L2344350-19	SB46-Z0-2	SOIL	EAST SYRACUSE, DEWITT	07/31/23 15:24	08/01/23
L2344350-20	SB46-Z6-12	SOIL	EAST SYRACUSE, DEWITT	07/31/23 15:25	08/01/23
L2344350-21	SB47-Z0-2	SOIL	EAST SYRACUSE, DEWITT	07/31/23 16:15	08/01/23
L2344350-22	SB47-Z6-12	SOIL	EAST SYRACUSE, DEWITT	07/31/23 16:16	08/01/23
L2344350-23	SB48-Z0-2	SOIL	EAST SYRACUSE, DEWITT	07/31/23 15:54	08/01/23
L2344350-24	SB48-Z6-12	SOIL	EAST SYRACUSE, DEWITT	07/31/23 15:55	08/01/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2344350-25	SB41-Z0-2	SOIL	EAST SYRACUSE, DEWITT	08/01/23 09:04	08/01/23
L2344350-26	SB41-Z6-12	SOIL	EAST SYRACUSE, DEWITT	08/01/23 09:05	08/01/23
L2344350-27	SB39-Z0-2	SOIL	EAST SYRACUSE, DEWITT	08/01/23 09:14	08/01/23
L2344350-28	SB39-Z6-12	SOIL	EAST SYRACUSE, DEWITT	08/01/23 09:15	08/01/23
L2344350-29	SB37-Z0-2	SOIL	EAST SYRACUSE, DEWITT	08/01/23 09:44	08/01/23
L2344350-30	SB37-Z6-12	SOIL	EAST SYRACUSE, DEWITT	08/01/23 09:45	08/01/23
L2344350-31	SB35-Z0-2	SOIL	EAST SYRACUSE, DEWITT	08/01/23 10:04	08/01/23
L2344350-32	SB35-Z6-12	SOIL	EAST SYRACUSE, DEWITT	08/01/23 10:05	08/01/23
L2344350-33	SB35-Z0-2-Q	SOIL	EAST SYRACUSE, DEWITT	08/01/23 10:10	08/01/23
L2344350-34	SB34-Z0-2	SOIL	EAST SYRACUSE, DEWITT	08/01/23 10:24	08/01/23
L2344350-35	SB34-Z6-12	SOIL	EAST SYRACUSE, DEWITT	08/01/23 10:25	08/01/23
L2344350-36	SB33-Z0-2	SOIL	EAST SYRACUSE, DEWITT	08/01/23 10:39	08/01/23
L2344350-37	SB33-Z6-12	SOIL	EAST SYRACUSE, DEWITT	08/01/23 10:40	08/01/23
L2344350-38	SB32-Z0-2	SOIL	EAST SYRACUSE, DEWITT	08/01/23 10:49	08/01/23
L2344350-39	SB32-Z6-12	SOIL	EAST SYRACUSE, DEWITT	08/01/23 10:50	08/01/23
L2344350-40	SB31-Z0-2	SOIL	EAST SYRACUSE, DEWITT	08/01/23 10:59	08/01/23
L2344350-41	SB31-Z6-12	SOIL	EAST SYRACUSE, DEWITT	08/01/23 11:00	08/01/23
L2344350-42	SB30-Z0-2	SOIL	EAST SYRACUSE, DEWITT	08/01/23 11:09	08/01/23
L2344350-43	SB30-Z6-12	SOIL	EAST SYRACUSE, DEWITT	08/01/23 11:10	08/01/23
L2344350-44	SB28-Z0-2	SOIL	EAST SYRACUSE, DEWITT	08/01/23 11:34	08/01/23
L2344350-45	SB28-Z6-12	SOIL	EAST SYRACUSE, DEWITT	08/01/23 11:35	08/01/23
L2344350-46	SB27-Z0-2	SOIL	EAST SYRACUSE, DEWITT	08/01/23 13:29	08/01/23
L2344350-47	SB27-Z6-12	SOIL	EAST SYRACUSE, DEWITT	08/01/23 13:30	08/01/23
L2344350-48	SB25-Z0-2	SOIL	EAST SYRACUSE, DEWITT	08/01/23 13:34	08/01/23
L2344350-49	SB25-Z6-12	SOIL	EAST SYRACUSE, DEWITT	08/01/23 13:35	08/01/23
L2344350-50	SB18-Z0-2	SOIL	EAST SYRACUSE, DEWITT	08/01/23 13:59	08/01/23
L2344350-51	SB18-Z6-12	SOIL	EAST SYRACUSE, DEWITT	08/01/23 14:00	08/01/23
L2344350-52	SB18-Z0-2-Q	SOIL	EAST SYRACUSE, DEWITT	08/01/23 14:05	08/01/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2344350-53	SB19-Z0-2	SOIL	EAST SYRACUSE, DEWITT	08/01/23 14:14	08/01/23
L2344350-54	SB19-Z6-12	SOIL	EAST SYRACUSE, DEWITT	08/01/23 14:15	08/01/23
L2344350-55	SB20-Z0-2	SOIL	EAST SYRACUSE, DEWITT	08/01/23 14:24	08/01/23
L2344350-56	SB20-Z6-12	SOIL	EAST SYRACUSE, DEWITT	08/01/23 14:25	08/01/23
L2344350-57	SB21-Z0-2	SOIL	EAST SYRACUSE, DEWITT	08/01/23 14:39	08/01/23
L2344350-58	SB21-Z6-12	SOIL	EAST SYRACUSE, DEWITT	08/01/23 14:40	08/01/23
L2344350-59	SB22-Z0-2	SOIL	EAST SYRACUSE, DEWITT	08/01/23 14:49	08/01/23
L2344350-60	SB22-Z6-12	SOIL	EAST SYRACUSE, DEWITT	08/01/23 14:50	08/01/23

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2344350
Project Number:	EE1705007.0032	**Report Date:**	08/15/23

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2344350
Project Number:	EE1705007.0032	**Report Date:**	08/15/23

Case Narrative (continued)

Report Submission

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

Sample Receipt

L2344350-22: The collection date and time on the chain of custody was 31-JUL-23 16:16; however, the collection date/time on the container label was 31-JUL-23 15:16. At the client's request, the collection date/time is reported as 31-JUL-23 16:16.

L2344350-51: The collection date and time on the chain of custody was 01-AUG-23 14:00; however, the collection date/time on the container label was 01-AUG-23 15:00. At the client's request, the collection date/time is reported as 01-AUG-23 14:00.

PCBs

L2344350-01D, -02D, -04D, -05D, -06D, -07D, -08D, -12D, -13D, -16D, -25D through -36D, -38D, -40D, -41D, -42D, -44D, -46D through -52D: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%/0%) and decachlorobiphenyl (0%/0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

WG1814072: An MS/MSD was not analyzed because the dilution required by the elevated concentrations of non-target compounds present in the native sample would have caused the spike compounds to be diluted below the range of calibration.

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

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 08/15/23

ORGANICS

PCBS

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-01 D
Client ID: SB26-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 14:09
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/10/23 19:08
Analyst: MEO
Percent Solids: 62%

Extraction Method: EPA 3546
Extraction Date: 08/09/23 19:42
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1540	136.	20	A
Aroclor 1221	ND		ug/kg	1540	154.	20	A
Aroclor 1232	ND		ug/kg	1540	326.	20	A
Aroclor 1242	ND		ug/kg	1540	207.	20	A
Aroclor 1248	3830		ug/kg	1540	230.	20	B
Aroclor 1254	ND		ug/kg	1540	168.	20	A
Aroclor 1260	ND		ug/kg	1540	284.	20	A
Aroclor 1262	ND		ug/kg	1540	195.	20	A
Aroclor 1268	ND		ug/kg	1540	159.	20	A
PCBs, Total	3830		ug/kg	1540	136.	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-02 D
Client ID: SB26-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 14:10
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/10/23 19:32
Analyst: MEO
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 08/09/23 19:42
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	6010	534.	100	A
Aroclor 1221	ND		ug/kg	6010	602.	100	A
Aroclor 1232	ND		ug/kg	6010	1270	100	A
Aroclor 1242	ND		ug/kg	6010	810.	100	A
Aroclor 1248	8840		ug/kg	6010	902.	100	B
Aroclor 1254	ND		ug/kg	6010	658.	100	A
Aroclor 1260	ND		ug/kg	6010	1110	100	A
Aroclor 1262	ND		ug/kg	6010	764.	100	A
Aroclor 1268	ND		ug/kg	6010	623.	100	A
PCBs, Total	8840		ug/kg	6010	534.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-03 D
Client ID: SB29-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 13:54
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/10/23 19:00
Analyst: MEO
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 08/09/23 19:42
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	318	28.2	5	A
Aroclor 1221	ND		ug/kg	318	31.9	5	A
Aroclor 1232	ND		ug/kg	318	67.4	5	A
Aroclor 1242	ND		ug/kg	318	42.9	5	A
Aroclor 1248	2670		ug/kg	318	47.7	5	A
Aroclor 1254	ND		ug/kg	318	34.8	5	A
Aroclor 1260	ND		ug/kg	318	58.8	5	A
Aroclor 1262	ND		ug/kg	318	40.4	5	A
Aroclor 1268	ND		ug/kg	318	33.0	5	A
PCBs, Total	2670		ug/kg	318	28.2	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-04 D
Client ID: SB29-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 13:55
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/10/23 19:40
Analyst: MEO
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 08/09/23 19:42
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5910	524.	100	A
Aroclor 1221	ND		ug/kg	5910	592.	100	A
Aroclor 1232	ND		ug/kg	5910	1250	100	A
Aroclor 1242	ND		ug/kg	5910	796.	100	A
Aroclor 1248	42300		ug/kg	5910	886.	100	A
Aroclor 1254	ND		ug/kg	5910	646.	100	A
Aroclor 1260	ND		ug/kg	5910	1090	100	A
Aroclor 1262	ND		ug/kg	5910	750.	100	A
Aroclor 1268	ND		ug/kg	5910	612.	100	A
PCBs, Total	42300		ug/kg	5910	524.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-05 D
Client ID: SB38-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 13:44
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/10/23 19:16
Analyst: MEO
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 08/09/23 19:42
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1150	102.	20	A
Aroclor 1221	ND		ug/kg	1150	115.	20	A
Aroclor 1232	ND		ug/kg	1150	243.	20	A
Aroclor 1242	ND		ug/kg	1150	154.	20	A
Aroclor 1248	10200		ug/kg	1150	172.	20	B
Aroclor 1254	ND		ug/kg	1150	125.	20	A
Aroclor 1260	ND		ug/kg	1150	212.	20	A
Aroclor 1262	ND		ug/kg	1150	146.	20	A
Aroclor 1268	ND		ug/kg	1150	119.	20	A
PCBs, Total	10200		ug/kg	1150	102.	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-06 D
Client ID: SB38-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 13:45
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/10/23 19:48
Analyst: MEO
Percent Solids: 67%

Extraction Method: EPA 3546
Extraction Date: 08/09/23 19:42
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	7110	632.	100	A
Aroclor 1221	ND		ug/kg	7110	713.	100	A
Aroclor 1232	ND		ug/kg	7110	1510	100	A
Aroclor 1242	ND		ug/kg	7110	959.	100	A
Aroclor 1248	74900		ug/kg	7110	1070	100	B
Aroclor 1254	ND		ug/kg	7110	778.	100	A
Aroclor 1260	ND		ug/kg	7110	1310	100	A
Aroclor 1262	ND		ug/kg	7110	903.	100	A
Aroclor 1268	ND		ug/kg	7110	737.	100	A
PCBs, Total	74900		ug/kg	7110	632.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-07 D
Client ID: SB40-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 13:20
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/10/23 19:24
Analyst: MEO
Percent Solids: 70%

Extraction Method: EPA 3546
Extraction Date: 08/09/23 19:42
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1360	121.	20	A
Aroclor 1221	ND		ug/kg	1360	136.	20	A
Aroclor 1232	ND		ug/kg	1360	288.	20	A
Aroclor 1242	ND		ug/kg	1360	183.	20	A
Aroclor 1248	6820		ug/kg	1360	204.	20	B
Aroclor 1254	ND		ug/kg	1360	149.	20	A
Aroclor 1260	ND		ug/kg	1360	251.	20	A
Aroclor 1262	ND		ug/kg	1360	173.	20	A
Aroclor 1268	ND		ug/kg	1360	141.	20	A
PCBs, Total	6820		ug/kg	1360	121.	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-08 D
Client ID: SB40-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 13:21
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/10/23 19:55
Analyst: MEO
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 08/09/23 19:42
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	6050	537.	100	A
Aroclor 1221	ND		ug/kg	6050	606.	100	A
Aroclor 1232	ND		ug/kg	6050	1280	100	A
Aroclor 1242	ND		ug/kg	6050	815.	100	A
Aroclor 1248	43600		ug/kg	6050	907.	100	B
Aroclor 1254	ND		ug/kg	6050	662.	100	A
Aroclor 1260	ND		ug/kg	6050	1120	100	A
Aroclor 1262	ND		ug/kg	6050	768.	100	A
Aroclor 1268	ND		ug/kg	6050	626.	100	A
PCBs, Total	43600		ug/kg	6050	537.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-09
Client ID: SB42-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 14:49
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/10/23 17:02
Analyst: MEO
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 08/09/23 19:42
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	64.3	5.71	1	A
Aroclor 1221	ND		ug/kg	64.3	6.45	1	A
Aroclor 1232	ND		ug/kg	64.3	13.6	1	A
Aroclor 1242	ND		ug/kg	64.3	8.67	1	A
Aroclor 1248	262		ug/kg	64.3	9.65	1	A
Aroclor 1254	ND		ug/kg	64.3	7.04	1	A
Aroclor 1260	ND		ug/kg	64.3	11.9	1	A
Aroclor 1262	ND		ug/kg	64.3	8.17	1	A
Aroclor 1268	ND		ug/kg	64.3	6.66	1	A
PCBs, Total	262		ug/kg	64.3	5.71	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-10
Client ID: SB42-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 14:50
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/10/23 17:10
Analyst: MEO
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/09/23 19:42
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.5	4.93	1	A
Aroclor 1221	ND		ug/kg	55.5	5.56	1	A
Aroclor 1232	ND		ug/kg	55.5	11.8	1	A
Aroclor 1242	ND		ug/kg	55.5	7.48	1	A
Aroclor 1248	417		ug/kg	55.5	8.32	1	B
Aroclor 1254	ND		ug/kg	55.5	6.07	1	A
Aroclor 1260	ND		ug/kg	55.5	10.2	1	A
Aroclor 1262	ND		ug/kg	55.5	7.05	1	A
Aroclor 1268	ND		ug/kg	55.5	5.75	1	A
PCBs, Total	417		ug/kg	55.5	4.93	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-11
Client ID: SB42-Z6-12-Q
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 15:00
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/10/23 17:18
Analyst: MEO
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/09/23 19:53
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.9	5.05	1	A
Aroclor 1221	ND		ug/kg	56.9	5.70	1	A
Aroclor 1232	ND		ug/kg	56.9	12.1	1	A
Aroclor 1242	ND		ug/kg	56.9	7.67	1	A
Aroclor 1248	315		ug/kg	56.9	8.54	1	A
Aroclor 1254	ND		ug/kg	56.9	6.22	1	A
Aroclor 1260	ND		ug/kg	56.9	10.5	1	A
Aroclor 1262	ND		ug/kg	56.9	7.23	1	A
Aroclor 1268	ND		ug/kg	56.9	5.90	1	A
PCBs, Total	315		ug/kg	56.9	5.05	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-12 D
Client ID: SB43-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 16:44
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/12/23 02:41
Analyst: ER
Percent Solids: 65%

Extraction Method: EPA 3546
Extraction Date: 08/09/23 19:53
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35600	3170	500	A
Aroclor 1221	ND		ug/kg	35600	3570	500	A
Aroclor 1232	ND		ug/kg	35600	7560	500	A
Aroclor 1242	ND		ug/kg	35600	4810	500	A
Aroclor 1248	98800		ug/kg	35600	5350	500	B
Aroclor 1254	ND		ug/kg	35600	3900	500	A
Aroclor 1260	ND		ug/kg	35600	6590	500	A
Aroclor 1262	ND		ug/kg	35600	4530	500	A
Aroclor 1268	ND		ug/kg	35600	3690	500	A
PCBs, Total	98800		ug/kg	35600	3170	500	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-13 D
Client ID: SB43-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 16:45
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/12/23 02:49
Analyst: ER
Percent Solids: 70%

Extraction Method: EPA 3546
Extraction Date: 08/09/23 19:53
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34500	3060	500	A
Aroclor 1221	ND		ug/kg	34500	3450	500	A
Aroclor 1232	ND		ug/kg	34500	7310	500	A
Aroclor 1242	ND		ug/kg	34500	4650	500	A
Aroclor 1248	130000		ug/kg	34500	5170	500	B
Aroclor 1254	ND		ug/kg	34500	3770	500	A
Aroclor 1260	ND		ug/kg	34500	6370	500	A
Aroclor 1262	ND		ug/kg	34500	4380	500	A
Aroclor 1268	ND		ug/kg	34500	3570	500	A
PCBs, Total	130000		ug/kg	34500	3060	500	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-14
Client ID: SB44-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 15:04
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/10/23 20:55
Analyst: MEO
Percent Solids: 69%

Extraction Method: EPA 3546
Extraction Date: 08/09/23 19:53
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	68.6	6.09	1	A
Aroclor 1221	ND		ug/kg	68.6	6.87	1	A
Aroclor 1232	ND		ug/kg	68.6	14.5	1	A
Aroclor 1242	ND		ug/kg	68.6	9.24	1	A
Aroclor 1248	337		ug/kg	68.6	10.3	1	A
Aroclor 1254	ND		ug/kg	68.6	7.50	1	A
Aroclor 1260	ND		ug/kg	68.6	12.7	1	A
Aroclor 1262	ND		ug/kg	68.6	8.71	1	A
Aroclor 1268	ND		ug/kg	68.6	7.10	1	A
PCBs, Total	337		ug/kg	68.6	6.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-15
Client ID: SB44-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 15:05
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/10/23 21:03
Analyst: MEO
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 08/09/23 19:53
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	64.5	5.72	1	A
Aroclor 1221	ND		ug/kg	64.5	6.46	1	A
Aroclor 1232	ND		ug/kg	64.5	13.7	1	A
Aroclor 1242	ND		ug/kg	64.5	8.69	1	A
Aroclor 1248	191		ug/kg	64.5	9.67	1	A
Aroclor 1254	ND		ug/kg	64.5	7.05	1	A
Aroclor 1260	ND		ug/kg	64.5	11.9	1	A
Aroclor 1262	ND		ug/kg	64.5	8.19	1	A
Aroclor 1268	ND		ug/kg	64.5	6.68	1	A
PCBs, Total	191		ug/kg	64.5	5.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-16 D
Client ID: SB45-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 16:34
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 10:07
Analyst: MEO
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 08/09/23 19:53
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1300	116.	20	A
Aroclor 1221	ND		ug/kg	1300	130.	20	A
Aroclor 1232	ND		ug/kg	1300	276.	20	A
Aroclor 1242	ND		ug/kg	1300	175.	20	A
Aroclor 1248	4340		ug/kg	1300	195.	20	B
Aroclor 1254	ND		ug/kg	1300	142.	20	A
Aroclor 1260	ND		ug/kg	1300	240.	20	A
Aroclor 1262	ND		ug/kg	1300	165.	20	A
Aroclor 1268	ND		ug/kg	1300	135.	20	A
PCBs, Total	4340		ug/kg	1300	116.	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-17 D
Client ID: SB45-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 16:35
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 10:15
Analyst: MEO
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 08/09/23 19:53
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	281	25.0	5	A
Aroclor 1221	ND		ug/kg	281	28.2	5	A
Aroclor 1232	ND		ug/kg	281	59.6	5	A
Aroclor 1242	ND		ug/kg	281	37.9	5	A
Aroclor 1248	799		ug/kg	281	42.2	5	A
Aroclor 1254	ND		ug/kg	281	30.8	5	A
Aroclor 1260	ND		ug/kg	281	52.0	5	A
Aroclor 1262	ND		ug/kg	281	35.7	5	A
Aroclor 1268	ND		ug/kg	281	29.1	5	A
PCBs, Total	799		ug/kg	281	25.0	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-18
Client ID: RINSATE-07312023
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 17:11
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/12/23 12:06
Analyst: ER

Extraction Method: EPA 3510C
Extraction Date: 08/11/23 08:08
Cleanup Method: EPA 3665A
Cleanup Date: 08/11/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-19
Client ID: SB46-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 15:24
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/10/23 21:27
Analyst: MEO
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 08/09/23 19:53
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	64.4	5.72	1	A
Aroclor 1221	ND		ug/kg	64.4	6.46	1	A
Aroclor 1232	ND		ug/kg	64.4	13.7	1	A
Aroclor 1242	ND		ug/kg	64.4	8.69	1	A
Aroclor 1248	234		ug/kg	64.4	9.67	1	A
Aroclor 1254	ND		ug/kg	64.4	7.05	1	A
Aroclor 1260	ND		ug/kg	64.4	11.9	1	A
Aroclor 1262	ND		ug/kg	64.4	8.18	1	A
Aroclor 1268	ND		ug/kg	64.4	6.68	1	A
PCBs, Total	234		ug/kg	64.4	5.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-20
Client ID: SB46-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 15:25
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/10/23 21:35
Analyst: MEO
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/09/23 19:53
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.7	5.03	1	A
Aroclor 1221	ND		ug/kg	56.7	5.68	1	A
Aroclor 1232	ND		ug/kg	56.7	12.0	1	A
Aroclor 1242	ND		ug/kg	56.7	7.64	1	A
Aroclor 1248	195		ug/kg	56.7	8.50	1	A
Aroclor 1254	ND		ug/kg	56.7	6.20	1	A
Aroclor 1260	ND		ug/kg	56.7	10.5	1	A
Aroclor 1262	ND		ug/kg	56.7	7.20	1	A
Aroclor 1268	ND		ug/kg	56.7	5.87	1	A
PCBs, Total	195		ug/kg	56.7	5.03	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-21
Client ID: SB47-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 16:15
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/10/23 16:30
Analyst: MEO
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 08/09/23 19:53
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	63.6	5.64	1	A
Aroclor 1221	ND		ug/kg	63.6	6.37	1	A
Aroclor 1232	ND		ug/kg	63.6	13.5	1	A
Aroclor 1242	ND		ug/kg	63.6	8.57	1	A
Aroclor 1248	257		ug/kg	63.6	9.54	1	A
Aroclor 1254	ND		ug/kg	63.6	6.96	1	A
Aroclor 1260	ND		ug/kg	63.6	11.7	1	A
Aroclor 1262	ND		ug/kg	63.6	8.07	1	A
Aroclor 1268	ND		ug/kg	63.6	6.59	1	A
PCBs, Total	257		ug/kg	63.6	5.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-22
Client ID: SB47-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 16:16
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/10/23 21:48
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 00:54
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.8	5.05	1	A
Aroclor 1221	ND		ug/kg	56.8	5.69	1	A
Aroclor 1232	ND		ug/kg	56.8	12.0	1	A
Aroclor 1242	ND		ug/kg	56.8	7.66	1	A
Aroclor 1248	150		ug/kg	56.8	8.52	1	A
Aroclor 1254	ND		ug/kg	56.8	6.22	1	A
Aroclor 1260	ND		ug/kg	56.8	10.5	1	A
Aroclor 1262	ND		ug/kg	56.8	7.22	1	A
Aroclor 1268	ND		ug/kg	56.8	5.89	1	A
PCBs, Total	150		ug/kg	56.8	5.05	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-23
Client ID: SB48-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 15:54
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/10/23 21:56
Analyst: MEO
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 00:54
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	61.4	5.45	1	A
Aroclor 1221	ND		ug/kg	61.4	6.15	1	A
Aroclor 1232	ND		ug/kg	61.4	13.0	1	A
Aroclor 1242	ND		ug/kg	61.4	8.27	1	A
Aroclor 1248	160		ug/kg	61.4	9.21	1	A
Aroclor 1254	ND		ug/kg	61.4	6.72	1	A
Aroclor 1260	ND		ug/kg	61.4	11.3	1	A
Aroclor 1262	ND		ug/kg	61.4	7.80	1	A
Aroclor 1268	ND		ug/kg	61.4	6.36	1	A
PCBs, Total	160		ug/kg	61.4	5.45	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-24
Client ID: SB48-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 07/31/23 15:55
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/10/23 22:04
Analyst: MEO
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 00:54
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	60.0	5.33	1	A
Aroclor 1221	ND		ug/kg	60.0	6.02	1	A
Aroclor 1232	ND		ug/kg	60.0	12.7	1	A
Aroclor 1242	ND		ug/kg	60.0	8.10	1	A
Aroclor 1248	127		ug/kg	60.0	9.01	1	A
Aroclor 1254	ND		ug/kg	60.0	6.57	1	A
Aroclor 1260	ND		ug/kg	60.0	11.1	1	A
Aroclor 1262	ND		ug/kg	60.0	7.63	1	A
Aroclor 1268	ND		ug/kg	60.0	6.22	1	A
PCBs, Total	127		ug/kg	60.0	5.33	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-25 D
Client ID: SB41-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 09:04
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 02:50
Analyst: MEO
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 00:54
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	6140	546.	100	A
Aroclor 1221	ND		ug/kg	6140	616.	100	A
Aroclor 1232	ND		ug/kg	6140	1300	100	A
Aroclor 1242	ND		ug/kg	6140	828.	100	A
Aroclor 1248	35400		ug/kg	6140	922.	100	B
Aroclor 1254	ND		ug/kg	6140	672.	100	A
Aroclor 1260	ND		ug/kg	6140	1140	100	A
Aroclor 1262	ND		ug/kg	6140	780.	100	A
Aroclor 1268	ND		ug/kg	6140	636.	100	A
PCBs, Total	35400		ug/kg	6140	546.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-26 D
Client ID: SB41-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 09:05
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 02:02
Analyst: MEO
Percent Solids: 71%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 00:54
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1370	122.	20	A
Aroclor 1221	ND		ug/kg	1370	138.	20	A
Aroclor 1232	ND		ug/kg	1370	291.	20	A
Aroclor 1242	ND		ug/kg	1370	185.	20	A
Aroclor 1248	10600		ug/kg	1370	206.	20	B
Aroclor 1254	ND		ug/kg	1370	150.	20	A
Aroclor 1260	ND		ug/kg	1370	254.	20	A
Aroclor 1262	ND		ug/kg	1370	174.	20	A
Aroclor 1268	ND		ug/kg	1370	142.	20	A
PCBs, Total	10600		ug/kg	1370	122.	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-27 D
Client ID: SB39-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 09:14
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 02:58
Analyst: MEO
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 00:54
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5700	506.	100	A
Aroclor 1221	ND		ug/kg	5700	571.	100	A
Aroclor 1232	ND		ug/kg	5700	1210	100	A
Aroclor 1242	ND		ug/kg	5700	769.	100	A
Aroclor 1248	55700		ug/kg	5700	856.	100	A
Aroclor 1254	ND		ug/kg	5700	624.	100	A
Aroclor 1260	ND		ug/kg	5700	1050	100	A
Aroclor 1262	ND		ug/kg	5700	724.	100	A
Aroclor 1268	ND		ug/kg	5700	591.	100	A
PCBs, Total	55700		ug/kg	5700	506.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-28 D
Client ID: SB39-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 09:15
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 02:10
Analyst: MEO
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 00:54
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1180	105.	20	A
Aroclor 1221	ND		ug/kg	1180	118.	20	A
Aroclor 1232	ND		ug/kg	1180	250.	20	A
Aroclor 1242	ND		ug/kg	1180	159.	20	A
Aroclor 1248	10200		ug/kg	1180	177.	20	B
Aroclor 1254	ND		ug/kg	1180	129.	20	A
Aroclor 1260	ND		ug/kg	1180	218.	20	A
Aroclor 1262	ND		ug/kg	1180	150.	20	A
Aroclor 1268	ND		ug/kg	1180	122.	20	A
PCBs, Total	10200		ug/kg	1180	105.	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-29 D
Client ID: SB37-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 09:44
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 03:06
Analyst: MEO
Percent Solids: 66%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 00:54
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	7290	648.	100	A
Aroclor 1221	ND		ug/kg	7290	731.	100	A
Aroclor 1232	ND		ug/kg	7290	1550	100	A
Aroclor 1242	ND		ug/kg	7290	983.	100	A
Aroclor 1248	75100		ug/kg	7290	1090	100	B
Aroclor 1254	ND		ug/kg	7290	798.	100	A
Aroclor 1260	ND		ug/kg	7290	1350	100	A
Aroclor 1262	ND		ug/kg	7290	926.	100	A
Aroclor 1268	ND		ug/kg	7290	756.	100	A
PCBs, Total	75100		ug/kg	7290	648.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-30 D
Client ID: SB37-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 09:45
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 03:14
Analyst: MEO
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 00:54
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5840	518.	100	A
Aroclor 1221	ND		ug/kg	5840	585.	100	A
Aroclor 1232	ND		ug/kg	5840	1240	100	A
Aroclor 1242	ND		ug/kg	5840	787.	100	A
Aroclor 1248	25300		ug/kg	5840	875.	100	A
Aroclor 1254	ND		ug/kg	5840	638.	100	A
Aroclor 1260	ND		ug/kg	5840	1080	100	A
Aroclor 1262	ND		ug/kg	5840	741.	100	A
Aroclor 1268	ND		ug/kg	5840	605.	100	A
PCBs, Total	25300		ug/kg	5840	518.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-31 D
Client ID: SB35-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 10:04
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 03:22
Analyst: MEO
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 00:54
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5800	515.	100	A
Aroclor 1221	ND		ug/kg	5800	581.	100	A
Aroclor 1232	ND		ug/kg	5800	1230	100	A
Aroclor 1242	ND		ug/kg	5800	781.	100	A
Aroclor 1248	47600		ug/kg	5800	869.	100	B
Aroclor 1254	ND		ug/kg	5800	634.	100	A
Aroclor 1260	ND		ug/kg	5800	1070	100	A
Aroclor 1262	ND		ug/kg	5800	736.	100	A
Aroclor 1268	ND		ug/kg	5800	600.	100	A
PCBs, Total	47600		ug/kg	5800	515.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-32 D
Client ID: SB35-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 10:05
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 02:18
Analyst: MEO
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 01:01
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1140	101.	20	A
Aroclor 1221	ND		ug/kg	1140	114.	20	A
Aroclor 1232	ND		ug/kg	1140	241.	20	A
Aroclor 1242	ND		ug/kg	1140	153.	20	A
Aroclor 1248	4180		ug/kg	1140	170.	20	B
Aroclor 1254	ND		ug/kg	1140	124.	20	A
Aroclor 1260	ND		ug/kg	1140	210.	20	A
Aroclor 1262	ND		ug/kg	1140	144.	20	A
Aroclor 1268	ND		ug/kg	1140	118.	20	A
PCBs, Total	4180		ug/kg	1140	101.	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-33 D
Client ID: SB35-Z0-2-Q
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 10:10
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 03:30
Analyst: MEO
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 01:01
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5990	532.	100	A
Aroclor 1221	ND		ug/kg	5990	600.	100	A
Aroclor 1232	ND		ug/kg	5990	1270	100	A
Aroclor 1242	ND		ug/kg	5990	807.	100	A
Aroclor 1248	51700		ug/kg	5990	898.	100	B
Aroclor 1254	ND		ug/kg	5990	655.	100	A
Aroclor 1260	ND		ug/kg	5990	1110	100	A
Aroclor 1262	ND		ug/kg	5990	761.	100	A
Aroclor 1268	ND		ug/kg	5990	620.	100	A
PCBs, Total	51700		ug/kg	5990	532.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-34 D
Client ID: SB34-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 10:24
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 03:38
Analyst: MEO
Percent Solids: 73%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 01:01
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	6570	584.	100	A
Aroclor 1221	ND		ug/kg	6570	659.	100	A
Aroclor 1232	ND		ug/kg	6570	1390	100	A
Aroclor 1242	ND		ug/kg	6570	886.	100	A
Aroclor 1248	38800		ug/kg	6570	986.	100	B
Aroclor 1254	ND		ug/kg	6570	719.	100	A
Aroclor 1260	ND		ug/kg	6570	1210	100	A
Aroclor 1262	ND		ug/kg	6570	835.	100	A
Aroclor 1268	ND		ug/kg	6570	681.	100	A
PCBs, Total	38800		ug/kg	6570	584.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-35 D
Client ID: SB34-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 10:25
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 03:46
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 01:01
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5740	510.	100	A
Aroclor 1221	ND		ug/kg	5740	576.	100	A
Aroclor 1232	ND		ug/kg	5740	1220	100	A
Aroclor 1242	ND		ug/kg	5740	774.	100	A
Aroclor 1248	18100		ug/kg	5740	862.	100	A
Aroclor 1254	ND		ug/kg	5740	628.	100	A
Aroclor 1260	ND		ug/kg	5740	1060	100	A
Aroclor 1262	ND		ug/kg	5740	729.	100	A
Aroclor 1268	ND		ug/kg	5740	595.	100	A
PCBs, Total	18100		ug/kg	5740	510.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-36 D
Client ID: SB33-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 10:39
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 02:26
Analyst: MEO
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 01:01
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1140	101.	20	A
Aroclor 1221	ND		ug/kg	1140	114.	20	A
Aroclor 1232	ND		ug/kg	1140	241.	20	A
Aroclor 1242	ND		ug/kg	1140	153.	20	A
Aroclor 1248	3950		ug/kg	1140	170.	20	B
Aroclor 1254	ND		ug/kg	1140	124.	20	A
Aroclor 1260	ND		ug/kg	1140	210.	20	A
Aroclor 1262	ND		ug/kg	1140	144.	20	A
Aroclor 1268	ND		ug/kg	1140	118.	20	A
PCBs, Total	3950		ug/kg	1140	101.	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-37
Client ID: SB33-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 10:40
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 00:23
Analyst: MEO
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 01:01
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.6	4.93	1	A
Aroclor 1221	ND		ug/kg	55.6	5.57	1	A
Aroclor 1232	ND		ug/kg	55.6	11.8	1	A
Aroclor 1242	ND		ug/kg	55.6	7.49	1	A
Aroclor 1248	222		ug/kg	55.6	8.34	1	A
Aroclor 1254	ND		ug/kg	55.6	6.08	1	A
Aroclor 1260	ND		ug/kg	55.6	10.3	1	A
Aroclor 1262	ND		ug/kg	55.6	7.06	1	A
Aroclor 1268	ND		ug/kg	55.6	5.76	1	A
PCBs, Total	222		ug/kg	55.6	4.93	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-38 D
Client ID: SB32-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 10:49
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 03:54
Analyst: MEO
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 01:01
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	6090	541.	100	A
Aroclor 1221	ND		ug/kg	6090	611.	100	A
Aroclor 1232	ND		ug/kg	6090	1290	100	A
Aroclor 1242	ND		ug/kg	6090	822.	100	A
Aroclor 1248	20600		ug/kg	6090	914.	100	B
Aroclor 1254	ND		ug/kg	6090	667.	100	A
Aroclor 1260	ND		ug/kg	6090	1130	100	A
Aroclor 1262	ND		ug/kg	6090	774.	100	A
Aroclor 1268	ND		ug/kg	6090	631.	100	A
PCBs, Total	20600		ug/kg	6090	541.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-39 D
Client ID: SB32-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 10:50
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 02:34
Analyst: MEO
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 01:01
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	294	26.1	5	A
Aroclor 1221	ND		ug/kg	294	29.4	5	A
Aroclor 1232	ND		ug/kg	294	62.3	5	A
Aroclor 1242	ND		ug/kg	294	39.6	5	A
Aroclor 1248	1050		ug/kg	294	44.1	5	B
Aroclor 1254	ND		ug/kg	294	32.1	5	A
Aroclor 1260	ND		ug/kg	294	54.3	5	A
Aroclor 1262	ND		ug/kg	294	37.3	5	A
Aroclor 1268	ND		ug/kg	294	30.4	5	A
PCBs, Total	1050		ug/kg	294	26.1	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-40 D
Client ID: SB31-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 10:59
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 01:46
Analyst: MEO
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 01:01
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5870	521.	100	A
Aroclor 1221	ND		ug/kg	5870	588.	100	A
Aroclor 1232	ND		ug/kg	5870	1240	100	A
Aroclor 1242	ND		ug/kg	5870	791.	100	A
Aroclor 1248	24800		ug/kg	5870	880.	100	A
Aroclor 1254	ND		ug/kg	5870	642.	100	A
Aroclor 1260	ND		ug/kg	5870	1080	100	A
Aroclor 1262	ND		ug/kg	5870	745.	100	A
Aroclor 1268	ND		ug/kg	5870	608.	100	A
PCBs, Total	24800		ug/kg	5870	521.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-41 D
Client ID: SB31-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 11:00
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 01:54
Analyst: MEO
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 01:01
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5840	519.	100	A
Aroclor 1221	ND		ug/kg	5840	586.	100	A
Aroclor 1232	ND		ug/kg	5840	1240	100	A
Aroclor 1242	ND		ug/kg	5840	788.	100	A
Aroclor 1248	31200		ug/kg	5840	877.	100	B
Aroclor 1254	ND		ug/kg	5840	640.	100	A
Aroclor 1260	ND		ug/kg	5840	1080	100	A
Aroclor 1262	ND		ug/kg	5840	742.	100	A
Aroclor 1268	ND		ug/kg	5840	606.	100	A
PCBs, Total	31200		ug/kg	5840	519.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-42 D
Client ID: SB30-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 11:09
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/15/23 10:28
Analyst: MEO
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 08/14/23 15:35
Cleanup Method: EPA 3665A
Cleanup Date: 08/14/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/15/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1160	103.	20	A
Aroclor 1221	ND		ug/kg	1160	116.	20	A
Aroclor 1232	ND		ug/kg	1160	246.	20	A
Aroclor 1242	ND		ug/kg	1160	156.	20	A
Aroclor 1248	5660		ug/kg	1160	174.	20	B
Aroclor 1254	ND		ug/kg	1160	127.	20	A
Aroclor 1260	ND		ug/kg	1160	214.	20	A
Aroclor 1262	ND		ug/kg	1160	147.	20	A
Aroclor 1268	ND		ug/kg	1160	120.	20	A
PCBs, Total	5660		ug/kg	1160	103.	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-43
Client ID: SB30-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 11:10
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 09:05
Analyst: ER
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 03:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.5	5.02	1	A
Aroclor 1221	ND		ug/kg	56.5	5.66	1	A
Aroclor 1232	ND		ug/kg	56.5	12.0	1	A
Aroclor 1242	ND		ug/kg	56.5	7.62	1	A
Aroclor 1248	404		ug/kg	56.5	8.48	1	A
Aroclor 1254	ND		ug/kg	56.5	6.18	1	A
Aroclor 1260	ND		ug/kg	56.5	10.4	1	A
Aroclor 1262	ND		ug/kg	56.5	7.18	1	A
Aroclor 1268	ND		ug/kg	56.5	5.86	1	A
PCBs, Total	404		ug/kg	56.5	5.02	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-44 D
Client ID: SB28-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 11:34
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/12/23 01:57
Analyst: ER
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 03:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5880	522.	100	A
Aroclor 1221	ND		ug/kg	5880	589.	100	A
Aroclor 1232	ND		ug/kg	5880	1240	100	A
Aroclor 1242	ND		ug/kg	5880	792.	100	A
Aroclor 1248	20000		ug/kg	5880	881.	100	A
Aroclor 1254	ND		ug/kg	5880	643.	100	A
Aroclor 1260	ND		ug/kg	5880	1080	100	A
Aroclor 1262	ND		ug/kg	5880	746.	100	A
Aroclor 1268	ND		ug/kg	5880	609.	100	A
PCBs, Total	20000		ug/kg	5880	522.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-45 D
Client ID: SB28-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 11:35
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/12/23 09:51
Analyst: MEO
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 03:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	286	25.4	5	A
Aroclor 1221	ND		ug/kg	286	28.7	5	A
Aroclor 1232	ND		ug/kg	286	60.7	5	A
Aroclor 1242	ND		ug/kg	286	38.6	5	A
Aroclor 1248	717		ug/kg	286	42.9	5	B
Aroclor 1254	ND		ug/kg	286	31.3	5	A
Aroclor 1260	ND		ug/kg	286	52.9	5	A
Aroclor 1262	ND		ug/kg	286	36.4	5	A
Aroclor 1268	ND		ug/kg	286	29.6	5	A
PCBs, Total	717		ug/kg	286	25.4	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-46 D
Client ID: SB27-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 13:29
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/12/23 02:07
Analyst: ER
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 03:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	6200	551.	100	A
Aroclor 1221	ND		ug/kg	6200	621.	100	A
Aroclor 1232	ND		ug/kg	6200	1310	100	A
Aroclor 1242	ND		ug/kg	6200	836.	100	A
Aroclor 1248	34600		ug/kg	6200	930.	100	A
Aroclor 1254	ND		ug/kg	6200	678.	100	A
Aroclor 1260	ND		ug/kg	6200	1150	100	A
Aroclor 1262	ND		ug/kg	6200	788.	100	A
Aroclor 1268	ND		ug/kg	6200	642.	100	A
PCBs, Total	34600		ug/kg	6200	551.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-47 D
Client ID: SB27-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 13:30
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/12/23 02:17
Analyst: ER
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 03:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5660	503.	100	A
Aroclor 1221	ND		ug/kg	5660	568.	100	A
Aroclor 1232	ND		ug/kg	5660	1200	100	A
Aroclor 1242	ND		ug/kg	5660	764.	100	A
Aroclor 1248	26400		ug/kg	5660	850.	100	A
Aroclor 1254	ND		ug/kg	5660	620.	100	A
Aroclor 1260	ND		ug/kg	5660	1050	100	A
Aroclor 1262	ND		ug/kg	5660	719.	100	A
Aroclor 1268	ND		ug/kg	5660	587.	100	A
PCBs, Total	26400		ug/kg	5660	503.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-48 D
Client ID: SB25-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 13:34
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/12/23 02:27
Analyst: ER
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 03:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	6080	540.	100	A
Aroclor 1221	ND		ug/kg	6080	610.	100	A
Aroclor 1232	ND		ug/kg	6080	1290	100	A
Aroclor 1242	ND		ug/kg	6080	820.	100	A
Aroclor 1248	31500		ug/kg	6080	912.	100	A
Aroclor 1254	ND		ug/kg	6080	666.	100	A
Aroclor 1260	ND		ug/kg	6080	1120	100	A
Aroclor 1262	ND		ug/kg	6080	773.	100	A
Aroclor 1268	ND		ug/kg	6080	630.	100	A
PCBs, Total	31500		ug/kg	6080	540.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-49 D
Client ID: SB25-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 13:35
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/12/23 02:37
Analyst: ER
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 03:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1170	104.	20	A
Aroclor 1221	ND		ug/kg	1170	117.	20	A
Aroclor 1232	ND		ug/kg	1170	248.	20	A
Aroclor 1242	ND		ug/kg	1170	158.	20	A
Aroclor 1248	5120		ug/kg	1170	176.	20	A
Aroclor 1254	ND		ug/kg	1170	128.	20	A
Aroclor 1260	ND		ug/kg	1170	216.	20	A
Aroclor 1262	ND		ug/kg	1170	149.	20	A
Aroclor 1268	ND		ug/kg	1170	121.	20	A
PCBs, Total	5120		ug/kg	1170	104.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-50 D
Client ID: SB18-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 13:59
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/12/23 02:47
Analyst: ER
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 03:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5800	515.	100	A
Aroclor 1221	ND		ug/kg	5800	581.	100	A
Aroclor 1232	ND		ug/kg	5800	1230	100	A
Aroclor 1242	ND		ug/kg	5800	782.	100	A
Aroclor 1248	25400		ug/kg	5800	870.	100	A
Aroclor 1254	ND		ug/kg	5800	634.	100	A
Aroclor 1260	ND		ug/kg	5800	1070	100	A
Aroclor 1262	ND		ug/kg	5800	736.	100	A
Aroclor 1268	ND		ug/kg	5800	601.	100	A
PCBs, Total	25400		ug/kg	5800	515.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-51 D
Client ID: SB18-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 14:00
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/12/23 02:56
Analyst: ER
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 03:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5760	511.	100	A
Aroclor 1221	ND		ug/kg	5760	577.	100	A
Aroclor 1232	ND		ug/kg	5760	1220	100	A
Aroclor 1242	ND		ug/kg	5760	776.	100	A
Aroclor 1248	20000		ug/kg	5760	864.	100	A
Aroclor 1254	ND		ug/kg	5760	630.	100	A
Aroclor 1260	ND		ug/kg	5760	1060	100	A
Aroclor 1262	ND		ug/kg	5760	731.	100	A
Aroclor 1268	ND		ug/kg	5760	596.	100	A
PCBs, Total	20000		ug/kg	5760	511.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-52 D
Client ID: SB18-Z0-2-Q
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 14:05
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/12/23 03:06
Analyst: ER
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 03:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5540	492.	100	A
Aroclor 1221	ND		ug/kg	5540	555.	100	A
Aroclor 1232	ND		ug/kg	5540	1170	100	A
Aroclor 1242	ND		ug/kg	5540	747.	100	A
Aroclor 1248	20400		ug/kg	5540	831.	100	A
Aroclor 1254	ND		ug/kg	5540	606.	100	A
Aroclor 1260	ND		ug/kg	5540	1020	100	A
Aroclor 1262	ND		ug/kg	5540	704.	100	A
Aroclor 1268	ND		ug/kg	5540	574.	100	A
PCBs, Total	20400		ug/kg	5540	492.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-53
Client ID: SB19-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 14:14
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 10:43
Analyst: ER
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 03:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.0	4.89	1	A
Aroclor 1221	ND		ug/kg	55.0	5.51	1	A
Aroclor 1232	ND		ug/kg	55.0	11.7	1	A
Aroclor 1242	ND		ug/kg	55.0	7.42	1	A
Aroclor 1248	ND		ug/kg	55.0	8.25	1	B
Aroclor 1254	17.9	J	ug/kg	55.0	6.02	1	B
Aroclor 1260	ND		ug/kg	55.0	10.2	1	A
Aroclor 1262	ND		ug/kg	55.0	6.99	1	A
Aroclor 1268	ND		ug/kg	55.0	5.70	1	A
PCBs, Total	17.9	J	ug/kg	55.0	4.89	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-54
Client ID: SB19-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 14:15
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 10:53
Analyst: ER
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 03:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.0	4.88	1	A
Aroclor 1221	ND		ug/kg	55.0	5.51	1	A
Aroclor 1232	ND		ug/kg	55.0	11.6	1	A
Aroclor 1242	ND		ug/kg	55.0	7.41	1	A
Aroclor 1248	ND		ug/kg	55.0	8.24	1	A
Aroclor 1254	ND		ug/kg	55.0	6.01	1	A
Aroclor 1260	ND		ug/kg	55.0	10.2	1	A
Aroclor 1262	ND		ug/kg	55.0	6.98	1	A
Aroclor 1268	ND		ug/kg	55.0	5.69	1	A
PCBs, Total	ND		ug/kg	55.0	4.88	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-55
Client ID: SB20-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 14:24
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 11:03
Analyst: ER
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 03:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.4	4.92	1	A
Aroclor 1221	ND		ug/kg	55.4	5.55	1	A
Aroclor 1232	ND		ug/kg	55.4	11.7	1	A
Aroclor 1242	ND		ug/kg	55.4	7.47	1	A
Aroclor 1248	ND		ug/kg	55.4	8.31	1	B
Aroclor 1254	8.36	J	ug/kg	55.4	6.06	1	B
Aroclor 1260	ND		ug/kg	55.4	10.2	1	A
Aroclor 1262	ND		ug/kg	55.4	7.04	1	A
Aroclor 1268	ND		ug/kg	55.4	5.74	1	A
PCBs, Total	8.36	J	ug/kg	55.4	4.92	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-56
Client ID: SB20-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 14:25
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 11:13
Analyst: ER
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 03:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.0	4.71	1	A
Aroclor 1221	ND		ug/kg	53.0	5.32	1	A
Aroclor 1232	ND		ug/kg	53.0	11.2	1	A
Aroclor 1242	ND		ug/kg	53.0	7.15	1	A
Aroclor 1248	ND		ug/kg	53.0	7.96	1	A
Aroclor 1254	ND		ug/kg	53.0	5.80	1	A
Aroclor 1260	ND		ug/kg	53.0	9.80	1	A
Aroclor 1262	ND		ug/kg	53.0	6.74	1	A
Aroclor 1268	ND		ug/kg	53.0	5.50	1	A
PCBs, Total	ND		ug/kg	53.0	4.71	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-57
Client ID: SB21-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 14:39
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 11:23
Analyst: ER
Percent Solids: 68%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 03:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	69.5	6.17	1	A
Aroclor 1221	ND		ug/kg	69.5	6.96	1	A
Aroclor 1232	ND		ug/kg	69.5	14.7	1	A
Aroclor 1242	ND		ug/kg	69.5	9.37	1	A
Aroclor 1248	ND		ug/kg	69.5	10.4	1	A
Aroclor 1254	8.45	J	ug/kg	69.5	7.60	1	A
Aroclor 1260	ND		ug/kg	69.5	12.8	1	A
Aroclor 1262	ND		ug/kg	69.5	8.83	1	A
Aroclor 1268	ND		ug/kg	69.5	7.20	1	A
PCBs, Total	8.45	J	ug/kg	69.5	6.17	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-58
Client ID: SB21-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 14:40
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 11:33
Analyst: ER
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 03:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	60.0	5.32	1	A
Aroclor 1221	ND		ug/kg	60.0	6.01	1	A
Aroclor 1232	ND		ug/kg	60.0	12.7	1	A
Aroclor 1242	ND		ug/kg	60.0	8.08	1	A
Aroclor 1248	ND		ug/kg	60.0	9.00	1	A
Aroclor 1254	ND		ug/kg	60.0	6.56	1	A
Aroclor 1260	ND		ug/kg	60.0	11.1	1	A
Aroclor 1262	ND		ug/kg	60.0	7.62	1	A
Aroclor 1268	ND		ug/kg	60.0	6.21	1	A
PCBs, Total	ND		ug/kg	60.0	5.32	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344350
Project Number: EE1705007.0032
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-59
Client ID: SB22-Z0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 14:49
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 11:52
Analyst: ER
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 03:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.7	4.95	1	A
Aroclor 1221	ND		ug/kg	55.7	5.58	1	A
Aroclor 1232	ND		ug/kg	55.7	11.8	1	A
Aroclor 1242	ND		ug/kg	55.7	7.51	1	A
Aroclor 1248	8.92	J	ug/kg	55.7	8.36	1	A
Aroclor 1254	17.0	J	ug/kg	55.7	6.10	1	B
Aroclor 1260	ND		ug/kg	55.7	10.3	1	A
Aroclor 1262	ND		ug/kg	55.7	7.08	1	A
Aroclor 1268	ND		ug/kg	55.7	5.77	1	A
PCBs, Total	25.9	J	ug/kg	55.7	4.95	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-60
Client ID: SB22-Z6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 14:50
Date Received: 08/01/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/11/23 12:02
Analyst: ER
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/10/23 03:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.4	4.66	1	A
Aroclor 1221	ND		ug/kg	52.4	5.25	1	A
Aroclor 1232	ND		ug/kg	52.4	11.1	1	A
Aroclor 1242	ND		ug/kg	52.4	7.07	1	A
Aroclor 1248	ND		ug/kg	52.4	7.87	1	A
Aroclor 1254	ND		ug/kg	52.4	5.74	1	A
Aroclor 1260	ND		ug/kg	52.4	9.69	1	A
Aroclor 1262	ND		ug/kg	52.4	6.66	1	A
Aroclor 1268	ND		ug/kg	52.4	5.43	1	A
PCBs, Total	ND		ug/kg	52.4	4.66	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/10/23 15:10
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 08/09/23 19:42
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-17,19-21 Batch: WG1814022-1						
Aroclor 1016	ND		ug/kg	46.4	4.12	A
Aroclor 1221	ND		ug/kg	46.4	4.65	A
Aroclor 1232	ND		ug/kg	46.4	9.83	A
Aroclor 1242	ND		ug/kg	46.4	6.25	A
Aroclor 1248	ND		ug/kg	46.4	6.96	A
Aroclor 1254	ND		ug/kg	46.4	5.07	A
Aroclor 1260	ND		ug/kg	46.4	8.57	A
Aroclor 1262	ND		ug/kg	46.4	5.89	A
Aroclor 1268	ND		ug/kg	46.4	4.80	A
PCBs, Total	ND		ug/kg	46.4	4.12	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/10/23 22:36
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 08/10/23 00:54
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 22-41 Batch: WG1814072-1						
Aroclor 1016	ND		ug/kg	47.5	4.22	A
Aroclor 1221	ND		ug/kg	47.5	4.76	A
Aroclor 1232	ND		ug/kg	47.5	10.1	A
Aroclor 1242	ND		ug/kg	47.5	6.40	A
Aroclor 1248	ND		ug/kg	47.5	7.12	A
Aroclor 1254	ND		ug/kg	47.5	5.19	A
Aroclor 1260	ND		ug/kg	47.5	8.77	A
Aroclor 1262	ND		ug/kg	47.5	6.03	A
Aroclor 1268	ND		ug/kg	47.5	4.92	A
PCBs, Total	ND		ug/kg	47.5	4.22	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/11/23 08:25
Analyst: ER

Extraction Method: EPA 3546
Extraction Date: 08/10/23 03:40
Cleanup Method: EPA 3665A
Cleanup Date: 08/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 43-60 Batch: WG1814092-1						
Aroclor 1016	ND		ug/kg	46.0	4.08	A
Aroclor 1221	ND		ug/kg	46.0	4.60	A
Aroclor 1232	ND		ug/kg	46.0	9.74	A
Aroclor 1242	ND		ug/kg	46.0	6.19	A
Aroclor 1248	ND		ug/kg	46.0	6.89	A
Aroclor 1254	ND		ug/kg	46.0	5.03	A
Aroclor 1260	ND		ug/kg	46.0	8.49	A
Aroclor 1262	ND		ug/kg	46.0	5.84	A
Aroclor 1268	ND		ug/kg	46.0	4.76	A
PCBs, Total	ND		ug/kg	46.0	4.08	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/12/23 11:40
Analyst: ER

Extraction Method: EPA 3510C
Extraction Date: 08/11/23 08:08
Cleanup Method: EPA 3665A
Cleanup Date: 08/11/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/11/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 18 Batch: WG1814725-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344350

Project Number: EE1705007.0032 **Report Date:** 08/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/15/23 03:27
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 08/14/23 15:35
Cleanup Method: EPA 3665A
Cleanup Date: 08/14/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/15/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 42 Batch: WG1815754-1						
Aroclor 1016	ND		ug/kg	46.0	4.08	A
Aroclor 1221	ND		ug/kg	46.0	4.60	A
Aroclor 1232	ND		ug/kg	46.0	9.74	A
Aroclor 1242	ND		ug/kg	46.0	6.19	A
Aroclor 1248	ND		ug/kg	46.0	6.89	A
Aroclor 1254	ND		ug/kg	46.0	5.03	A
Aroclor 1260	ND		ug/kg	46.0	8.49	A
Aroclor 1262	ND		ug/kg	46.0	5.84	A
Aroclor 1268	ND		ug/kg	46.0	4.76	A
PCBs, Total	ND		ug/kg	46.0	4.08	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	74		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2344350

Report Date: 08/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-17,19-21 Batch: WG1814022-2 WG1814022-3									
Aroclor 1016	72		75		40-140	4		50	A
Aroclor 1260	71		74		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		65		30-150	A
Decachlorobiphenyl	59		65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		69		30-150	B
Decachlorobiphenyl	62		69		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2344350
Report Date: 08/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 22-41 Batch: WG1814072-2 WG1814072-3									
Aroclor 1016	68		70		40-140	3		50	A
Aroclor 1260	65		68		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		65		30-150	A
Decachlorobiphenyl	61		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		67		30-150	B
Decachlorobiphenyl	64		63		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2344350

Report Date: 08/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 43-60 Batch: WG1814092-2 WG1814092-3									
Aroclor 1016	72		74		40-140	3		50	A
Aroclor 1260	65		68		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		81		30-150	A
Decachlorobiphenyl	68		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		78		30-150	B
Decachlorobiphenyl	68		74		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2344350
Report Date: 08/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 18 Batch: WG1814725-2 WG1814725-3									
Aroclor 1016	89		85		40-140	5		50	A
Aroclor 1260	80		76		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		81		30-150	A
Decachlorobiphenyl	82		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		78		30-150	B
Decachlorobiphenyl	79		79		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2344350

Report Date: 08/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 42 Batch: WG1815754-2 WG1815754-3									
Aroclor 1016	70		46		40-140	41		50	A
Aroclor 1260	68		45		40-140	41		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		43		30-150	A
Decachlorobiphenyl	66		40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		45		30-150	B
Decachlorobiphenyl	65		39		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2344350
Report Date: 08/15/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-17,19-21 QC Batch ID: WG1814022-4 WG1814022-5 QC Sample: L2344350-21 Client ID: SB47-Z0-2													
Aroclor 1016	ND	398	286	72		277	69		40-140	3		50	A
Aroclor 1260	ND	398	266	67		259	65		40-140	3		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		53		30-150	A
Decachlorobiphenyl	45		44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		55		30-150	B
Decachlorobiphenyl	48		48		30-150	B

INORGANICS
&
MISCELLANEOUS

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-01
Client ID: SB26-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 07/31/23 14:09
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	61.9		%	0.100	NA	1	-	08/03/23 12:34	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-02
Client ID: SB26-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 07/31/23 14:10
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.2		%	0.100	NA	1	-	08/03/23 12:34	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-03
Client ID: SB29-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 07/31/23 13:54
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.8		%	0.100	NA	1	-	08/03/23 12:34	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-04
Client ID: SB29-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 07/31/23 13:55
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.1		%	0.100	NA	1	-	08/03/23 12:34	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-05
Client ID: SB38-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 07/31/23 13:44
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.1		%	0.100	NA	1	-	08/03/23 12:34	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-06
Client ID: SB38-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 07/31/23 13:45
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	67.0		%	0.100	NA	1	-	08/03/23 12:34	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-07
Client ID: SB40-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 07/31/23 13:20
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.3		%	0.100	NA	1	-	08/03/23 12:34	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-08
Client ID: SB40-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 07/31/23 13:21
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.7		%	0.100	NA	1	-	08/03/23 12:34	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-09
Client ID: SB42-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 07/31/23 14:49
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.3		%	0.100	NA	1	-	08/03/23 12:34	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-10
Client ID: SB42-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 07/31/23 14:50
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.9		%	0.100	NA	1	-	08/03/23 12:34	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-11
Client ID: SB42-Z6-12-Q
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 07/31/23 15:00
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.4		%	0.100	NA	1	-	08/03/23 12:34	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-12
Client ID: SB43-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 07/31/23 16:44
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	65.4		%	0.100	NA	1	-	08/03/23 12:34	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-13
Client ID: SB43-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 07/31/23 16:45
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.2		%	0.100	NA	1	-	08/03/23 12:34	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-14
Client ID: SB44-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 07/31/23 15:04
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	69.2		%	0.100	NA	1	-	08/03/23 12:34	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-15
Client ID: SB44-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 07/31/23 15:05
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.0		%	0.100	NA	1	-	08/03/23 12:34	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-16
Client ID: SB45-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 07/31/23 16:34
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.6		%	0.100	NA	1	-	08/03/23 12:34	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-17
Client ID: SB45-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 07/31/23 16:35
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.5		%	0.100	NA	1	-	08/03/23 12:34	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-19
Client ID: SB46-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 07/31/23 15:24
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.2		%	0.100	NA	1	-	08/03/23 12:34	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-20
Client ID: SB46-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 07/31/23 15:25
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.8		%	0.100	NA	1	-	08/03/23 12:34	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-21
Client ID: SB47-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 07/31/23 16:15
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.5		%	0.100	NA	1	-	08/03/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-22
Client ID: SB47-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 07/31/23 16:16
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.0		%	0.100	NA	1	-	08/03/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-23
Client ID: SB48-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 07/31/23 15:54
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.4		%	0.100	NA	1	-	08/03/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-24
Client ID: SB48-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 07/31/23 15:55
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.7		%	0.100	NA	1	-	08/03/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-25
Client ID: SB41-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/01/23 09:04
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.1		%	0.100	NA	1	-	08/03/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-26
Client ID: SB41-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 09:05
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.8		%	0.100	NA	1	-	08/03/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-27
Client ID: SB39-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 09:14
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.7		%	0.100	NA	1	-	08/03/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-28
Client ID: SB39-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/01/23 09:15
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.8		%	0.100	NA	1	-	08/03/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-29
Client ID: SB37-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 09:44
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	66.3		%	0.100	NA	1	-	08/03/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-30
Client ID: SB37-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 09:45
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.5		%	0.100	NA	1	-	08/03/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-31
Client ID: SB35-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 10:04
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.3		%	0.100	NA	1	-	08/03/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-32
Client ID: SB35-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 10:05
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.2		%	0.100	NA	1	-	08/03/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-33
Client ID: SB35-Z0-2-Q
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/01/23 10:10
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.0		%	0.100	NA	1	-	08/03/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-34
Client ID: SB34-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 10:24
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.0		%	0.100	NA	1	-	08/03/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-35
Client ID: SB34-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 10:25
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.1		%	0.100	NA	1	-	08/03/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-36
Client ID: SB33-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 10:39
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.3		%	0.100	NA	1	-	08/03/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-37
Client ID: SB33-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/01/23 10:40
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.6		%	0.100	NA	1	-	08/03/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-38
Client ID: SB32-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 10:49
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.5		%	0.100	NA	1	-	08/03/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-39
Client ID: SB32-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 10:50
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.6		%	0.100	NA	1	-	08/03/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-40
Client ID: SB31-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 10:59
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.8		%	0.100	NA	1	-	08/03/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-41
Client ID: SB31-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 11:00
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.6		%	0.100	NA	1	-	08/03/23 12:58	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-42
Client ID: SB30-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 11:09
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.5		%	0.100	NA	1	-	08/03/23 12:58	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-43
Client ID: SB30-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 11:10
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.2		%	0.100	NA	1	-	08/03/23 12:58	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-44
Client ID: SB28-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 11:34
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.5		%	0.100	NA	1	-	08/03/23 12:58	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-45
Client ID: SB28-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 11:35
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.8		%	0.100	NA	1	-	08/03/23 12:58	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-46
Client ID: SB27-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 13:29
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.3		%	0.100	NA	1	-	08/03/23 12:58	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-47
Client ID: SB27-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 13:30
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	08/03/23 12:58	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-48
Client ID: SB25-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 13:34
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.5		%	0.100	NA	1	-	08/03/23 12:58	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-49
Client ID: SB25-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 13:35
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	08/03/23 12:58	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-50
Client ID: SB18-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 13:59
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.3		%	0.100	NA	1	-	08/03/23 12:58	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-51
Client ID: SB18-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 14:00
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.5		%	0.100	NA	1	-	08/03/23 12:58	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-52
Client ID: SB18-Z0-2-Q
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/01/23 14:05
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.0		%	0.100	NA	1	-	08/03/23 12:58	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-53
Client ID: SB19-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 14:14
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.4		%	0.100	NA	1	-	08/03/23 12:58	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-54
Client ID: SB19-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 14:15
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.0		%	0.100	NA	1	-	08/03/23 12:58	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-55
Client ID: SB20-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 14:24
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	08/03/23 12:58	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-56
Client ID: SB20-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 14:25
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.0		%	0.100	NA	1	-	08/03/23 12:58	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-57
Client ID: SB21-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 14:39
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.0		%	0.100	NA	1	-	08/03/23 12:58	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-58
Client ID: SB21-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 14:40
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.3		%	0.100	NA	1	-	08/03/23 12:58	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-59
Client ID: SB22-Z0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 14:49
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.3		%	0.100	NA	1	-	08/03/23 12:58	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344350
Report Date: 08/15/23

SAMPLE RESULTS

Lab ID: L2344350-60
Client ID: SB22-Z6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 14:50
Date Received: 08/01/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.2		%	0.100	NA	1	-	08/03/23 12:58	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2344350

Report Date: 08/15/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-17,19-20 QC Batch ID: WG1811276-1 QC Sample: L2344350-01 Client ID: SB26-Z0-2						
Solids, Total	61.9	63.1	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 21-40 QC Batch ID: WG1811279-1 QC Sample: L2344350-21 Client ID: SB47-Z0-2						
Solids, Total	76.5	74.4	%	3		20
General Chemistry - Westborough Lab Associated sample(s): 41-60 QC Batch ID: WG1811280-1 QC Sample: L2344350-41 Client ID: SB31-Z6-12						
Solids, Total	84.6	84.8	%	0		20

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2344350
Report Date: 08/15/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2344350-01A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-01B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-02A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-02B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-03A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-03B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-04A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-04B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-05A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-05B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-06A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-06B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-07A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-07B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-08A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-08B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-09A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-09B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-10A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-10B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-11A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-11B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-12A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2344350
Report Date: 08/15/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2344350-12B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-13A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-13B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-14A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-14B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-15A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-15B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-16A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-16B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-17A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-17B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-18A	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2344350-18B	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2344350-19A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-19B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-20A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-20B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-21A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-21A1	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-21B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-21B1	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-22A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-22B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-23A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-23B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-24A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-24B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-25A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2344350
Report Date: 08/15/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2344350-25B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-26A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-26B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-27A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-27B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-28A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-28B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-29A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-29B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-30A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-30B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-31A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-31B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-32A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-32B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-33A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-33B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-34A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-34B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-35A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-35B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-36A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-36B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-37A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-37B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-38A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-38B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-39A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2344350
Report Date: 08/15/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2344350-39B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-40A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-40A1	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-40B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-40B1	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-41A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-41B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-42A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-42B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-43A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-43B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-44A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-44B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-45A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-45B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-46A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-46B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-47A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-47B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-48A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-48B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-49A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-49B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-50A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-50B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-51A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-51B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-52A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2344350
Report Date: 08/15/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2344350-52B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-53A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-53B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-54A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-54B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-55A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-55B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-56A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-56B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-57A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-57B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-58A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-58B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-59A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-59B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2344350-60A	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2344350-60B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)

*Values in parentheses indicate holding time in days

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2344350
Project Number:	EE1705007.0032	**Report Date:**	08/15/23

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2344350
Project Number:	EE1705007.0032	**Report Date:**	08/15/23

Footnotes

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

Terms

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

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

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

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2344350
Project Number:	EE1705007.0032	**Report Date:**	08/15/23

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2344350
Project Number:	EE1705007.0032	**Report Date:**	08/15/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 6

Date Rec'd in Lab: 8/2/23

ALPHA Job #: L2344350

Client Information

Client: WSP USA
Address: 40 La Riviere Drive, Buffalo NY
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information

Project Name: Locks Road Extension - offsite PCB investigation
Project Location: East Syracuse, DeWitt
Project #: EE170500700032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time

Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables

[ ] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement

[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information

[X] Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [X] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL

ANALYSIS

NYT CL-Target (PCB)
TS

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYT CL-Target (PCB)	TS	Sample Specific Comments
L4350-01	SB26-20-2	7/31/23	14:09	Soil	DB	X	/	
02	SB26-26-12	7/31/23	14:10	Soil	DB	X	/	
03	SB29-20-2	7/31/23	13:54	Soil	DB	X	/	
04	SB29-26-12	7/31/23	13:55	Soil	DB	X	/	
05	SB38-20-2	7/31/23	13:44	Soil	DB	X	/	
06	SB38-26-12	7/31/23	13:45	Soil	DB	X	/	
07	SB40-20-2	7/31/23	13:20	Soil	DB	X	/	
08	SB40-26-12	7/31/23	13:21	Soil	DB	X	/	
09	SB42-20-2	7/31/23	14:49	Soil	DB	X	/	
10	SB42-26-12	7/31/23	14:50	Soil	DB	X	/	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code:
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	P/A	P/A
Preservative	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	8/1/23 17:30	Secured Storage	8/1/23 17:30
Secured Storage	8/1/23 1855	Bullinger	8/1/23 1855
		[illegible] 08102123-0110	

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 6

Date Rec'd in Lab: 8/2/23

ALPHA Job #: L2344350

Client Information
Client: WSP USA
Address: 40 La Riviere Drive, Buffalo NY
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information
Project Name: Loucks Road Extension - Offsite PCB Investigation
Project Location: East Syracuse, DeWitt
Project # EE 1705007.0032
(Use Project name as Project #) ☐
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8082 (CUD)	TJ	Total Bottle	Sample Specific Comments
44350-11	SB 42-26-U-Q	7/31/23	15:00	Soil	DB	X	/		
12	SB 43-20-2	7/31/23	16:44	Soil	DB	X	/		
13	SB 43-26-12	7/31/23	16:45	Soil	DB	X	/		
14	SB 44-20-2	7/31/23	15:04	Soil	DB	X	/		
15	SB 44-26-12	7/31/23	15:05	Soil	DB	X	/		
16	SB 45-20-2	7/31/23	16:34	Soil	DB	X	/		
17	SB 45-26-12	7/31/23	16:35	Soil	DB	X	/		
18	Finsate_07312023	7/31/23	17:11	Water	DB	X			
19	SB 46-26-2	7/31/23	15:24	Soil	DB	X	/		
20	SB 46-26-12	7/31/23	15:25	Soil	DB	X	/		

Container Type: A/A | P
Preservative: A | A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	8/1/23 17:30	Secured Storage	8/1/23 17:30
Secured storage	8/1/23 18:55	FedEx	8/1/23 18:55
		Unrecorded 0810	2123-0100

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of 6

Date Rec'd in Lab: 8/2/23

ALPHA Job #: L2344350

Client Information
Client: WSP USA
Address: 40 Lavigne Drive, Buffalo NY
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information
Project Name: Loucks Road Extension
Project Location: East Syracuse, DeWitt
Project #: EE 1705007.0032
(Use Project name as Project #) ☐
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8081B (Pest)	MS/MSD	TS	Total Bottle	Sample Specific Comments
44350-21	SB 47-20-2	7/31/23	16:15	Soil	DB	X	X	/		MS/MSD
22	SB 47-26-12	7/31/23	16:16	Soil	DB	X		/		
23	SB 48-20-2	7/31/23	15:54	Soil	DB	X		/		
24	SB 48-26-12	7/31/23	15:55	Soil	DB	X		/		
25	SB 41-20-2	8/1/23	9:04	Soil	DB	X		/		
26	SB 41-26-12	8/1/23	9:05	Soil	DB	X		/		
27	SB 39-20-2	8/1/23	9:14	Soil	DB	X		/		
28	SB 39-26-12	8/1/23	9:15	Soil	DB	X		/		
29	SB 37-20-2	8/1/23	9:44	Soil	DB	X		/		
30	SB 37-26-12	8/1/23	9:45	Soil	DB	X		/		
	Container Type					P/A		P		
	Preservative					A		A		

Preservative Code: A = None, B = HCl, C = HNO_3, D = H_2SO_4, E = NaOH, F = MeOH, G = $NaHSO_4$, H = $Na_2S_2O_3$, K/E = Zn Ac/NaOH, O = Other

Container Code: P = Plastic, A = Amber Glass, V = Vial, G = Glass, B = Bacteria Cup, C = Cube, O = Other, E = Encore, D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	8/1/23 17:30	Secured Storage	8/1/23 17:30
Secured Storage	8/1/23 18:55	Hetsa	8/1/23 18:55
		Miranda 0810	8/2/23-0810

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 4 of 6

Date Rec'd in Lab: 8/2/23

ALPHA Job #: L2344350

Client Information
Client: WSP USA
Address: 40 La Riviere Drive Buffalo NY
Phone: 720-732-7033
Fax:
Email: Drew.Bullinger@wsp.com

Project Information
Project Name: Loockes Road Extension
Project Location: East Syracuse, Dewitt
Project #: EE170507.0032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard: X
Rush (only if pre approved):
Due Date:
# of Days:

Deliverables
ASP-A / ASP-B
EQuIS (1 File) / EQuIS (4 File)
Other

Regulatory Requirement
NY TOGS / NY Part 375
AWQ Standards / NY CP-51
NY Restricted Use / Other
NY Unrestricted Use
NYC Sewer Discharge

Billing Information
Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility: NJ / NY / Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
NYTCL+Pest
TS
MS/MSD

Sample Filtration
Done
Lab to do
Preservation
Lab to do
(Please Specify below)

Total Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL+Pest	TS	MS/MSD	Sample Specific Comments
44350-31	SB 35-20-2	8/1/23	10:04	Soil	DB	X	/		
32	SB 35-26-12	8/1/23	10:05	Soil	DB	X	/		
33	SB 35-20-2-Q	8/1/23	10:10	Soil	DB	X	/		
34	SB 34-20-2	8/1/23	10:24	Soil	DB	X	/		
35	SB 34-26-12	8/1/23	10:25	Soil	DB	X	/		
36	SB 33-20-2	8/1/23	10:39	Soil	DB	/	/		
37	SB 33-26-12	8/1/23	10:40	Soil	DB	/	/		
38	SB 32-20-2	8/1/23	10:49	Soil	DB	/	/		
39	SB 32-26-12	8/1/23	10:50	Soil	DB	/	/		
40	SB 31-20-2	8/1/23	10:59	Soil	DB	/	/	X	MS/MSD

Container Type: P/A | P
Preservative: A | A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	8/1/23 17:30	Secured Storage	8/1/23 17:30
Secured Storage	8/1/23 18:55		8/1/23 18:55
			0810231000

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 5 of 6

Date Rec'd in Lab: 8/2/23

ALPHA Job #: L2344350

Client Information
Client: WSP USA
Address: 40 La Riviera Drive, Buffalo NY
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@wsp.com

Project Information
Project Name: Loucks Road Extension
Project Location: East Syracuse, DeWitt
Project #: EE 1705007.0032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables
[ ] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement
[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information
[ ] Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8260 (Cred)	TS	Total Bottle	Sample Specific Comments
44350-41	SB 31-26-12	8/1/23	11:00	Soil	DB	X	X		
42	SB 30-20-2	8/1/23	11:09	Soil	DB	/	/		
43	SB 30-26-12	8/1/23	11:10	Soil	DB	/	/		
44	SB 28-20-2	8/1/23	11:34	Soil	DB	/	/		
45	SB 28-26-12	8/1/23	11:35	Soil	DB	/	/		
46	SB 27-20-2	8/1/23	13:29	Soil	DB	X	/		
47	SB 27-26-12	8/1/23	13:30	Soil	DB	/	/		
48	SB 25-20-12	8/1/23	13:34	Soil	DB	/	/		
49	SB 25-26-12	8/1/23	13:35	Soil	DB	/	/		
50	SB 18-20-2	8/1/23	13:59	Soil	DB	/	/		

Container Type	P/A	P
Preservative	A	A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	8/1/23 17:30	Secured Storage	8/1/23 1730
Secured Storage	8/1/23 1855	Hetrosa	8/1/23 1855
		Secured DB 08/02/23 0700	

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 6 of 6

Date Rec'd in Lab: 8/2/23

ALPHA Job #: L2344350

Client Information

Client: WSP USA
Address: 40 La Riviera Drive, Buffalo NY
Phone: 720 - 737 - 7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information

Project Name: Loucks Road Extension
Project Location: East Syracuse, De Witt
Project # EE170500 7.0032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time

Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables

[ ] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Billing Information

[ ] Same as Client Info
PO #

Regulatory Requirement

[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

NYTCL-8021 (8260)
TS

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8021 (8260)	TS	Sample Specific Comments
44350-51	SB 18-20-12	8/1/23	14:00	Soil	DB	✓	✓	
52	SB 19-20-2-Q	8/1/23	14:05	Soil	DB	✓	✓	
53	SB 19-20-2	8/1/23	14:14	Soil	DB	✓	✓	
54	SB 19-26-12	8/1/23	14:15	Soil	DB	✓	✓	
55	SB 20-20-2	8/1/23	14:24	Soil	DB	✓	✓	
56	SB 20-26-12	8/1/23	14:25	Soil	DB	✓	✓	
57	SB 21-20-2	8/1/23	14:39	Soil	DB	✓	✓	
58	SB 21-26-12	8/1/23	14:40	Soil	DB	✓	✓	
59	SB 22-20-2	8/1/23	14:49	Soil	DB	✓	✓	
60	SB 22-26-12	8/1/23	14:50	Soil	DB	✓	✓	
	Container Type					P/A	P	
	Preservative					A	A	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	8/1/23 17:30	Secured Storage	8/1/23 17:30
Secured Storage	8/1/23 18:55	Fedex Matrix	8/1/23 18:55
			08/02/23 09:10

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2344780
Client:	WSP 40 La Riviere Drive Suite 320 Buffalo, NY 14202
ATTN:	Drew Bullinger
Phone:	(716) 204-5880
Project Name:	LOUCKS ROAD EXTENSION
Project Number:	EE1705007.0032
Report Date:	08/17/23

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2344780
Report Date: 08/17/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2344780-01	SB23-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/01/23 15:04	08/03/23
L2344780-02	SB23-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/01/23 15:05	08/03/23
L2344780-03	SB24-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/01/23 15:29	08/03/23
L2344780-04	SB24-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/01/23 15:30	08/03/23
L2344780-05	RINSTATE BLANK-08012023	WATER	EAST SYRACUSE, DEWITT	08/01/23 16:45	08/03/23
L2344780-06	SB17-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/02/23 09:09	08/03/23
L2344780-07	SB17-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/02/23 09:10	08/03/23
L2344780-08	SB15-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/02/23 09:39	08/03/23
L2344780-09	SB15-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/02/23 09:40	08/03/23
L2344780-10	SB15-Z 6-12-Q	SOIL	EAST SYRACUSE, DEWITT	08/02/23 09:46	08/03/23
L2344780-11	SB16-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/02/23 09:59	08/03/23
L2344780-12	SB16-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/02/23 10:00	08/03/23
L2344780-13	SB14-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/02/23 10:15	08/03/23
L2344780-14	SB14-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/02/23 10:16	08/03/23
L2344780-15	SB12-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/02/23 10:29	08/03/23
L2344780-16	SB12-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/02/23 10:30	08/03/23
L2344780-17	SB13-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/02/23 10:44	08/03/23
L2344780-18	SB13-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/02/23 10:45	08/03/23
L2344780-19	SB11-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/02/23 10:54	08/03/23
L2344780-20	SB11-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/02/23 10:55	08/03/23
L2344780-21	SB10-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/02/23 11:19	08/03/23
L2344780-22	SB10-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/02/23 11:20	08/03/23
L2344780-23	SB09-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/02/23 11:28	08/03/23
L2344780-24	SB09-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/02/23 11:28	08/03/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2344780-25	SB08-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/02/23 11:44	08/03/23
L2344780-26	SB08-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/02/23 11:45	08/03/23
L2344780-27	SB05-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/02/23 11:54	08/03/23
L2344780-28	SB05-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/02/23 11:55	08/03/23
L2344780-29	SB05-Z 0-2-Q	SOIL	EAST SYRACUSE, DEWITT	08/02/23 12:00	08/03/23
L2344780-30	SB07-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/02/23 12:24	08/03/23
L2344780-31	SB07-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/02/23 12:25	08/03/23
L2344780-32	SB06-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/02/23 13:34	08/03/23
L2344780-33	SB06-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/02/23 13:35	08/03/23
L2344780-34	SB04-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/02/23 13:44	08/03/23
L2344780-35	SB04-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/02/23 13:45	08/03/23
L2344780-36	SB03-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/02/23 13:58	08/03/23
L2344780-37	SB03-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/02/23 13:59	08/03/23
L2344780-38	SB01-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/02/23 14:09	08/03/23
L2344780-39	SB01-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/02/23 14:10	08/03/23
L2344780-40	SB02-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/02/23 14:19	08/03/23
L2344780-41	SB02-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/02/23 14:20	08/03/23
L2344780-42	SB36-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/02/23 15:19	08/03/23
L2344780-43	SB36-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/02/23 15:20	08/03/23
L2344780-44	SB65-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/02/23 15:54	08/03/23
L2344780-45	SB65-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/02/23 15:55	08/03/23
L2344780-46	SB64-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/02/23 16:09	08/03/23
L2344780-47	SB64-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/02/23 16:10	08/03/23
L2344780-48	RINSTATE BLANK-08022023	WATER	EAST SYRACUSE, DEWITT	08/02/23 16:40	08/03/23
L2344780-49	SB63-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/03/23 08:57	08/03/23
L2344780-50	SB63-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/03/23 08:58	08/03/23
L2344780-51	SB63-Z 0-2-Q	SOIL	EAST SYRACUSE, DEWITT	08/03/23 08:59	08/03/23
L2344780-52	SB62-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/03/23 09:14	08/03/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2344780-53	SB62-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/03/23 09:15	08/03/23
L2344780-54	SB61-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/03/23 09:29	08/03/23
L2344780-55	SB61-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/03/23 09:30	08/03/23
L2344780-56	SB60-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/03/23 09:49	08/03/23
L2344780-57	SB60-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/03/23 09:50	08/03/23
L2344780-58	RINSTATE BLANK-08032023	WATER	EAST SYRACUSE, DEWITT	08/03/23 10:10	08/03/23

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2344780
Project Number:	EE1705007.0032	**Report Date:**	08/17/23

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2344780
Project Number:	EE1705007.0032	**Report Date:**	08/17/23

Case Narrative (continued)

Report Submission

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

Sample Receipt

The analyses performed were specified by the client.

L2344780-23: The collection date and time on the chain of custody was 02-AUG-23 11:19; however, the collection date/time on the container label was 02-AUG-23 11:29. At the client's request, the collection date/time is reported as 02-AUG-23 11:28.

PCBs

L2344780-03D, -04D, -06D, -11D, -12D, -13D, -14D, -16D, -17D, -18D, -19D, -20D, -21D, -22D, -23D, -24D, -25D, -26D, -27D, -29D, -32D, -42D, -43D, -44D, -45D, -47D, -49D, -50D, -51D, -52D, -53D, -54D, -56D, and -57D: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

WG1815238: An MS/MSD, performed on L2344780-19, was not analyzed because the dilution required by the native sample would have caused the spike compounds to be diluted below the range of calibration.

WG1815289: An MS/MSD, performed on L2344780-56, was not analyzed because the dilution required by the native sample would have caused the spike compounds to be diluted below the range of calibration.

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

Authorized Signature: Kelly O'Neill

Title: Technical Director/Representative Date: 08/17/23

ORGANICS

PCBS

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344780
Project Number: EE1705007.0032
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-01
Client ID: SB23-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 15:04
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 08:48
Analyst: MEO
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 01:49
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	60.6	5.38	1	A
Aroclor 1221	ND		ug/kg	60.6	6.07	1	A
Aroclor 1232	ND		ug/kg	60.6	12.8	1	A
Aroclor 1242	ND		ug/kg	60.6	8.16	1	A
Aroclor 1248	180		ug/kg	60.6	9.08	1	A
Aroclor 1254	ND		ug/kg	60.6	6.62	1	A
Aroclor 1260	ND		ug/kg	60.6	11.2	1	A
Aroclor 1262	ND		ug/kg	60.6	7.69	1	A
Aroclor 1268	ND		ug/kg	60.6	6.27	1	A
PCBs, Total	180		ug/kg	60.6	5.38	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344780
Project Number: EE1705007.0032
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-02
Client ID: SB23-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 15:05
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 08:24
Analyst: MEO
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 01:49
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	60.0	5.33	1	A
Aroclor 1221	ND		ug/kg	60.0	6.02	1	A
Aroclor 1232	ND		ug/kg	60.0	12.7	1	A
Aroclor 1242	ND		ug/kg	60.0	8.09	1	A
Aroclor 1248	129		ug/kg	60.0	9.01	1	B
Aroclor 1254	ND		ug/kg	60.0	6.57	1	A
Aroclor 1260	25.9	J	ug/kg	60.0	11.1	1	B
Aroclor 1262	ND		ug/kg	60.0	7.62	1	A
Aroclor 1268	ND		ug/kg	60.0	6.22	1	A
PCBs, Total	155	J	ug/kg	60.0	5.33	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-03 D
Client ID: SB24-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 15:29
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 16:31
Analyst: MEO
Percent Solids: 73%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 01:49
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	6750	599.	100	A
Aroclor 1221	ND		ug/kg	6750	676.	100	A
Aroclor 1232	ND		ug/kg	6750	1430	100	A
Aroclor 1242	ND		ug/kg	6750	910.	100	A
Aroclor 1248	40400		ug/kg	6750	1010	100	B
Aroclor 1254	ND		ug/kg	6750	738.	100	A
Aroclor 1260	ND		ug/kg	6750	1250	100	A
Aroclor 1262	ND		ug/kg	6750	857.	100	A
Aroclor 1268	ND		ug/kg	6750	699.	100	A
PCBs, Total	40400		ug/kg	6750	599.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-04 D
Client ID: SB24-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 15:30
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 16:44
Analyst: MEO
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 01:49
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5650	501.	100	A
Aroclor 1221	ND		ug/kg	5650	566.	100	A
Aroclor 1232	ND		ug/kg	5650	1200	100	A
Aroclor 1242	ND		ug/kg	5650	761.	100	A
Aroclor 1248	38700		ug/kg	5650	847.	100	B
Aroclor 1254	ND		ug/kg	5650	618.	100	A
Aroclor 1260	ND		ug/kg	5650	1040	100	A
Aroclor 1262	ND		ug/kg	5650	717.	100	A
Aroclor 1268	ND		ug/kg	5650	585.	100	A
PCBs, Total	38700		ug/kg	5650	501.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344780
Project Number: EE1705007.0032
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-05
Client ID: RINSTATE BLANK-08012023
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/01/23 16:45
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/17/23 10:31
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 08/13/23 11:21
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/14/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	40		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344780
Project Number: EE1705007.0032
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-06 D
Client ID: SB17-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 09:09
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 15:53
Analyst: MEO
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 01:49
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1180	105.	20	A
Aroclor 1221	ND		ug/kg	1180	118.	20	A
Aroclor 1232	ND		ug/kg	1180	250.	20	A
Aroclor 1242	ND		ug/kg	1180	159.	20	A
Aroclor 1248	5270		ug/kg	1180	177.	20	B
Aroclor 1254	ND		ug/kg	1180	129.	20	A
Aroclor 1260	ND		ug/kg	1180	218.	20	A
Aroclor 1262	ND		ug/kg	1180	150.	20	A
Aroclor 1268	ND		ug/kg	1180	122.	20	A
PCBs, Total	5270		ug/kg	1180	105.	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344780
Project Number: EE1705007.0032
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-07 D
Client ID: SB17-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 09:10
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 15:27
Analyst: MEO
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 01:49
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	279	24.8	5	A
Aroclor 1221	ND		ug/kg	279	27.9	5	A
Aroclor 1232	ND		ug/kg	279	59.1	5	A
Aroclor 1242	ND		ug/kg	279	37.6	5	A
Aroclor 1248	1400		ug/kg	279	41.8	5	B
Aroclor 1254	ND		ug/kg	279	30.5	5	A
Aroclor 1260	ND		ug/kg	279	51.5	5	A
Aroclor 1262	ND		ug/kg	279	35.4	5	A
Aroclor 1268	ND		ug/kg	279	28.9	5	A
PCBs, Total	1400		ug/kg	279	24.8	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-11 D
Client ID: SB16-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 09:59
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 16:18
Analyst: MEO
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 01:49
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1130	100.	20	A
Aroclor 1221	ND		ug/kg	1130	113.	20	A
Aroclor 1232	ND		ug/kg	1130	240.	20	A
Aroclor 1242	ND		ug/kg	1130	152.	20	A
Aroclor 1248	5910		ug/kg	1130	170.	20	B
Aroclor 1254	ND		ug/kg	1130	124.	20	A
Aroclor 1260	ND		ug/kg	1130	209.	20	A
Aroclor 1262	ND		ug/kg	1130	144.	20	A
Aroclor 1268	ND		ug/kg	1130	117.	20	A
PCBs, Total	5910		ug/kg	1130	100.	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-12 D
Client ID: SB16-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 10:00
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 16:57
Analyst: MEO
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 01:49
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5650	501.	100	A
Aroclor 1221	ND		ug/kg	5650	566.	100	A
Aroclor 1232	ND		ug/kg	5650	1200	100	A
Aroclor 1242	ND		ug/kg	5650	761.	100	A
Aroclor 1248	29000		ug/kg	5650	847.	100	B
Aroclor 1254	ND		ug/kg	5650	618.	100	A
Aroclor 1260	ND		ug/kg	5650	1040	100	A
Aroclor 1262	ND		ug/kg	5650	717.	100	A
Aroclor 1268	ND		ug/kg	5650	585.	100	A
PCBs, Total	29000		ug/kg	5650	501.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-13 D
Client ID: SB14-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 10:15
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 17:10
Analyst: MEO
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 01:49
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5940	528.	100	A
Aroclor 1221	ND		ug/kg	5940	595.	100	A
Aroclor 1232	ND		ug/kg	5940	1260	100	A
Aroclor 1242	ND		ug/kg	5940	801.	100	A
Aroclor 1248	14000		ug/kg	5940	891.	100	B
Aroclor 1254	ND		ug/kg	5940	650.	100	A
Aroclor 1260	ND		ug/kg	5940	1100	100	A
Aroclor 1262	ND		ug/kg	5940	754.	100	A
Aroclor 1268	ND		ug/kg	5940	615.	100	A
PCBs, Total	14000		ug/kg	5940	528.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-14 D
Client ID: SB14-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 10:16
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 17:23
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 01:49
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5410	480.	100	A
Aroclor 1221	ND		ug/kg	5410	542.	100	A
Aroclor 1232	ND		ug/kg	5410	1150	100	A
Aroclor 1242	ND		ug/kg	5410	730.	100	A
Aroclor 1248	24200		ug/kg	5410	812.	100	B
Aroclor 1254	ND		ug/kg	5410	592.	100	A
Aroclor 1260	ND		ug/kg	5410	1000	100	A
Aroclor 1262	ND		ug/kg	5410	687.	100	A
Aroclor 1268	ND		ug/kg	5410	561.	100	A
PCBs, Total	24200		ug/kg	5410	480.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-15 D
Client ID: SB12-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 10:29
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 15:40
Analyst: MEO
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 01:59
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	285	25.3	5	A
Aroclor 1221	ND		ug/kg	285	28.6	5	A
Aroclor 1232	ND		ug/kg	285	60.5	5	A
Aroclor 1242	ND		ug/kg	285	38.5	5	A
Aroclor 1248	1300		ug/kg	285	42.8	5	B
Aroclor 1254	ND		ug/kg	285	31.2	5	A
Aroclor 1260	ND		ug/kg	285	52.7	5	A
Aroclor 1262	ND		ug/kg	285	36.2	5	A
Aroclor 1268	ND		ug/kg	285	29.6	5	A
PCBs, Total	1300		ug/kg	285	25.3	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	38		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-16 D
Client ID: SB12-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 10:30
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 17:36
Analyst: MEO
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 01:59
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	6560	582.	100	A
Aroclor 1221	ND		ug/kg	6560	657.	100	A
Aroclor 1232	ND		ug/kg	6560	1390	100	A
Aroclor 1242	ND		ug/kg	6560	884.	100	A
Aroclor 1248	24800		ug/kg	6560	984.	100	B
Aroclor 1254	ND		ug/kg	6560	717.	100	A
Aroclor 1260	ND		ug/kg	6560	1210	100	A
Aroclor 1262	ND		ug/kg	6560	833.	100	A
Aroclor 1268	ND		ug/kg	6560	679.	100	A
PCBs, Total	24800		ug/kg	6560	582.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-17 D
Client ID: SB13-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 10:44
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/16/23 22:25
Analyst: ER
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 01:59
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5520	490.	100	A
Aroclor 1221	ND		ug/kg	5520	553.	100	A
Aroclor 1232	ND		ug/kg	5520	1170	100	A
Aroclor 1242	ND		ug/kg	5520	744.	100	A
Aroclor 1248	10400		ug/kg	5520	828.	100	B
Aroclor 1254	ND		ug/kg	5520	604.	100	A
Aroclor 1260	ND		ug/kg	5520	1020	100	A
Aroclor 1262	ND		ug/kg	5520	701.	100	A
Aroclor 1268	ND		ug/kg	5520	572.	100	A
PCBs, Total	10400		ug/kg	5520	490.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-18 D
Client ID: SB13-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 10:45
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 14:43
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 05:12
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5340	474.	100	A
Aroclor 1221	ND		ug/kg	5340	534.	100	A
Aroclor 1232	ND		ug/kg	5340	1130	100	A
Aroclor 1242	ND		ug/kg	5340	719.	100	A
Aroclor 1248	19200		ug/kg	5340	800.	100	A
Aroclor 1254	ND		ug/kg	5340	584.	100	A
Aroclor 1260	ND		ug/kg	5340	986.	100	A
Aroclor 1262	ND		ug/kg	5340	678.	100	A
Aroclor 1268	ND		ug/kg	5340	553.	100	A
PCBs, Total	19200		ug/kg	5340	474.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-19 D
Client ID: SB11-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 10:54
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 15:26
Analyst: MEO
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 05:12
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	28300	2510	500	A
Aroclor 1221	ND		ug/kg	28300	2830	500	A
Aroclor 1232	ND		ug/kg	28300	6000	500	A
Aroclor 1242	ND		ug/kg	28300	3810	500	A
Aroclor 1248	85000		ug/kg	28300	4240	500	B
Aroclor 1254	ND		ug/kg	28300	3090	500	A
Aroclor 1260	6740	J	ug/kg	28300	5230	500	B
Aroclor 1262	ND		ug/kg	28300	3590	500	A
Aroclor 1268	ND		ug/kg	28300	2930	500	A
PCBs, Total	91700	J	ug/kg	28300	2510	500	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-20 D
Client ID: SB11-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 10:55
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 18:14
Analyst: MEO
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 01:59
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	27100	2400	500	A
Aroclor 1221	ND		ug/kg	27100	2710	500	A
Aroclor 1232	ND		ug/kg	27100	5740	500	A
Aroclor 1242	ND		ug/kg	27100	3650	500	A
Aroclor 1248	72700		ug/kg	27100	4060	500	B
Aroclor 1254	ND		ug/kg	27100	2960	500	A
Aroclor 1260	ND		ug/kg	27100	5000	500	A
Aroclor 1262	ND		ug/kg	27100	3440	500	A
Aroclor 1268	ND		ug/kg	27100	2800	500	A
PCBs, Total	72700		ug/kg	27100	2400	500	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-21 D
Client ID: SB10-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 11:19
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 15:13
Analyst: MEO
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 05:12
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	28100	2500	500	A
Aroclor 1221	ND		ug/kg	28100	2820	500	A
Aroclor 1232	ND		ug/kg	28100	5960	500	A
Aroclor 1242	ND		ug/kg	28100	3790	500	A
Aroclor 1248	152000		ug/kg	28100	4220	500	A
Aroclor 1254	ND		ug/kg	28100	3080	500	A
Aroclor 1260	ND		ug/kg	28100	5200	500	A
Aroclor 1262	ND		ug/kg	28100	3570	500	A
Aroclor 1268	ND		ug/kg	28100	2910	500	A
PCBs, Total	152000		ug/kg	28100	2500	500	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-22 D
Client ID: SB10-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 11:20
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 17:48
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 01:59
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5310	471.	100	A
Aroclor 1221	ND		ug/kg	5310	532.	100	A
Aroclor 1232	ND		ug/kg	5310	1120	100	A
Aroclor 1242	ND		ug/kg	5310	715.	100	A
Aroclor 1248	30400		ug/kg	5310	796.	100	B
Aroclor 1254	ND		ug/kg	5310	580.	100	A
Aroclor 1260	ND		ug/kg	5310	981.	100	A
Aroclor 1262	ND		ug/kg	5310	674.	100	A
Aroclor 1268	ND		ug/kg	5310	550.	100	A
PCBs, Total	30400		ug/kg	5310	471.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-23 D
Client ID: SB09-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 11:28
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 15:23
Analyst: MEO
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 05:12
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	30100	2670	500	A
Aroclor 1221	ND		ug/kg	30100	3020	500	A
Aroclor 1232	ND		ug/kg	30100	6380	500	A
Aroclor 1242	ND		ug/kg	30100	4060	500	A
Aroclor 1248	164000		ug/kg	30100	4510	500	A
Aroclor 1254	ND		ug/kg	30100	3290	500	A
Aroclor 1260	ND		ug/kg	30100	5560	500	A
Aroclor 1262	ND		ug/kg	30100	3820	500	A
Aroclor 1268	ND		ug/kg	30100	3120	500	A
PCBs, Total	164000		ug/kg	30100	2670	500	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-24 D
Client ID: SB09-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 11:28
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 18:27
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 01:59
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	25300	2250	500	A
Aroclor 1221	ND		ug/kg	25300	2540	500	A
Aroclor 1232	ND		ug/kg	25300	5370	500	A
Aroclor 1242	ND		ug/kg	25300	3410	500	A
Aroclor 1248	68100		ug/kg	25300	3800	500	B
Aroclor 1254	ND		ug/kg	25300	2770	500	A
Aroclor 1260	ND		ug/kg	25300	4680	500	A
Aroclor 1262	ND		ug/kg	25300	3220	500	A
Aroclor 1268	ND		ug/kg	25300	2620	500	A
PCBs, Total	68100		ug/kg	25300	2250	500	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-25 D
Client ID: SB08-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 11:44
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 15:32
Analyst: MEO
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 05:12
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	26600	2360	500	A
Aroclor 1221	ND		ug/kg	26600	2670	500	A
Aroclor 1232	ND		ug/kg	26600	5650	500	A
Aroclor 1242	ND		ug/kg	26600	3590	500	A
Aroclor 1248	85200		ug/kg	26600	4000	500	A
Aroclor 1254	ND		ug/kg	26600	2910	500	A
Aroclor 1260	ND		ug/kg	26600	4920	500	A
Aroclor 1262	ND		ug/kg	26600	3380	500	A
Aroclor 1268	ND		ug/kg	26600	2760	500	A
PCBs, Total	85200		ug/kg	26600	2360	500	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-26 D
Client ID: SB08-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 11:45
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 15:03
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 05:12
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5500	489.	100	A
Aroclor 1221	ND		ug/kg	5500	552.	100	A
Aroclor 1232	ND		ug/kg	5500	1170	100	A
Aroclor 1242	ND		ug/kg	5500	742.	100	A
Aroclor 1248	15400		ug/kg	5500	826.	100	A
Aroclor 1254	ND		ug/kg	5500	602.	100	A
Aroclor 1260	ND		ug/kg	5500	1020	100	A
Aroclor 1262	ND		ug/kg	5500	699.	100	A
Aroclor 1268	ND		ug/kg	5500	570.	100	A
PCBs, Total	15400		ug/kg	5500	489.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-27 D
Client ID: SB05-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 11:54
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 14:13
Analyst: MEO
Percent Solids: 73%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 05:12
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1240	110.	20	A
Aroclor 1221	ND		ug/kg	1240	125.	20	A
Aroclor 1232	ND		ug/kg	1240	264.	20	A
Aroclor 1242	ND		ug/kg	1240	168.	20	A
Aroclor 1248	3500		ug/kg	1240	187.	20	A
Aroclor 1254	ND		ug/kg	1240	136.	20	A
Aroclor 1260	ND		ug/kg	1240	230.	20	A
Aroclor 1262	ND		ug/kg	1240	158.	20	A
Aroclor 1268	ND		ug/kg	1240	129.	20	A
PCBs, Total	3500		ug/kg	1240	110.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344780
Project Number: EE1705007.0032
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-28 D
Client ID: SB05-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 11:55
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 13:44
Analyst: MEO
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 05:12
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	285	25.3	5	A
Aroclor 1221	ND		ug/kg	285	28.6	5	A
Aroclor 1232	ND		ug/kg	285	60.5	5	A
Aroclor 1242	ND		ug/kg	285	38.5	5	A
Aroclor 1248	1050		ug/kg	285	42.8	5	A
Aroclor 1254	ND		ug/kg	285	31.2	5	A
Aroclor 1260	ND		ug/kg	285	52.8	5	A
Aroclor 1262	ND		ug/kg	285	36.2	5	A
Aroclor 1268	ND		ug/kg	285	29.6	5	A
PCBs, Total	1050		ug/kg	285	25.3	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344780
Project Number: EE1705007.0032
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-29 D
Client ID: SB05-Z 0-2-Q
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 12:00
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 14:23
Analyst: MEO
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 05:12
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1330	118.	20	A
Aroclor 1221	ND		ug/kg	1330	133.	20	A
Aroclor 1232	ND		ug/kg	1330	282.	20	A
Aroclor 1242	ND		ug/kg	1330	179.	20	A
Aroclor 1248	3140		ug/kg	1330	200.	20	A
Aroclor 1254	ND		ug/kg	1330	146.	20	A
Aroclor 1260	ND		ug/kg	1330	246.	20	A
Aroclor 1262	ND		ug/kg	1330	169.	20	A
Aroclor 1268	ND		ug/kg	1330	138.	20	A
PCBs, Total	3140		ug/kg	1330	118.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-30 D
Client ID: SB07-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 12:24
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 13:54
Analyst: MEO
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 05:12
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	304	27.0	5	A
Aroclor 1221	ND		ug/kg	304	30.5	5	A
Aroclor 1232	ND		ug/kg	304	64.6	5	A
Aroclor 1242	ND		ug/kg	304	41.0	5	A
Aroclor 1248	999		ug/kg	304	45.7	5	A
Aroclor 1254	ND		ug/kg	304	33.3	5	A
Aroclor 1260	ND		ug/kg	304	56.3	5	A
Aroclor 1262	ND		ug/kg	304	38.7	5	A
Aroclor 1268	ND		ug/kg	304	31.6	5	A
PCBs, Total	999		ug/kg	304	27.0	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344780
Project Number: EE1705007.0032
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-31 D
Client ID: SB07-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 12:25
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 14:04
Analyst: MEO
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 05:12
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	303	26.9	5	A
Aroclor 1221	ND		ug/kg	303	30.4	5	A
Aroclor 1232	ND		ug/kg	303	64.3	5	A
Aroclor 1242	ND		ug/kg	303	40.9	5	A
Aroclor 1248	2240		ug/kg	303	45.5	5	A
Aroclor 1254	ND		ug/kg	303	33.2	5	A
Aroclor 1260	ND		ug/kg	303	56.0	5	A
Aroclor 1262	ND		ug/kg	303	38.5	5	A
Aroclor 1268	ND		ug/kg	303	31.4	5	A
PCBs, Total	2240		ug/kg	303	26.9	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-32 D
Client ID: SB06-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 13:34
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 14:33
Analyst: MEO
Percent Solids: 73%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 05:12
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1330	118.	20	A
Aroclor 1221	ND		ug/kg	1330	133.	20	A
Aroclor 1232	ND		ug/kg	1330	282.	20	A
Aroclor 1242	ND		ug/kg	1330	179.	20	A
Aroclor 1248	3880		ug/kg	1330	200.	20	A
Aroclor 1254	ND		ug/kg	1330	146.	20	A
Aroclor 1260	ND		ug/kg	1330	246.	20	A
Aroclor 1262	ND		ug/kg	1330	169.	20	A
Aroclor 1268	ND		ug/kg	1330	138.	20	A
PCBs, Total	3880		ug/kg	1330	118.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-33 D
Client ID: SB06-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 13:35
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/16/23 21:59
Analyst: ER
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 05:12
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	295	26.2	5	A
Aroclor 1221	ND		ug/kg	295	29.6	5	A
Aroclor 1232	ND		ug/kg	295	62.6	5	A
Aroclor 1242	ND		ug/kg	295	39.8	5	A
Aroclor 1248	2320		ug/kg	295	44.3	5	B
Aroclor 1254	ND		ug/kg	295	32.3	5	A
Aroclor 1260	ND		ug/kg	295	54.5	5	A
Aroclor 1262	ND		ug/kg	295	37.5	5	A
Aroclor 1268	ND		ug/kg	295	30.6	5	A
PCBs, Total	2320		ug/kg	295	26.2	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344780
Project Number: EE1705007.0032
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-34
Client ID: SB04-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 13:44
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/13/23 17:43
Analyst: MEO
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 05:12
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	60.9	5.41	1	A
Aroclor 1221	ND		ug/kg	60.9	6.10	1	A
Aroclor 1232	ND		ug/kg	60.9	12.9	1	A
Aroclor 1242	ND		ug/kg	60.9	8.21	1	A
Aroclor 1248	200		ug/kg	60.9	9.14	1	A
Aroclor 1254	ND		ug/kg	60.9	6.66	1	A
Aroclor 1260	ND		ug/kg	60.9	11.2	1	A
Aroclor 1262	ND		ug/kg	60.9	7.74	1	A
Aroclor 1268	ND		ug/kg	60.9	6.31	1	A
PCBs, Total	200		ug/kg	60.9	5.41	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344780
Project Number: EE1705007.0032
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-35
Client ID: SB04-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 13:45
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/13/23 17:51
Analyst: MEO
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 05:12
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	59.7	5.30	1	A
Aroclor 1221	ND		ug/kg	59.7	5.98	1	A
Aroclor 1232	ND		ug/kg	59.7	12.6	1	A
Aroclor 1242	ND		ug/kg	59.7	8.04	1	A
Aroclor 1248	194		ug/kg	59.7	8.95	1	B
Aroclor 1254	ND		ug/kg	59.7	6.53	1	A
Aroclor 1260	ND		ug/kg	59.7	11.0	1	A
Aroclor 1262	ND		ug/kg	59.7	7.58	1	A
Aroclor 1268	ND		ug/kg	59.7	6.18	1	A
PCBs, Total	194		ug/kg	59.7	5.30	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-36
Client ID: SB03-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 13:58
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/13/23 18:20
Analyst: ER
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 05:12
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.7	4.86	1	A
Aroclor 1221	ND		ug/kg	54.7	5.48	1	A
Aroclor 1232	ND		ug/kg	54.7	11.6	1	A
Aroclor 1242	ND		ug/kg	54.7	7.38	1	A
Aroclor 1248	14.0	J	ug/kg	54.7	8.21	1	B
Aroclor 1254	36.9	J	ug/kg	54.7	5.99	1	B
Aroclor 1260	16.4	J	ug/kg	54.7	10.1	1	B
Aroclor 1262	ND		ug/kg	54.7	6.95	1	A
Aroclor 1268	ND		ug/kg	54.7	5.67	1	A
PCBs, Total	67.3	J	ug/kg	54.7	4.86	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344780
Project Number: EE1705007.0032
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-37
Client ID: SB03-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 13:59
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/13/23 17:59
Analyst: MEO
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 05:12
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.2	4.81	1	A
Aroclor 1221	ND		ug/kg	54.2	5.43	1	A
Aroclor 1232	ND		ug/kg	54.2	11.5	1	A
Aroclor 1242	ND		ug/kg	54.2	7.30	1	A
Aroclor 1248	14.6	J	ug/kg	54.2	8.12	1	A
Aroclor 1254	ND		ug/kg	54.2	5.92	1	A
Aroclor 1260	12.0	J	ug/kg	54.2	10.0	1	B
Aroclor 1262	ND		ug/kg	54.2	6.88	1	A
Aroclor 1268	ND		ug/kg	54.2	5.61	1	A
PCBs, Total	26.6	J	ug/kg	54.2	4.81	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344780
Project Number: EE1705007.0032
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-38
Client ID: SB01-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 14:09
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/13/23 18:07
Analyst: MEO
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 05:12
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	64.5	5.73	1	A
Aroclor 1221	ND		ug/kg	64.5	6.47	1	A
Aroclor 1232	ND		ug/kg	64.5	13.7	1	A
Aroclor 1242	ND		ug/kg	64.5	8.70	1	A
Aroclor 1248	29.8	J	ug/kg	64.5	9.68	1	A
Aroclor 1254	ND		ug/kg	64.5	7.06	1	A
Aroclor 1260	ND		ug/kg	64.5	11.9	1	A
Aroclor 1262	ND		ug/kg	64.5	8.20	1	A
Aroclor 1268	ND		ug/kg	64.5	6.69	1	A
PCBs, Total	29.8	J	ug/kg	64.5	5.73	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344780
Project Number: EE1705007.0032
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-39
Client ID: SB01-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 14:10
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/13/23 18:15
Analyst: MEO
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 05:12
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.5	5.02	1	A
Aroclor 1221	ND		ug/kg	56.5	5.66	1	A
Aroclor 1232	ND		ug/kg	56.5	12.0	1	A
Aroclor 1242	ND		ug/kg	56.5	7.62	1	A
Aroclor 1248	76.2		ug/kg	56.5	8.48	1	A
Aroclor 1254	ND		ug/kg	56.5	6.18	1	A
Aroclor 1260	12.3	J	ug/kg	56.5	10.4	1	B
Aroclor 1262	ND		ug/kg	56.5	7.18	1	A
Aroclor 1268	ND		ug/kg	56.5	5.86	1	A
PCBs, Total	88.5	J	ug/kg	56.5	5.02	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344780
Project Number: EE1705007.0032
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-40
Client ID: SB02-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 14:19
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/13/23 18:23
Analyst: MEO
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 05:12
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	60.7	5.39	1	A
Aroclor 1221	ND		ug/kg	60.7	6.08	1	A
Aroclor 1232	ND		ug/kg	60.7	12.9	1	A
Aroclor 1242	ND		ug/kg	60.7	8.18	1	A
Aroclor 1248	262		ug/kg	60.7	9.10	1	A
Aroclor 1254	ND		ug/kg	60.7	6.64	1	A
Aroclor 1260	ND		ug/kg	60.7	11.2	1	A
Aroclor 1262	ND		ug/kg	60.7	7.70	1	A
Aroclor 1268	ND		ug/kg	60.7	6.28	1	A
PCBs, Total	262		ug/kg	60.7	5.39	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-41
Client ID: SB02-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 14:20
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 10:31
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 10:04
Cleanup Method: EPA 3665A
Cleanup Date: 08/14/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/14/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.9	4.79	1	A
Aroclor 1221	ND		ug/kg	53.9	5.40	1	A
Aroclor 1232	ND		ug/kg	53.9	11.4	1	A
Aroclor 1242	ND		ug/kg	53.9	7.27	1	A
Aroclor 1248	52.7	J	ug/kg	53.9	8.09	1	A
Aroclor 1254	ND		ug/kg	53.9	5.90	1	A
Aroclor 1260	ND		ug/kg	53.9	9.97	1	A
Aroclor 1262	ND		ug/kg	53.9	6.85	1	A
Aroclor 1268	ND		ug/kg	53.9	5.59	1	A
PCBs, Total	52.7	J	ug/kg	53.9	4.79	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-42 D
Client ID: SB36-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 15:19
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 20:54
Analyst: MEO
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 10:04
Cleanup Method: EPA 3665A
Cleanup Date: 08/14/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/14/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5930	527.	100	A
Aroclor 1221	ND		ug/kg	5930	594.	100	A
Aroclor 1232	ND		ug/kg	5930	1260	100	A
Aroclor 1242	ND		ug/kg	5930	800.	100	A
Aroclor 1248	47200		ug/kg	5930	890.	100	A
Aroclor 1254	ND		ug/kg	5930	649.	100	A
Aroclor 1260	ND		ug/kg	5930	1100	100	A
Aroclor 1262	ND		ug/kg	5930	754.	100	A
Aroclor 1268	ND		ug/kg	5930	615.	100	A
PCBs, Total	47200		ug/kg	5930	527.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-43 D
Client ID: SB36-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 15:20
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 19:15
Analyst: MEO
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 10:04
Cleanup Method: EPA 3665A
Cleanup Date: 08/14/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/14/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1180	105.	20	A
Aroclor 1221	ND		ug/kg	1180	118.	20	A
Aroclor 1232	ND		ug/kg	1180	250.	20	A
Aroclor 1242	ND		ug/kg	1180	159.	20	A
Aroclor 1248	5070		ug/kg	1180	177.	20	A
Aroclor 1254	ND		ug/kg	1180	129.	20	A
Aroclor 1260	ND		ug/kg	1180	218.	20	A
Aroclor 1262	ND		ug/kg	1180	150.	20	A
Aroclor 1268	ND		ug/kg	1180	122.	20	A
PCBs, Total	5070		ug/kg	1180	105.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-44 D
Client ID: SB65-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 15:54
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 21:04
Analyst: MEO
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 10:04
Cleanup Method: EPA 3665A
Cleanup Date: 08/14/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/14/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5630	500.	100	A
Aroclor 1221	ND		ug/kg	5630	564.	100	A
Aroclor 1232	ND		ug/kg	5630	1190	100	A
Aroclor 1242	ND		ug/kg	5630	759.	100	A
Aroclor 1248	33700		ug/kg	5630	844.	100	A
Aroclor 1254	ND		ug/kg	5630	616.	100	A
Aroclor 1260	ND		ug/kg	5630	1040	100	A
Aroclor 1262	ND		ug/kg	5630	715.	100	A
Aroclor 1268	ND		ug/kg	5630	583.	100	A
PCBs, Total	33700		ug/kg	5630	500.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-45 D
Client ID: SB65-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 15:55
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 21:14
Analyst: MEO
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 10:04
Cleanup Method: EPA 3665A
Cleanup Date: 08/14/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/14/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5310	471.	100	A
Aroclor 1221	ND		ug/kg	5310	532.	100	A
Aroclor 1232	ND		ug/kg	5310	1120	100	A
Aroclor 1242	ND		ug/kg	5310	715.	100	A
Aroclor 1248	26400		ug/kg	5310	796.	100	A
Aroclor 1254	ND		ug/kg	5310	580.	100	A
Aroclor 1260	ND		ug/kg	5310	981.	100	A
Aroclor 1262	ND		ug/kg	5310	674.	100	A
Aroclor 1268	ND		ug/kg	5310	550.	100	A
PCBs, Total	26400		ug/kg	5310	471.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-46 D
Client ID: SB64-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 16:09
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 20:44
Analyst: MEO
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 10:04
Cleanup Method: EPA 3665A
Cleanup Date: 08/14/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/14/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	304	27.0	5	A
Aroclor 1221	ND		ug/kg	304	30.5	5	A
Aroclor 1232	ND		ug/kg	304	64.5	5	A
Aroclor 1242	ND		ug/kg	304	41.0	5	A
Aroclor 1248	1480		ug/kg	304	45.6	5	A
Aroclor 1254	ND		ug/kg	304	33.3	5	A
Aroclor 1260	ND		ug/kg	304	56.2	5	A
Aroclor 1262	ND		ug/kg	304	38.6	5	A
Aroclor 1268	ND		ug/kg	304	31.5	5	A
PCBs, Total	1480		ug/kg	304	27.0	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-47 D
Client ID: SB64-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 16:10
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 19:25
Analyst: MEO
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 10:04
Cleanup Method: EPA 3665A
Cleanup Date: 08/14/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/14/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1130	100.	20	A
Aroclor 1221	ND		ug/kg	1130	113.	20	A
Aroclor 1232	ND		ug/kg	1130	240.	20	A
Aroclor 1242	ND		ug/kg	1130	152.	20	A
Aroclor 1248	6810		ug/kg	1130	170.	20	A
Aroclor 1254	ND		ug/kg	1130	124.	20	A
Aroclor 1260	ND		ug/kg	1130	209.	20	A
Aroclor 1262	ND		ug/kg	1130	144.	20	A
Aroclor 1268	ND		ug/kg	1130	117.	20	A
PCBs, Total	6810		ug/kg	1130	100.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344780
Project Number: EE1705007.0032
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-48
Client ID: RINSTATE BLANK-08022023
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/02/23 16:40
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/17/23 10:13
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 08/13/23 11:21
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/14/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-49 D
Client ID: SB63-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/03/23 08:57
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 23:29
Analyst: MEO
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 10:04
Cleanup Method: EPA 3665A
Cleanup Date: 08/14/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/14/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	6040	536.	100	A
Aroclor 1221	ND		ug/kg	6040	605.	100	A
Aroclor 1232	ND		ug/kg	6040	1280	100	A
Aroclor 1242	ND		ug/kg	6040	814.	100	A
Aroclor 1248	14800		ug/kg	6040	906.	100	A
Aroclor 1254	ND		ug/kg	6040	660.	100	A
Aroclor 1260	ND		ug/kg	6040	1120	100	A
Aroclor 1262	ND		ug/kg	6040	767.	100	A
Aroclor 1268	ND		ug/kg	6040	625.	100	A
PCBs, Total	14800		ug/kg	6040	536.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-50 D
Client ID: SB63-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/03/23 08:58
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 19:45
Analyst: MEO
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 10:04
Cleanup Method: EPA 3665A
Cleanup Date: 08/14/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/14/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1130	100.	20	A
Aroclor 1221	ND		ug/kg	1130	113.	20	A
Aroclor 1232	ND		ug/kg	1130	239.	20	A
Aroclor 1242	ND		ug/kg	1130	152.	20	A
Aroclor 1248	10000		ug/kg	1130	169.	20	A
Aroclor 1254	ND		ug/kg	1130	124.	20	A
Aroclor 1260	ND		ug/kg	1130	209.	20	A
Aroclor 1262	ND		ug/kg	1130	143.	20	A
Aroclor 1268	ND		ug/kg	1130	117.	20	A
PCBs, Total	10000		ug/kg	1130	100.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344780
Project Number: EE1705007.0032
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-51 D
Client ID: SB63-Z 0-2-Q
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/03/23 08:59
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 23:38
Analyst: MEO
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 10:04
Cleanup Method: EPA 3665A
Cleanup Date: 08/14/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/14/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	6140	545.	100	A
Aroclor 1221	ND		ug/kg	6140	615.	100	A
Aroclor 1232	ND		ug/kg	6140	1300	100	A
Aroclor 1242	ND		ug/kg	6140	828.	100	A
Aroclor 1248	19800		ug/kg	6140	921.	100	A
Aroclor 1254	ND		ug/kg	6140	672.	100	A
Aroclor 1260	ND		ug/kg	6140	1140	100	A
Aroclor 1262	ND		ug/kg	6140	780.	100	A
Aroclor 1268	ND		ug/kg	6140	636.	100	A
PCBs, Total	19800		ug/kg	6140	545.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344780
Project Number: EE1705007.0032
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-52 D
Client ID: SB62-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/03/23 09:14
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 20:05
Analyst: MEO
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 10:04
Cleanup Method: EPA 3665A
Cleanup Date: 08/14/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/14/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1270	113.	20	A
Aroclor 1221	ND		ug/kg	1270	127.	20	A
Aroclor 1232	ND		ug/kg	1270	269.	20	A
Aroclor 1242	ND		ug/kg	1270	171.	20	A
Aroclor 1248	5730		ug/kg	1270	191.	20	A
Aroclor 1254	ND		ug/kg	1270	139.	20	A
Aroclor 1260	ND		ug/kg	1270	235.	20	A
Aroclor 1262	ND		ug/kg	1270	161.	20	A
Aroclor 1268	ND		ug/kg	1270	132.	20	A
PCBs, Total	5730		ug/kg	1270	113.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-53 D
Client ID: SB62-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/03/23 09:15
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 20:15
Analyst: MEO
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 10:04
Cleanup Method: EPA 3665A
Cleanup Date: 08/14/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/14/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1130	100.	20	A
Aroclor 1221	ND		ug/kg	1130	113.	20	A
Aroclor 1232	ND		ug/kg	1130	239.	20	A
Aroclor 1242	ND		ug/kg	1130	152.	20	A
Aroclor 1248	6390		ug/kg	1130	169.	20	A
Aroclor 1254	ND		ug/kg	1130	124.	20	A
Aroclor 1260	ND		ug/kg	1130	209.	20	A
Aroclor 1262	ND		ug/kg	1130	143.	20	A
Aroclor 1268	ND		ug/kg	1130	117.	20	A
PCBs, Total	6390		ug/kg	1130	100.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344780
Project Number: EE1705007.0032
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-54 D
Client ID: SB61-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/03/23 09:29
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 20:24
Analyst: MEO
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 10:04
Cleanup Method: EPA 3665A
Cleanup Date: 08/14/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/14/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1210	107.	20	A
Aroclor 1221	ND		ug/kg	1210	121.	20	A
Aroclor 1232	ND		ug/kg	1210	256.	20	A
Aroclor 1242	ND		ug/kg	1210	163.	20	A
Aroclor 1248	9290		ug/kg	1210	182.	20	A
Aroclor 1254	ND		ug/kg	1210	132.	20	A
Aroclor 1260	ND		ug/kg	1210	224.	20	A
Aroclor 1262	ND		ug/kg	1210	154.	20	A
Aroclor 1268	ND		ug/kg	1210	125.	20	A
PCBs, Total	9290		ug/kg	1210	107.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-55 D
Client ID: SB61-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/03/23 09:30
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/15/23 10:12
Analyst: ER
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/14/23 16:46
Cleanup Method: EPA 3665A
Cleanup Date: 08/14/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/15/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	282	25.0	5	A
Aroclor 1221	ND		ug/kg	282	28.2	5	A
Aroclor 1232	ND		ug/kg	282	59.7	5	A
Aroclor 1242	ND		ug/kg	282	38.0	5	A
Aroclor 1248	1240		ug/kg	282	42.2	5	B
Aroclor 1254	ND		ug/kg	282	30.8	5	A
Aroclor 1260	ND		ug/kg	282	52.0	5	A
Aroclor 1262	ND		ug/kg	282	35.8	5	A
Aroclor 1268	ND		ug/kg	282	29.2	5	A
PCBs, Total	1240		ug/kg	282	25.0	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-56 D
Client ID: SB60-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/03/23 09:49
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/14/23 20:34
Analyst: MEO
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 08/13/23 10:04
Cleanup Method: EPA 3665A
Cleanup Date: 08/14/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/14/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1140	101.	20	A
Aroclor 1221	ND		ug/kg	1140	114.	20	A
Aroclor 1232	ND		ug/kg	1140	242.	20	A
Aroclor 1242	ND		ug/kg	1140	154.	20	A
Aroclor 1248	11700		ug/kg	1140	171.	20	A
Aroclor 1254	ND		ug/kg	1140	125.	20	A
Aroclor 1260	ND		ug/kg	1140	211.	20	A
Aroclor 1262	ND		ug/kg	1140	145.	20	A
Aroclor 1268	ND		ug/kg	1140	118.	20	A
PCBs, Total	11700		ug/kg	1140	101.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-57 D
Client ID: SB60-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/03/23 09:50
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/15/23 10:20
Analyst: ER
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/14/23 16:46
Cleanup Method: EPA 3665A
Cleanup Date: 08/14/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/15/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1130	101.	20	A
Aroclor 1221	ND		ug/kg	1130	114.	20	A
Aroclor 1232	ND		ug/kg	1130	240.	20	A
Aroclor 1242	ND		ug/kg	1130	153.	20	A
Aroclor 1248	5950		ug/kg	1130	170.	20	B
Aroclor 1254	ND		ug/kg	1130	124.	20	A
Aroclor 1260	ND		ug/kg	1130	209.	20	A
Aroclor 1262	ND		ug/kg	1130	144.	20	A
Aroclor 1268	ND		ug/kg	1130	117.	20	A
PCBs, Total	5950		ug/kg	1130	101.	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2344780
Project Number: EE1705007.0032
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-58
Client ID: RINSTATE BLANK-08032023
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/03/23 10:10
Date Received: 08/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/17/23 10:22
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 08/13/23 11:21
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/14/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/14/23 08:00
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 08/13/23 01:49
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04,06-07,11-17,20,22,24 Batch: WG1815229-1						
Aroclor 1016	ND		ug/kg	49.6	4.40	A
Aroclor 1221	ND		ug/kg	49.6	4.97	A
Aroclor 1232	ND		ug/kg	49.6	10.5	A
Aroclor 1242	ND		ug/kg	49.6	6.69	A
Aroclor 1248	ND		ug/kg	49.6	7.44	A
Aroclor 1254	ND		ug/kg	49.6	5.43	A
Aroclor 1260	ND		ug/kg	49.6	9.17	A
Aroclor 1262	ND		ug/kg	49.6	6.30	A
Aroclor 1268	ND		ug/kg	49.6	5.14	A
PCBs, Total	ND		ug/kg	49.6	4.40	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/13/23 17:32
Analyst: ER

Extraction Method: EPA 3546
Extraction Date: 08/13/23 05:12
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/13/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 18-19,21,23,25-40 Batch: WG1815238-1						
Aroclor 1016	ND		ug/kg	49.4	4.39	A
Aroclor 1221	ND		ug/kg	49.4	4.96	A
Aroclor 1232	ND		ug/kg	49.4	10.5	A
Aroclor 1242	ND		ug/kg	49.4	6.67	A
Aroclor 1248	ND		ug/kg	49.4	7.42	A
Aroclor 1254	ND		ug/kg	49.4	5.41	A
Aroclor 1260	ND		ug/kg	49.4	9.14	A
Aroclor 1262	ND		ug/kg	49.4	6.28	A
Aroclor 1268	ND		ug/kg	49.4	5.12	A
PCBs, Total	ND		ug/kg	49.4	4.39	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2344780

Project Number: EE1705007.0032 **Report Date:** 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/17/23 09:22
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 08/13/23 11:21
Cleanup Method: EPA 3665A
Cleanup Date: 08/13/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/14/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 05,48,58 Batch: WG1815253-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	B
PCBs, Total	ND		ug/l	0.071	0.061	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/14/23 07:43
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 08/13/23 10:04
Cleanup Method: EPA 3665A
Cleanup Date: 08/14/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/14/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 41-47,49-54,56 Batch: WG1815289-1						
Aroclor 1016	ND		ug/kg	47.4	4.21	A
Aroclor 1221	ND		ug/kg	47.4	4.75	A
Aroclor 1232	ND		ug/kg	47.4	10.0	A
Aroclor 1242	ND		ug/kg	47.4	6.39	A
Aroclor 1248	ND		ug/kg	47.4	7.11	A
Aroclor 1254	ND		ug/kg	47.4	5.18	A
Aroclor 1260	ND		ug/kg	47.4	8.76	A
Aroclor 1262	ND		ug/kg	47.4	6.02	A
Aroclor 1268	ND		ug/kg	47.4	4.91	A
PCBs, Total	ND		ug/kg	47.4	4.21	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/15/23 03:27
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 08/14/23 15:35
Cleanup Method: EPA 3665A
Cleanup Date: 08/14/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/15/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 55,57 Batch: WG1815754-1						
Aroclor 1016	ND		ug/kg	46.0	4.08	A
Aroclor 1221	ND		ug/kg	46.0	4.60	A
Aroclor 1232	ND		ug/kg	46.0	9.74	A
Aroclor 1242	ND		ug/kg	46.0	6.19	A
Aroclor 1248	ND		ug/kg	46.0	6.89	A
Aroclor 1254	ND		ug/kg	46.0	5.03	A
Aroclor 1260	ND		ug/kg	46.0	8.49	A
Aroclor 1262	ND		ug/kg	46.0	5.84	A
Aroclor 1268	ND		ug/kg	46.0	4.76	A
PCBs, Total	ND		ug/kg	46.0	4.08	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	74		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2344780

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04,06-07,11-17,20,22,24 Batch: WG1815229-2 WG1815229-3									
Aroclor 1016	83		85		40-140	2		50	A
Aroclor 1260	80		86		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		86		30-150	A
Decachlorobiphenyl	101		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		90		30-150	B
Decachlorobiphenyl	100		96		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2344780

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 18-19,21,23,25-40 Batch: WG1815238-2 WG1815238-3									
Aroclor 1016	87		86		40-140	1		50	A
Aroclor 1260	86		84		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		85		30-150	A
Decachlorobiphenyl	85		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		87		30-150	B
Decachlorobiphenyl	86		87		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2344780
Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 05,48,58 Batch: WG1815253-2 WG1815253-3									
Aroclor 1016	81		85		40-140	5		50	A
Aroclor 1260	78		81		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		50		30-150	A
Decachlorobiphenyl	83		86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		37		30-150	B
Decachlorobiphenyl	65		68		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2344780

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 41-47,49-54,56 Batch: WG1815289-2 WG1815289-3									
Aroclor 1016	84		98		40-140	15		50	A
Aroclor 1260	78		83		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		87		30-150	A
Decachlorobiphenyl	60		58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		94		30-150	B
Decachlorobiphenyl	58		60		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2344780
Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 55,57 Batch: WG1815754-2 WG1815754-3									
Aroclor 1016	70		46		40-140	41		50	A
Aroclor 1260	68		45		40-140	41		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		43		30-150	A
Decachlorobiphenyl	66		40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		45		30-150	B
Decachlorobiphenyl	65		39		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2344780

Report Date: 08/17/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04,06-07,11-17,20,22,24 QC Batch ID: WG1815229-4 WG1815229-5 QC Sample: L2344780-02 Client ID: SB23-Z 6-12													
Aroclor 1016	ND	369	302	82		296	81		40-140	2		50	A
Aroclor 1260	25.9J	369	315	85		319	88		40-140	1		50	B

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		78		30-150	A
Decachlorobiphenyl	79		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		80		30-150	B
Decachlorobiphenyl	79		82		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2344780

Report Date: 08/17/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 18-19,21,23,25-40 QC Batch ID: WG1815238-6 WG1815238-7 QC Sample: L2344780-36 Client ID: SB03-Z 0-2													
Aroclor 1016	ND	362	262	72		266	74		40-140	2		50	A
Aroclor 1260	16.4J	362	268	74		266	74		40-140	1		50	B

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		68		30-150	A
Decachlorobiphenyl	65		61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		71		30-150	B
Decachlorobiphenyl	68		63		30-150	B

INORGANICS
&
MISCELLANEOUS

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-01
Client ID: SB23-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/01/23 15:04
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.7		%	0.100	NA	1	-	08/05/23 12:28	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-02
Client ID: SB23-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 15:05
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.2		%	0.100	NA	1	-	08/05/23 12:28	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-03
Client ID: SB24-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 15:29
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	72.7		%	0.100	NA	1	-	08/05/23 12:28	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-04
Client ID: SB24-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/01/23 15:30
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.9		%	0.100	NA	1	-	08/05/23 12:28	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-06
Client ID: SB17-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 09:09
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.3		%	0.100	NA	1	-	08/05/23 12:28	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-07
Client ID: SB17-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 09:10
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.8		%	0.100	NA	1	-	08/05/23 12:28	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-11
Client ID: SB16-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 09:59
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.8		%	0.100	NA	1	-	08/05/23 12:28	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-12
Client ID: SB16-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 10:00
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.4		%	0.100	NA	1	-	08/05/23 12:28	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-13
Client ID: SB14-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 10:15
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.4		%	0.100	NA	1	-	08/05/23 12:28	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-14
Client ID: SB14-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 10:16
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.7		%	0.100	NA	1	-	08/05/23 12:28	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-15
Client ID: SB12-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 10:29
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	08/05/23 12:28	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-16
Client ID: SB12-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 10:30
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.6		%	0.100	NA	1	-	08/05/23 12:28	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-17
Client ID: SB13-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 10:44
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.4		%	0.100	NA	1	-	08/05/23 12:28	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-18
Client ID: SB13-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 10:45
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.2		%	0.100	NA	1	-	08/05/23 12:28	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-19
Client ID: SB11-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 10:54
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.5		%	0.100	NA	1	-	08/05/23 12:28	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-20
Client ID: SB11-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 10:55
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	08/05/23 12:28	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-21
Client ID: SB10-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 11:19
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.6		%	0.100	NA	1	-	08/05/23 12:39	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-22
Client ID: SB10-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 11:20
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.9		%	0.100	NA	1	-	08/05/23 12:39	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-23
Client ID: SB09-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 11:28
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.0		%	0.100	NA	1	-	08/05/23 12:39	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-24
Client ID: SB09-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 11:28
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.0		%	0.100	NA	1	-	08/05/23 12:39	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-25
Client ID: SB08-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 11:44
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.3		%	0.100	NA	1	-	08/05/23 12:39	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-26
Client ID: SB08-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 11:45
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.1		%	0.100	NA	1	-	08/05/23 12:39	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-27
Client ID: SB05-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 11:54
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.4		%	0.100	NA	1	-	08/05/23 12:39	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-28
Client ID: SB05-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 11:55
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.2		%	0.100	NA	1	-	08/05/23 12:39	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-29
Client ID: SB05-Z 0-2-Q
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 12:00
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.0		%	0.100	NA	1	-	08/05/23 12:39	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-30
Client ID: SB07-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/02/23 12:24
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.3		%	0.100	NA	1	-	08/05/23 12:39	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-31
Client ID: SB07-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 12:25
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.2		%	0.100	NA	1	-	08/05/23 12:39	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-32
Client ID: SB06-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 13:34
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.3		%	0.100	NA	1	-	08/05/23 12:39	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-33
Client ID: SB06-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/02/23 13:35
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.2		%	0.100	NA	1	-	08/05/23 12:39	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-34
Client ID: SB04-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 13:44
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.4		%	0.100	NA	1	-	08/05/23 12:39	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-35
Client ID: SB04-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 13:45
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.2		%	0.100	NA	1	-	08/05/23 12:39	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-36
Client ID: SB03-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/02/23 13:58
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	08/05/23 12:39	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-37
Client ID: SB03-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 13:59
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.6		%	0.100	NA	1	-	08/05/23 12:39	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-38
Client ID: SB01-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/02/23 14:09
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.7		%	0.100	NA	1	-	08/05/23 12:39	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-39
Client ID: SB01-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 14:10
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	08/05/23 12:39	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-40
Client ID: SB02-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/02/23 14:19
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.1		%	0.100	NA	1	-	08/05/23 12:39	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-41
Client ID: SB02-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 14:20
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.4		%	0.100	NA	1	-	08/05/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-42
Client ID: SB36-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/02/23 15:19
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.5		%	0.100	NA	1	-	08/05/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-43
Client ID: SB36-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 15:20
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.9		%	0.100	NA	1	-	08/05/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-44
Client ID: SB65-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/02/23 15:54
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	08/05/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-45
Client ID: SB65-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/02/23 15:55
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.4		%	0.100	NA	1	-	08/05/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-46
Client ID: SB64-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/02/23 16:09
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.6		%	0.100	NA	1	-	08/05/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-47
Client ID: SB64-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/02/23 16:10
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.1		%	0.100	NA	1	-	08/05/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-49
Client ID: SB63-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/03/23 08:57
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.1		%	0.100	NA	1	-	08/05/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-50
Client ID: SB63-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/03/23 08:58
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	08/05/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-51
Client ID: SB63-Z 0-2-Q
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/03/23 08:59
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.4		%	0.100	NA	1	-	08/05/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-52
Client ID: SB62-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/03/23 09:14
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.2		%	0.100	NA	1	-	08/05/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-53
Client ID: SB62-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/03/23 09:15
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	08/05/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-54
Client ID: SB61-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/03/23 09:29
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.1		%	0.100	NA	1	-	08/05/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-55
Client ID: SB61-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/03/23 09:30
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.2		%	0.100	NA	1	-	08/05/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-56
Client ID: SB60-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/03/23 09:49
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.9		%	0.100	NA	1	-	08/05/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2344780
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2344780-57
Client ID: SB60-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/03/23 09:50
Date Received: 08/03/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.1		%	0.100	NA	1	-	08/05/23 12:49	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2344780

Report Date: 08/17/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04,06-07,11-20 QC Batch ID: WG1812229-1 QC Sample: L2344780-02 Client ID: SB23-Z 6-12						
Solids, Total	82.2	81.6	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 21-40 QC Batch ID: WG1812231-1 QC Sample: L2344780-36 Client ID: SB03-Z 0-2						
Solids, Total	83.2	83.0	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 41-47,49-57 QC Batch ID: WG1812232-1 QC Sample: L2344780-56 Client ID: SB60-Z 0-2						
Solids, Total	79.9	80.9	%	1		20

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2344780
Report Date: 08/17/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2344780-01A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-01B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-02A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-02A2	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-02B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-02B2	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-03A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-03B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-04A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-04B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-05A	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2344780-05B	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2344780-06A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-06B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-07A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-07B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-08A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		HOLD-WETCHEM()
L2344780-08B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		HOLD-8082(14)
L2344780-09A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		HOLD-WETCHEM()
L2344780-09B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		HOLD-8082(14)
L2344780-10A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		HOLD-WETCHEM()
L2344780-10B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		HOLD-8082(14)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2344780
Report Date: 08/17/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2344780-11A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-11B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-12A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-12B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-13A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-13B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-14A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-14B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-15A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-15B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-16A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-16B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-17A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-17B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-18A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-18B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-19A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-19A2	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-19B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-19B2	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-20A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-20B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-21A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-21B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-22A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-22B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-23A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-23B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2344780
Report Date: 08/17/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2344780-24A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-24B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-25A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-25B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-26A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-26B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-27A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-27B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-28A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-28B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-29A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-29B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-30A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-30B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-31A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-31B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-32A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-32B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-33A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-33B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-34A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-34B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-35A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-35B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-36A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-36A2	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-36B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-36B2	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2344780
Report Date: 08/17/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2344780-37A	Plastic 2oz unpreserved for TS	B	NA		4.1	Y	Absent		TS(7)
L2344780-37B	Glass 60mL/2oz unpreserved	B	NA		4.1	Y	Absent		NYTCL-8082(365)
L2344780-38A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-38B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-39A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-39B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-40A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-40B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-41A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-41B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-42A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-42B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-43A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-43B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-44A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-44B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-45A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-45B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-46A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-46B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-47A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-47B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-48A	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2344780-48B	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2344780-49A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-49B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-50A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-50B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2344780
Report Date: 08/17/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2344780-51A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-51B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-52A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-52B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-53A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-53B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-54A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-54B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-55A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-55B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-56A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-56A2	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-56B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-56B2	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-57A	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L2344780-57B	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8082(365)
L2344780-58A	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2344780-58B	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8082-LVI(365)

*Values in parentheses indicate holding time in days

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2344780
Project Number:	EE1705007.0032	**Report Date:**	08/17/23

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2344780
Project Number:	EE1705007.0032	**Report Date:**	08/17/23

Footnotes

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

Terms

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

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

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

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2344780
Project Number:	EE1705007.0032	**Report Date:**	08/17/23

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2344780
Project Number:	EE1705007.0032	**Report Date:**	08/17/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 7 of 6

Date Rec'd in Lab: 8/4/23

ALPHA Job #: L2344780

Client Information

Client: WSP USA
Address: 40 La Riviera Drive, Buffalo NY
Phone: 720 737 7033
Fax:
Email: Drew.Bullinger@wsp.com

Project Information

Project Name: Loucks Road Extension
Project Location: East Syracuse, Dewitt
Project #: EE1705007.0032
(Use Project name as Project #)
Project Manager: Drew.Bullinger@wsp.com
ALPHAQuote #:

Turn-Around Time

Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables

[ ] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement

[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information

[ ] Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

NYTCL-8081 (Pkg)
TS
MS/MSD

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8081 (Pkg)	TS	MS/MSD	Sample Specific Comments
44780-01	SB 23-20-2	8/1/23	15:04	soil	DB	1	1		
02	SB 23-26-12	8/1/23	15:05	soil	DB	1	1	X	MS/MSD
03	SB 24-20-2	8/1/23	15:19	soil	DB	1	1		
04	SB 24-26-12	8/1/23	15:30	soil	DB	1	1		
05	Finsate Blank -08012023	8/1/23	16:45	water	DB	1	1		
06	SB 17-20-2	8/2/23	9:09	soil	DB	1	1		
07	SB 17-26-12	8/2/23	9:10	soil	DB	1	1		
08	SB 15-20-2	8/2/23	9:39	soil	DB	1	1		
09	SB 15-26-12	8/2/23	9:40	soil	DB	1	1		
10	SB 15-26-12-D	8/2/23	9:41	soil	DB	1	1		

Container Type: P/G | P
Preservative: A | A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	8/3/23 11:00	Secure Storage	08/03/23 1100
Secure Storage	08/03/23 1130	Alex CL Tille	08/03/23 1130
Alex CL Tille	08/03/23 1130		8/4/23 0700

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 6

Date Rec'd in Lab: 8/4/23

ALPHA Job #: L2344780

Client Information

Client: WSP USA
Address: 40 La Riviera Drive, Buffalo NY
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information

Project Name: Loucks Road Extension
Project Location: East Syracuse, De Witt
Project #: EE170S007.0032
(Use Project name as Project #)
Project Manager: Drew.Bullinger@wsp.com
ALPHAQuote #:

Turn-Around Time

Standard: ☒ Due Date:
Rush (only if pre approved): ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8082 (Pcb)	TS	Total Bottle	Sample Specific Comments
44780 11	SB 16-20-2	8/2/23	9:59	Soil	DB	1	1		
12	SB 16-26-12	8/2/23	10:00	Soil	DB	1	1		
~~SB 15 20-2~~		~~8/2/23~~	~~9:39~~						
~~SB 15 26-12~~		~~8/2/23~~	~~9:40~~						
13	SB 14-20-2	8/2/23	10:15	Soil	DB	1	1		
14	SB 14-26-12	8/2/23	10:16	Soil	DB	1	1		
15	SB 12-20-2	8/2/23	10:29	Soil	DB	1	1		
16	SB 12-26-12	8/2/23	10:30	Soil	DB	1	1		
17	SB 13-20-2	8/2/23	10:44	Soil	DB	1	1		
18	SB 13-26-12	8/2/23	10:45	Soil	DB	1	1		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P							
Preservative	A	A							

Relinquished By:	Date/Time	AAL Received By:	Date/Time
Drew Bullinger	8/3/23 11:00	Secure Storage	08/03/23 1100
Secure Storage	08/03/23 1130	AAL Client	08/03/23 1130
Client	08/03/23 1130		8/4/23 0100

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of 6

Date Rec'd in Lab: 8/4/23

ALPHA Job #: L2344780

Client Information
Client: WSP USA
Address: 40 La Riviere Drive, Buffalo NY
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@wsp.com

Project Information
Project Name: Loucks Road Extension
Project Location: East Syracuse, DeWitt
Project #: EE1705007.0032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables
[ ] ASP-A [ ] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement
[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information
[ ] Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8082 (Pest)	TS	MS/MSD	Sample Specific Comments
44780 19	SB11-20-2	8/2/23	10:54	Soil	DB	/	/	X	MS/MSD
20	SB11-26-12	8/2/23	10:55	Soil	DB	/	/		
21	SB10-20-2	8/2/23	11:19	Soil	DB	/	/		
22	SB10-26-12	8/2/23	11:20	Soil	DB	/	/		
23	SB09-20-2	8/2/23	11:19	Soil	DB	/	/		
24	SB09-26-12	8/2/23	11:29	Soil	DB	/	/		
25	SBOP-20-2	8/2/23	11:44	Soil	DB	/	/		
26	SBOP-26-12	8/2/23	11:45	Soil	DB	/	/		
27	SB05-20-2	8/2/23	11:54	Soil	DB	/	/		
28	SB05-26-12	8/2/23	11:55	Soil	DB	/	/		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P											
Preservative	A	A											

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	8/3/23 11:00	Secure Storage	08/03/23 1100
Secure Storage	08/03/23 1130	AAL Client	08/03/23 1130
Client	08/03/23 1130		8/4/23 0130

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 4 of 6

Date Rec'd in Lab: 8/4/23

ALPHA Job #: L2344780

Client Information
Client: WSP USA
Address: 40 La Riviere Drive, Buffalo NY
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information
Project Name: Loucks Road Extension
Project Location: East Syracuse, DeWitt
Project #: EE1705007.0032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard: X
Rush (only if pre approved):
Due Date:
# of Days:

These samples have been previously analyzed by Alpha
Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
ASP-A / ASP-B
EQuIS (1 File) / EQuIS (4 File)
Other

Regulatory Requirement
NY TOGS / NY Part 375
AWQ Standards / NY CP-51
NY Restricted Use / Other
NY Unrestricted Use
NYC Sewer Discharge

Billing Information
Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility: NJ / NY / Other:

Sample Filtration
Done / Lab to do
Preservation
Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NY TCL-8082 (PCB)	TS	MS/MSD	Sample Specific Comments
44780 29	SB05-20-2-Q	8/2/23	12:00	Soil	DB	X	X		
30	SB07-20-2	8/2/23	12:24	Soil	DB	X	X		
31	SB07-26-12	8/2/23	12:25	Soil	DB	X	X		
32	SB06-20-2	8/2/23	13:34	Soil	DB	X	X		
33	SB06-26-12	8/2/23	13:35	Soil	DB	X	X		
34	SB04-20-2	8/2/23	13:44	Soil	DB	X	X		
35	SB04-26-12	8/2/23	13:45	Soil	DB	X	X		
36	SB03-20-2	8/2/23	13:58	Soil	DB	X	X	X	MS/MSD
37	SB03-26-12	8/2/23	13:59	Soil	DB	X	X		
38	SB01-20-2	8/2/23	14:09	Soil	DB	X	X		

Container Type: A P
Preservative: A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	8/3/23 11:00	Secure Storage	08/03/23 1100
Secure Storage	08/03/23 1130	Mr Chi Hale	08/03/23 1130
Chi Hale	08/03/23 1130		8/4/23 0130

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 5 of 6

Date Rec'd in Lab: 8/4/23

ALPHA Job #: L2344780

Client Information

Client: WSP USA
Address: 40 La Riviere Drive, Buffalo NY
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information

Project Name: Loucks Road Extension
Project Location: East Syracuse, De Witt
Project #: EE 1705007.0032
(Use Project name as Project #): ☐
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time

Standard: ☒ Due Date:
Rush (only if pre approved): ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8082 (PCB)	TS	Total Bottle	Sample Specific Comments
44780 39	SB 01-26-12	8/2/23	14:10	Soil	DB	X	X		
40	SB02-20-2	8/2/23	14:19	Soil	DB	X	X		
41	SB02-26-12	8/2/23	14:20	Soil	DB	X	X		
42	SB 36-20-2	8/2/23	15:19	Soil	DB	X	X		
43	SB 36-26-12	8/2/23	15:20	Soil	DB	X	X		
44	SB 65-20-2	8/2/23	15:54	Soil	DB	X	X		
45	SB 65-26-12	8/2/23	15:55	Soil	DB	X	X		
46	SB64-20-2	8/2/23	16:09	Soil	DB	X	X		
47	SB64-26-12	8/2/23	16:10	Soil	DB	X	X		
48	Rinsate Blank - 08042023	8/2/23	16:40	Water	DB	X			
					Container Type	A	P		
					Preservative	A	A		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	8/3/23 11:00	Jaclyn Stefanyo	08/03/23 1100
Jaclyn Stefanyo	08/03/23 1130	AAL CL Hall	08/03/23 1130
CL Hall	8/03/23 1130		8/4/23 0100

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 6 of 6

Date Rec'd in Lab: 8/4/23

ALPHA Job #: L2344780

Client Information
Client: WSP USA
Address: 40 La Riviere Drive, Buffalo NY
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@wsp.com

Project Information
Project Name: Loucks Road Extension
Project Location: East Syracuse, Dewitt
Project #: EE 17 05
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard: X
Rush (only if pre approved):
Due Date:
# of Days:

Deliverables
ASP-A / ASP-B
EQuIS (1 File) / EQuIS (4 File)
Other

Regulatory Requirement
NY TOGS / NY Part 375
AWQ Standards / NY CP-51
NY Restricted Use / Other
NY Unrestricted Use
NYC Sewer Discharge

Billing Information
Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility: NJ / NY / Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
Done
Lab to do
Preservation
Lab to do
(Please Specify below)

Total Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8082 (Pcb)	TS	MS / MSD	Sample Specific Comments
44780-49	SB63-20-2	8/3/23	8:57	Soil	DB	/	/		
50	SB63-26-12	8/3/23	8:58	Soil	DB	/	/		
51	SB63-20-2-Q	8/3/23	8:59	Soil	DB	/	/		
52	SB62-20-2	8/3/23	9:14	Soil	DB	/	/		
53	SB62-26-12	8/3/23	9:15	Soil	DB	/	/		
54	SB61-20-2	8/3/23	9:29	Soil	DB	/	/		
55	SB61-26-12	8/3/23	9:30	Soil	DB	/	/		
56	SB60-20-2	8/3/23	9:49	Soil	DB	/	/	X	MS/MSD
57	SB60-26-12	8/3/23	9:50	Soil	DB	/	/		
58	Rinsate Blank-08032023	8/3/23	10:10	Water	DB	/	N/A		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P							
Preservative	A	A							

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	8/3/23 11:00	Seanne Stanley	08/03/23 1100
Seanne Stanley	08/03/23 1130	AAL Ch Stahl	08/03/23 1130
Ch Stahl	08/03/23 1130		8/4/23 0100

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2345841
Client:	WSP 40 La Riviere Drive Suite 320 Buffalo, NY 14202
ATTN:	Drew Bullinger
Phone:	(716) 204-5880
Project Name:	LOUCKS ROAD EXTENSION
Project Number:	EE1705007.0032
Report Date:	09/06/23

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2345841
Report Date: 09/06/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2345841-01	SB 48-Z12-24	SOIL	EAST SYRACUSE,DEWITT	08/08/23 09:02	08/08/23
L2345841-02	SB 48-Z24-36	SOIL	EAST SYRACUSE,DEWITT	08/08/23 09:04	08/08/23
L2345841-03	SB 45-Z12-24	SOIL	EAST SYRACUSE,DEWITT	08/08/23 09:20	08/08/23
L2345841-04	SB 45-Z24-36	SOIL	EAST SYRACUSE,DEWITT	08/08/23 09:22	08/08/23
L2345841-05	SB 47-Z12-24	SOIL	EAST SYRACUSE,DEWITT	08/08/23 09:42	08/08/23
L2345841-06	SB 47-Z24-36	SOIL	EAST SYRACUSE,DEWITT	08/08/23 09:44	08/08/23
L2345841-07	SB 46-Z12-24	SOIL	EAST SYRACUSE,DEWITT	08/08/23 09:50	08/08/23
L2345841-08	SB 46-Z24-36	SOIL	EAST SYRACUSE,DEWITT	08/08/23 09:52	08/08/23
L2345841-09	SB 44-Z12-24	SOIL	EAST SYRACUSE,DEWITT	08/08/23 10:20	08/08/23
L2345841-10	SB 44-Z24-36	SOIL	EAST SYRACUSE,DEWITT	08/08/23 10:22	08/08/23
L2345841-11	SB 43-Z12-24	SOIL	EAST SYRACUSE,DEWITT	08/08/23 10:40	08/08/23
L2345841-12	SB 43-Z24-36	SOIL	EAST SYRACUSE,DEWITT	08/08/23 10:42	08/08/23
L2345841-13	SB 41-Z12-24	SOIL	EAST SYRACUSE,DEWITT	08/08/23 10:50	08/08/23
L2345841-14	SB 41-Z24-36	SOIL	EAST SYRACUSE,DEWITT	08/08/23 10:52	08/08/23
L2345841-15	SB 42-Z12-24	SOIL	EAST SYRACUSE,DEWITT	08/08/23 11:05	08/08/23
L2345841-16	SB 42-Z24-36	SOIL	EAST SYRACUSE,DEWITT	08/08/23 11:07	08/08/23
L2345841-17	SB 40-Z12-24	SOIL	EAST SYRACUSE,DEWITT	08/08/23 11:20	08/08/23
L2345841-18	SB 40-Z24-36	SOIL	EAST SYRACUSE,DEWITT	08/08/23 11:22	08/08/23
L2345841-19	SB 38-Z12-24	SOIL	EAST SYRACUSE,DEWITT	08/08/23 11:31	08/08/23
L2345841-20	SB 38-Z24-36	SOIL	EAST SYRACUSE,DEWITT	08/08/23 11:33	08/08/23
L2345841-21	SB 39-Z12-24	SOIL	EAST SYRACUSE,DEWITT	08/08/23 11:40	08/08/23
L2345841-22	SB 39-Z24-36	SOIL	EAST SYRACUSE,DEWITT	08/08/23 11:42	08/08/23
L2345841-23	SB 37-Z12-24	SOIL	EAST SYRACUSE,DEWITT	08/08/23 11:50	08/08/23
L2345841-24	SB 37-Z24-36	SOIL	EAST SYRACUSE,DEWITT	08/08/23 11:52	08/08/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2345841-25	SB 36-Z12-24	SOIL	EAST SYRACUSE,DEWITT	08/08/23 11:55	08/08/23
L2345841-26	SB 36-Z24-36	SOIL	EAST SYRACUSE,DEWITT	08/08/23 11:57	08/08/23
L2345841-27	SB 36-Z12-24-Q	SOIL	EAST SYRACUSE,DEWITT	08/08/23 11:59	08/08/23
L2345841-28	SB 36-Z24-36-Q	SOIL	EAST SYRACUSE,DEWITT	08/08/23 12:01	08/08/23
L2345841-29	SB 35-Z12-24	SOIL	EAST SYRACUSE,DEWITT	08/08/23 12:05	08/08/23
L2345841-30	SB 35-Z24-36	SOIL	EAST SYRACUSE,DEWITT	08/08/23 12:07	08/08/23
L2345841-31	SB 34-Z12-24	SOIL	EAST SYRACUSE,DEWITT	08/08/23 13:02	08/08/23
L2345841-32	SB 34-Z24-36	SOIL	EAST SYRACUSE,DEWITT	08/08/23 13:04	08/08/23
L2345841-33	SB 33-Z12-24	SOIL	EAST SYRACUSE,DEWITT	08/08/23 13:10	08/08/23
L2345841-34	SB 33-Z24-36	SOIL	EAST SYRACUSE,DEWITT	08/08/23 13:12	08/08/23
L2345841-35	SB 32-Z12-24	SOIL	EAST SYRACUSE,DEWITT	08/08/23 13:18	08/08/23
L2345841-36	SB 32-Z24-36	SOIL	EAST SYRACUSE,DEWITT	08/08/23 13:20	08/08/23
L2345841-37	SB 31-Z12-24	SOIL	EAST SYRACUSE,DEWITT	08/08/23 13:28	08/08/23
L2345841-38	SB 31-Z24-36	SOIL	EAST SYRACUSE,DEWITT	08/08/23 13:30	08/08/23
L2345841-39	SB 30-Z12-24	SOIL	EAST SYRACUSE,DEWITT	08/08/23 13:36	08/08/23
L2345841-40	SB 30-Z24-36	SOIL	EAST SYRACUSE,DEWITT	08/08/23 13:38	08/08/23
L2345841-41	SB 29-Z12-24	SOIL	EAST SYRACUSE,DEWITT	08/08/23 13:48	08/08/23
L2345841-42	SB 29-Z24-36	SOIL	EAST SYRACUSE,DEWITT	08/08/23 13:50	08/08/23
L2345841-43	SB 28-Z12-24	SOIL	EAST SYRACUSE,DEWITT	08/08/23 13:56	08/08/23
L2345841-44	SB 28-Z24-36	SOIL	EAST SYRACUSE,DEWITT	08/08/23 13:58	08/08/23
L2345841-45	SB 27-Z12-24	SOIL	EAST SYRACUSE,DEWITT	08/08/23 14:10	08/08/23
L2345841-46	SB 27-Z24-36	SOIL	EAST SYRACUSE,DEWITT	08/08/23 14:12	08/08/23
L2345841-47	SB 25-Z12-24	SOIL	EAST SYRACUSE,DEWITT	08/08/23 14:30	08/08/23
L2345841-48	RINSATE BLANK-08082023	WATER	EAST SYRACUSE,DEWITT	08/08/23 16:25	08/08/23

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2345841
Project Number:	EE1705007.0032	**Report Date:**	09/06/23

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2345841
Project Number:	EE1705007.0032	**Report Date:**	09/06/23

Case Narrative (continued)

Report Submission

September 06, 2023: This report includes the results of the following analyses:

L2345841-12, -22, -26, -28, -32, -34, -40, and -42: PCBs

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

Sample Receipt

L2345841-01: The collection date on the chain of custody was 08-AUG-23; however, the collection date on the container label was 07-AUG-23. At the client's request, the collection date/time is reported as 08-AUG-23 09:02.

L2345841-02: The collection date on the chain of custody was 08-AUG-23; however, the collection date on the container label was 07-AUG-23. At the client's request, the collection date/time is reported as 08-AUG-23 09:04.

PCBs

L2345841-11D, -12D, -25D, -27D, -41D, and -47D: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 09/06/23

ORGANICS

PCBS

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2345841
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-01
Client ID: SB 48-Z12-24
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 09:02
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 01:22
Analyst: MEO
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 02:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	62.0	5.50	1	A
Aroclor 1221	ND		ug/kg	62.0	6.21	1	A
Aroclor 1232	ND		ug/kg	62.0	13.1	1	A
Aroclor 1242	ND		ug/kg	62.0	8.35	1	A
Aroclor 1248	82.8		ug/kg	62.0	9.29	1	B
Aroclor 1254	ND		ug/kg	62.0	6.78	1	A
Aroclor 1260	ND		ug/kg	62.0	11.4	1	A
Aroclor 1262	ND		ug/kg	62.0	7.87	1	A
Aroclor 1268	ND		ug/kg	62.0	6.42	1	A
PCBs, Total	82.8		ug/kg	62.0	5.50	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2345841
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-03
Client ID: SB 45-Z12-24
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 09:20
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 01:29
Analyst: MEO
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 02:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	50.7	4.51	1	A
Aroclor 1221	ND		ug/kg	50.7	5.08	1	A
Aroclor 1232	ND		ug/kg	50.7	10.8	1	A
Aroclor 1242	ND		ug/kg	50.7	6.84	1	A
Aroclor 1248	40.8	J	ug/kg	50.7	7.61	1	B
Aroclor 1254	ND		ug/kg	50.7	5.55	1	A
Aroclor 1260	ND		ug/kg	50.7	9.38	1	A
Aroclor 1262	ND		ug/kg	50.7	6.44	1	A
Aroclor 1268	ND		ug/kg	50.7	5.26	1	A
PCBs, Total	40.8	J	ug/kg	50.7	4.51	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2345841
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-05
Client ID: SB 47-Z12-24
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 09:42
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 01:37
Analyst: MEO
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 02:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.7	4.95	1	A
Aroclor 1221	ND		ug/kg	55.7	5.58	1	A
Aroclor 1232	ND		ug/kg	55.7	11.8	1	A
Aroclor 1242	ND		ug/kg	55.7	7.51	1	A
Aroclor 1248	23.5	J	ug/kg	55.7	8.36	1	B
Aroclor 1254	ND		ug/kg	55.7	6.10	1	A
Aroclor 1260	ND		ug/kg	55.7	10.3	1	A
Aroclor 1262	ND		ug/kg	55.7	7.08	1	A
Aroclor 1268	ND		ug/kg	55.7	5.77	1	A
PCBs, Total	23.5	J	ug/kg	55.7	4.95	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2345841
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-07
Client ID: SB 46-Z12-24
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 09:50
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 02:40
Analyst: ER
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 04:04
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.8	4.95	1	A
Aroclor 1221	ND		ug/kg	55.8	5.59	1	A
Aroclor 1232	ND		ug/kg	55.8	11.8	1	A
Aroclor 1242	ND		ug/kg	55.8	7.52	1	A
Aroclor 1248	596		ug/kg	55.8	8.36	1	B
Aroclor 1254	ND		ug/kg	55.8	6.10	1	A
Aroclor 1260	ND		ug/kg	55.8	10.3	1	A
Aroclor 1262	ND		ug/kg	55.8	7.08	1	A
Aroclor 1268	ND		ug/kg	55.8	5.78	1	A
PCBs, Total	596		ug/kg	55.8	4.95	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2345841

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-09
Client ID: SB 44-Z12-24
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 10:20
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 01:45
Analyst: MEO
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 02:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.3	4.82	1	A
Aroclor 1221	ND		ug/kg	54.3	5.44	1	A
Aroclor 1232	ND		ug/kg	54.3	11.5	1	A
Aroclor 1242	ND		ug/kg	54.3	7.31	1	A
Aroclor 1248	101		ug/kg	54.3	8.14	1	A
Aroclor 1254	ND		ug/kg	54.3	5.94	1	A
Aroclor 1260	ND		ug/kg	54.3	10.0	1	A
Aroclor 1262	ND		ug/kg	54.3	6.89	1	A
Aroclor 1268	ND		ug/kg	54.3	5.62	1	A
PCBs, Total	101		ug/kg	54.3	4.82	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2345841

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-11 D
Client ID: SB 43-Z12-24
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 10:40
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 03:18
Analyst: ER
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 04:04
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5580	496.	100	A
Aroclor 1221	ND		ug/kg	5580	559.	100	A
Aroclor 1232	ND		ug/kg	5580	1180	100	A
Aroclor 1242	ND		ug/kg	5580	752.	100	A
Aroclor 1248	10100		ug/kg	5580	837.	100	B
Aroclor 1254	ND		ug/kg	5580	611.	100	A
Aroclor 1260	ND		ug/kg	5580	1030	100	A
Aroclor 1262	ND		ug/kg	5580	709.	100	A
Aroclor 1268	ND		ug/kg	5580	578.	100	A
PCBs, Total	10100		ug/kg	5580	496.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2345841

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-12 D
Client ID: SB 43-Z24-36
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 10:42
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/23 10:07
Analyst: ER
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/31/23 00:25
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5190	461.	100	A
Aroclor 1221	ND		ug/kg	5190	520.	100	A
Aroclor 1232	ND		ug/kg	5190	1100	100	A
Aroclor 1242	ND		ug/kg	5190	700.	100	A
Aroclor 1248	12600		ug/kg	5190	779.	100	B
Aroclor 1254	ND		ug/kg	5190	568.	100	A
Aroclor 1260	ND		ug/kg	5190	960.	100	A
Aroclor 1262	ND		ug/kg	5190	659.	100	A
Aroclor 1268	ND		ug/kg	5190	538.	100	A
PCBs, Total	12600		ug/kg	5190	461.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2345841
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-13
Client ID: SB 41-Z12-24
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 10:50
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 01:53
Analyst: MEO
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 02:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.1	4.98	1	A
Aroclor 1221	ND		ug/kg	56.1	5.62	1	A
Aroclor 1232	ND		ug/kg	56.1	11.9	1	A
Aroclor 1242	ND		ug/kg	56.1	7.56	1	A
Aroclor 1248	443		ug/kg	56.1	8.42	1	A
Aroclor 1254	ND		ug/kg	56.1	6.14	1	A
Aroclor 1260	ND		ug/kg	56.1	10.4	1	A
Aroclor 1262	ND		ug/kg	56.1	7.13	1	A
Aroclor 1268	ND		ug/kg	56.1	5.81	1	A
PCBs, Total	443		ug/kg	56.1	4.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2345841

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-15
Client ID: SB 42-Z12-24
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 11:05
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 02:01
Analyst: MEO
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 02:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.6	5.20	1	A
Aroclor 1221	ND		ug/kg	58.6	5.87	1	A
Aroclor 1232	ND		ug/kg	58.6	12.4	1	A
Aroclor 1242	ND		ug/kg	58.6	7.90	1	A
Aroclor 1248	195		ug/kg	58.6	8.79	1	B
Aroclor 1254	ND		ug/kg	58.6	6.41	1	A
Aroclor 1260	ND		ug/kg	58.6	10.8	1	A
Aroclor 1262	ND		ug/kg	58.6	7.44	1	A
Aroclor 1268	ND		ug/kg	58.6	6.07	1	A
PCBs, Total	195		ug/kg	58.6	5.20	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2345841

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-17
Client ID: SB 40-Z12-24
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 11:20
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 02:09
Analyst: MEO
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 02:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	60.1	5.34	1	A
Aroclor 1221	ND		ug/kg	60.1	6.03	1	A
Aroclor 1232	ND		ug/kg	60.1	12.8	1	A
Aroclor 1242	ND		ug/kg	60.1	8.11	1	A
Aroclor 1248	398		ug/kg	60.1	9.02	1	A
Aroclor 1254	ND		ug/kg	60.1	6.58	1	A
Aroclor 1260	ND		ug/kg	60.1	11.1	1	A
Aroclor 1262	ND		ug/kg	60.1	7.64	1	A
Aroclor 1268	ND		ug/kg	60.1	6.23	1	A
PCBs, Total	398		ug/kg	60.1	5.34	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2345841
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-19
Client ID: SB 38-Z12-24
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 11:31
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 02:18
Analyst: MEO
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 02:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	60.0	5.33	1	A
Aroclor 1221	ND		ug/kg	60.0	6.02	1	A
Aroclor 1232	ND		ug/kg	60.0	12.7	1	A
Aroclor 1242	ND		ug/kg	60.0	8.09	1	A
Aroclor 1248	34.9	J	ug/kg	60.0	9.00	1	A
Aroclor 1254	ND		ug/kg	60.0	6.57	1	A
Aroclor 1260	ND		ug/kg	60.0	11.1	1	A
Aroclor 1262	ND		ug/kg	60.0	7.62	1	A
Aroclor 1268	ND		ug/kg	60.0	6.22	1	A
PCBs, Total	34.9	J	ug/kg	60.0	5.33	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2345841

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-21 D
Client ID: SB 39-Z12-24
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 11:40
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 14:38
Analyst: ER
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 02:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	278	24.6	5	A
Aroclor 1221	ND		ug/kg	278	27.8	5	A
Aroclor 1232	ND		ug/kg	278	58.8	5	A
Aroclor 1242	ND		ug/kg	278	37.4	5	A
Aroclor 1248	1400		ug/kg	278	41.6	5	A
Aroclor 1254	ND		ug/kg	278	30.4	5	A
Aroclor 1260	ND		ug/kg	278	51.3	5	A
Aroclor 1262	ND		ug/kg	278	35.2	5	A
Aroclor 1268	ND		ug/kg	278	28.8	5	A
PCBs, Total	1400		ug/kg	278	24.6	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2345841
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-22
Client ID: SB 39-Z24-36
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 11:42
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/23 00:53
Analyst: ER
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 08/31/23 00:25
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.8	5.13	1	A
Aroclor 1221	ND		ug/kg	57.8	5.79	1	A
Aroclor 1232	ND		ug/kg	57.8	12.2	1	A
Aroclor 1242	ND		ug/kg	57.8	7.79	1	A
Aroclor 1248	11.6	J	ug/kg	57.8	8.67	1	B
Aroclor 1254	ND		ug/kg	57.8	6.32	1	A
Aroclor 1260	ND		ug/kg	57.8	10.7	1	A
Aroclor 1262	ND		ug/kg	57.8	7.34	1	A
Aroclor 1268	ND		ug/kg	57.8	5.99	1	A
PCBs, Total	11.6	J	ug/kg	57.8	5.13	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2345841

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-23
Client ID: SB 37-Z12-24
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 11:50
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 02:33
Analyst: MEO
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 02:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.0	4.88	1	A
Aroclor 1221	ND		ug/kg	55.0	5.51	1	A
Aroclor 1232	ND		ug/kg	55.0	11.6	1	A
Aroclor 1242	ND		ug/kg	55.0	7.41	1	A
Aroclor 1248	111		ug/kg	55.0	8.25	1	A
Aroclor 1254	ND		ug/kg	55.0	6.02	1	A
Aroclor 1260	ND		ug/kg	55.0	10.2	1	A
Aroclor 1262	ND		ug/kg	55.0	6.98	1	A
Aroclor 1268	ND		ug/kg	55.0	5.70	1	A
PCBs, Total	111		ug/kg	55.0	4.88	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2345841

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-25 D
Client ID: SB 36-Z12-24
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 11:55
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 14:54
Analyst: ER
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 02:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1150	102.	20	A
Aroclor 1221	ND		ug/kg	1150	115.	20	A
Aroclor 1232	ND		ug/kg	1150	243.	20	A
Aroclor 1242	ND		ug/kg	1150	154.	20	A
Aroclor 1248	5740		ug/kg	1150	172.	20	A
Aroclor 1254	ND		ug/kg	1150	125.	20	A
Aroclor 1260	ND		ug/kg	1150	212.	20	A
Aroclor 1262	ND		ug/kg	1150	146.	20	A
Aroclor 1268	ND		ug/kg	1150	119.	20	A
PCBs, Total	5740		ug/kg	1150	102.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2345841
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-26
Client ID: SB 36-Z24-36
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 11:57
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/03/23 12:09
Analyst: MEO
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 09/02/23 17:10
Cleanup Method: EPA 3665A
Cleanup Date: 09/02/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.2	4.99	1	A
Aroclor 1221	ND		ug/kg	56.2	5.64	1	A
Aroclor 1232	ND		ug/kg	56.2	11.9	1	A
Aroclor 1242	ND		ug/kg	56.2	7.58	1	A
Aroclor 1248	165		ug/kg	56.2	8.44	1	B
Aroclor 1254	ND		ug/kg	56.2	6.15	1	A
Aroclor 1260	ND		ug/kg	56.2	10.4	1	B
Aroclor 1262	ND		ug/kg	56.2	7.14	1	A
Aroclor 1268	ND		ug/kg	56.2	5.83	1	A
PCBs, Total	165		ug/kg	56.2	4.99	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2345841

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-27 D
Client ID: SB 36-Z12-24-Q
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 11:59
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 21:16
Analyst: ER
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 02:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1140	102.	20	A
Aroclor 1221	ND		ug/kg	1140	114.	20	A
Aroclor 1232	ND		ug/kg	1140	242.	20	A
Aroclor 1242	ND		ug/kg	1140	154.	20	A
Aroclor 1248	5660		ug/kg	1140	172.	20	A
Aroclor 1254	ND		ug/kg	1140	125.	20	A
Aroclor 1260	ND		ug/kg	1140	211.	20	A
Aroclor 1262	ND		ug/kg	1140	145.	20	A
Aroclor 1268	ND		ug/kg	1140	118.	20	A
PCBs, Total	5660		ug/kg	1140	102.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2345841
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-28
Client ID: SB 36-Z24-36-Q
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 12:01
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/23 01:09
Analyst: ER
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/31/23 00:25
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.1	5.16	1	A
Aroclor 1221	ND		ug/kg	58.1	5.82	1	A
Aroclor 1232	ND		ug/kg	58.1	12.3	1	A
Aroclor 1242	ND		ug/kg	58.1	7.84	1	A
Aroclor 1248	27.2	J	ug/kg	58.1	8.72	1	B
Aroclor 1254	ND		ug/kg	58.1	6.36	1	A
Aroclor 1260	ND		ug/kg	58.1	10.7	1	A
Aroclor 1262	ND		ug/kg	58.1	7.38	1	A
Aroclor 1268	ND		ug/kg	58.1	6.02	1	A
PCBs, Total	27.2	J	ug/kg	58.1	5.16	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	45		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2345841

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-29
Client ID: SB 35-Z12-24
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 12:05
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 02:57
Analyst: MEO
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 02:23
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.9	5.14	1	A
Aroclor 1221	ND		ug/kg	57.9	5.80	1	A
Aroclor 1232	ND		ug/kg	57.9	12.3	1	A
Aroclor 1242	ND		ug/kg	57.9	7.80	1	A
Aroclor 1248	428		ug/kg	57.9	8.68	1	B
Aroclor 1254	ND		ug/kg	57.9	6.33	1	A
Aroclor 1260	ND		ug/kg	57.9	10.7	1	A
Aroclor 1262	ND		ug/kg	57.9	7.35	1	A
Aroclor 1268	ND		ug/kg	57.9	6.00	1	A
PCBs, Total	428		ug/kg	57.9	5.14	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2345841

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-31 D
Client ID: SB 34-Z12-24
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 13:02
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 14:46
Analyst: ER
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 02:23
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	278	24.7	5	A
Aroclor 1221	ND		ug/kg	278	27.9	5	A
Aroclor 1232	ND		ug/kg	278	59.0	5	A
Aroclor 1242	ND		ug/kg	278	37.5	5	A
Aroclor 1248	2750		ug/kg	278	41.7	5	A
Aroclor 1254	ND		ug/kg	278	30.4	5	A
Aroclor 1260	ND		ug/kg	278	51.4	5	A
Aroclor 1262	ND		ug/kg	278	35.3	5	A
Aroclor 1268	ND		ug/kg	278	28.8	5	A
PCBs, Total	2750		ug/kg	278	24.7	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2345841

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-32
Client ID: SB 34-Z24-36
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 13:04
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/23 01:17
Analyst: ER
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/31/23 00:25
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.2	4.90	1	A
Aroclor 1221	ND		ug/kg	55.2	5.53	1	A
Aroclor 1232	ND		ug/kg	55.2	11.7	1	A
Aroclor 1242	ND		ug/kg	55.2	7.44	1	A
Aroclor 1248	10.0	J	ug/kg	55.2	8.27	1	B
Aroclor 1254	ND		ug/kg	55.2	6.03	1	A
Aroclor 1260	ND		ug/kg	55.2	10.2	1	A
Aroclor 1262	ND		ug/kg	55.2	7.00	1	A
Aroclor 1268	ND		ug/kg	55.2	5.71	1	A
PCBs, Total	10.0	J	ug/kg	55.2	4.90	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	36		30-150	A
Decachlorobiphenyl	34		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		30-150	B
Decachlorobiphenyl	33		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2345841

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-33 D
Client ID: SB 33-Z12-24
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 13:10
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 02:53
Analyst: ER
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 04:04
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	279	24.8	5	A
Aroclor 1221	ND		ug/kg	279	27.9	5	A
Aroclor 1232	ND		ug/kg	279	59.1	5	A
Aroclor 1242	ND		ug/kg	279	37.6	5	A
Aroclor 1248	1080		ug/kg	279	41.8	5	B
Aroclor 1254	ND		ug/kg	279	30.5	5	A
Aroclor 1260	ND		ug/kg	279	51.5	5	A
Aroclor 1262	ND		ug/kg	279	35.4	5	A
Aroclor 1268	ND		ug/kg	279	28.9	5	A
PCBs, Total	1080		ug/kg	279	24.8	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2345841

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-34
Client ID: SB 33-Z24-36
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 13:12
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/23 01:25
Analyst: ER
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/31/23 00:25
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.6	5.21	1	A
Aroclor 1221	ND		ug/kg	58.6	5.88	1	A
Aroclor 1232	ND		ug/kg	58.6	12.4	1	A
Aroclor 1242	ND		ug/kg	58.6	7.91	1	A
Aroclor 1248	ND		ug/kg	58.6	8.80	1	B
Aroclor 1254	ND		ug/kg	58.6	6.42	1	A
Aroclor 1260	ND		ug/kg	58.6	10.8	1	A
Aroclor 1262	ND		ug/kg	58.6	7.45	1	A
Aroclor 1268	ND		ug/kg	58.6	6.08	1	A
PCBs, Total	ND		ug/kg	58.6	5.21	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2345841

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-35
Client ID: SB 32-Z12-24
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 13:18
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 03:13
Analyst: MEO
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 02:23
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.0	5.15	1	A
Aroclor 1221	ND		ug/kg	58.0	5.81	1	A
Aroclor 1232	ND		ug/kg	58.0	12.3	1	A
Aroclor 1242	ND		ug/kg	58.0	7.82	1	A
Aroclor 1248	110		ug/kg	58.0	8.70	1	A
Aroclor 1254	ND		ug/kg	58.0	6.34	1	A
Aroclor 1260	ND		ug/kg	58.0	10.7	1	A
Aroclor 1262	ND		ug/kg	58.0	7.36	1	A
Aroclor 1268	ND		ug/kg	58.0	6.01	1	A
PCBs, Total	110		ug/kg	58.0	5.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2345841

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-37
Client ID: SB 31-Z12-24
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 13:28
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 03:21
Analyst: MEO
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 02:23
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.3	5.00	1	A
Aroclor 1221	ND		ug/kg	56.3	5.64	1	A
Aroclor 1232	ND		ug/kg	56.3	11.9	1	A
Aroclor 1242	ND		ug/kg	56.3	7.59	1	A
Aroclor 1248	619		ug/kg	56.3	8.44	1	A
Aroclor 1254	ND		ug/kg	56.3	6.16	1	A
Aroclor 1260	ND		ug/kg	56.3	10.4	1	A
Aroclor 1262	ND		ug/kg	56.3	7.15	1	A
Aroclor 1268	ND		ug/kg	56.3	5.83	1	A
PCBs, Total	619		ug/kg	56.3	5.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2345841

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-39 D
Client ID: SB 30-Z12-24
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 13:36
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 03:06
Analyst: ER
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 04:04
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	285	25.3	5	A
Aroclor 1221	ND		ug/kg	285	28.6	5	A
Aroclor 1232	ND		ug/kg	285	60.5	5	A
Aroclor 1242	ND		ug/kg	285	38.5	5	A
Aroclor 1248	2130		ug/kg	285	42.8	5	B
Aroclor 1254	ND		ug/kg	285	31.2	5	A
Aroclor 1260	ND		ug/kg	285	52.7	5	A
Aroclor 1262	ND		ug/kg	285	36.2	5	A
Aroclor 1268	ND		ug/kg	285	29.6	5	A
PCBs, Total	2130		ug/kg	285	25.3	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2345841

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-40
Client ID: SB 30-Z24-36
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 13:38
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/23 01:33
Analyst: ER
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 08/31/23 00:25
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.9	4.78	1	A
Aroclor 1221	ND		ug/kg	53.9	5.40	1	A
Aroclor 1232	ND		ug/kg	53.9	11.4	1	A
Aroclor 1242	ND		ug/kg	53.9	7.26	1	A
Aroclor 1248	10.0	J	ug/kg	53.9	8.08	1	B
Aroclor 1254	ND		ug/kg	53.9	5.89	1	A
Aroclor 1260	ND		ug/kg	53.9	9.95	1	A
Aroclor 1262	ND		ug/kg	53.9	6.84	1	A
Aroclor 1268	ND		ug/kg	53.9	5.58	1	A
PCBs, Total	10.0	J	ug/kg	53.9	4.78	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2345841
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-41 D
Client ID: SB 29-Z12-24
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 13:48
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 21:24
Analyst: ER
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 02:23
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1210	107.	20	A
Aroclor 1221	ND		ug/kg	1210	121.	20	A
Aroclor 1232	ND		ug/kg	1210	256.	20	A
Aroclor 1242	ND		ug/kg	1210	163.	20	A
Aroclor 1248	8120		ug/kg	1210	181.	20	A
Aroclor 1254	ND		ug/kg	1210	132.	20	A
Aroclor 1260	ND		ug/kg	1210	224.	20	A
Aroclor 1262	ND		ug/kg	1210	154.	20	A
Aroclor 1268	ND		ug/kg	1210	125.	20	A
PCBs, Total	8120		ug/kg	1210	107.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2345841
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-42
Client ID: SB 29-Z24-36
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 13:50
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/23 10:17
Analyst: ER
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/31/23 00:25
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	59.0	5.24	1	A
Aroclor 1221	ND		ug/kg	59.0	5.92	1	A
Aroclor 1232	ND		ug/kg	59.0	12.5	1	A
Aroclor 1242	ND		ug/kg	59.0	7.96	1	A
Aroclor 1248	47.5	J	ug/kg	59.0	8.86	1	B
Aroclor 1254	ND		ug/kg	59.0	6.46	1	A
Aroclor 1260	ND		ug/kg	59.0	10.9	1	A
Aroclor 1262	ND		ug/kg	59.0	7.50	1	A
Aroclor 1268	ND		ug/kg	59.0	6.12	1	A
PCBs, Total	47.5	J	ug/kg	59.0	5.24	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	41		30-150	A
Decachlorobiphenyl	31		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	33		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2345841

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-43
Client ID: SB 28-Z12-24
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 13:56
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 04:10
Analyst: MEO
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 02:23
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.6	4.94	1	A
Aroclor 1221	ND		ug/kg	55.6	5.57	1	A
Aroclor 1232	ND		ug/kg	55.6	11.8	1	A
Aroclor 1242	ND		ug/kg	55.6	7.49	1	A
Aroclor 1248	388		ug/kg	55.6	8.34	1	B
Aroclor 1254	ND		ug/kg	55.6	6.08	1	A
Aroclor 1260	ND		ug/kg	55.6	10.3	1	A
Aroclor 1262	ND		ug/kg	55.6	7.06	1	A
Aroclor 1268	ND		ug/kg	55.6	5.76	1	A
PCBs, Total	388		ug/kg	55.6	4.94	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2345841

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-45
Client ID: SB 27-Z12-24
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 14:10
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 04:18
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 02:23
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.7	4.77	1	A
Aroclor 1221	ND		ug/kg	53.7	5.38	1	A
Aroclor 1232	ND		ug/kg	53.7	11.4	1	A
Aroclor 1242	ND		ug/kg	53.7	7.24	1	A
Aroclor 1248	335		ug/kg	53.7	8.05	1	A
Aroclor 1254	ND		ug/kg	53.7	5.87	1	A
Aroclor 1260	ND		ug/kg	53.7	9.92	1	A
Aroclor 1262	ND		ug/kg	53.7	6.82	1	A
Aroclor 1268	ND		ug/kg	53.7	5.56	1	A
PCBs, Total	335		ug/kg	53.7	4.77	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-47 D
Client ID: SB 25-Z12-24
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 14:30
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/17/23 23:24
Analyst: MEO
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/16/23 02:23
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1050	93.0	20	A
Aroclor 1221	ND		ug/kg	1050	105.	20	A
Aroclor 1232	ND		ug/kg	1050	222.	20	A
Aroclor 1242	ND		ug/kg	1050	141.	20	A
Aroclor 1248	5970		ug/kg	1050	157.	20	A
Aroclor 1254	ND		ug/kg	1050	114.	20	A
Aroclor 1260	ND		ug/kg	1050	194.	20	A
Aroclor 1262	ND		ug/kg	1050	133.	20	A
Aroclor 1268	ND		ug/kg	1050	108.	20	A
PCBs, Total	5970		ug/kg	1050	93.0	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2345841
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-48
Client ID: RINSATE BLANK-08082023
Sample Location: EAST SYRACUSE,DEWITT

Date Collected: 08/08/23 16:25
Date Received: 08/08/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/20/23 17:37
Analyst: ER

Extraction Method: EPA 3510C
Extraction Date: 08/17/23 14:27
Cleanup Method: EPA 3665A
Cleanup Date: 08/18/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/18/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	0.074		ug/l	0.071	0.061	1	B
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	0.074		ug/l	0.071	0.061	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/16/23 02:43
Analyst: ER

Extraction Method: EPA 3546
Extraction Date: 08/15/23 15:28
Cleanup Method: EPA 3665A
Cleanup Date: 08/15/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 07,11,33,39 Batch: WG1816188-1						
Aroclor 1016	ND		ug/kg	49.4	4.39	A
Aroclor 1221	ND		ug/kg	49.4	4.95	A
Aroclor 1232	ND		ug/kg	49.4	10.5	A
Aroclor 1242	ND		ug/kg	49.4	6.66	A
Aroclor 1248	ND		ug/kg	49.4	7.41	A
Aroclor 1254	ND		ug/kg	49.4	5.40	A
Aroclor 1260	ND		ug/kg	49.4	9.13	A
Aroclor 1262	ND		ug/kg	49.4	6.27	A
Aroclor 1268	ND		ug/kg	49.4	5.12	A
PCBs, Total	ND		ug/kg	49.4	4.39	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2345841

Project Number: EE1705007.0032 **Report Date:** 09/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/17/23 03:30
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 08/16/23 02:22
Cleanup Method: EPA 3665A
Cleanup Date: 08/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03,05,09,13,15,17,19,21,23,25,27,29,31,35,37,41,43,45,47 Batch: WG1816327-1						
Aroclor 1016	ND		ug/kg	45.7	4.06	A
Aroclor 1221	ND		ug/kg	45.7	4.58	A
Aroclor 1232	ND		ug/kg	45.7	9.69	A
Aroclor 1242	ND		ug/kg	45.7	6.16	A
Aroclor 1248	ND		ug/kg	45.7	6.86	A
Aroclor 1254	ND		ug/kg	45.7	5.00	A
Aroclor 1260	ND		ug/kg	45.7	8.45	A
Aroclor 1262	ND		ug/kg	45.7	5.80	A
Aroclor 1268	ND		ug/kg	45.7	4.73	A
PCBs, Total	ND		ug/kg	45.7	4.06	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/20/23 17:11
Analyst: ER

Extraction Method: EPA 3510C
Extraction Date: 08/17/23 14:27
Cleanup Method: EPA 3665A
Cleanup Date: 08/18/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/18/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 48 Batch: WG1817116-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2345841

Project Number: EE1705007.0032 **Report Date:** 09/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/01/23 08:24
Analyst: ER

Extraction Method: EPA 3546
Extraction Date: 08/31/23 00:25
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 12,22,28,32,34,40,42 Batch: WG1822222-1						
Aroclor 1016	ND		ug/kg	47.2	4.19	A
Aroclor 1221	ND		ug/kg	47.2	4.73	A
Aroclor 1232	ND		ug/kg	47.2	10.0	A
Aroclor 1242	ND		ug/kg	47.2	6.36	A
Aroclor 1248	ND		ug/kg	47.2	7.08	A
Aroclor 1254	ND		ug/kg	47.2	5.16	A
Aroclor 1260	ND		ug/kg	47.2	8.72	A
Aroclor 1262	ND		ug/kg	47.2	5.99	A
Aroclor 1268	ND		ug/kg	47.2	4.89	A
PCBs, Total	ND		ug/kg	47.2	4.19	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/03/23 11:21
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 09/02/23 08:18
Cleanup Method: EPA 3665A
Cleanup Date: 09/02/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 26 Batch: WG1823185-1						
Aroclor 1016	ND		ug/kg	49.4	4.39	A
Aroclor 1221	ND		ug/kg	49.4	4.96	A
Aroclor 1232	ND		ug/kg	49.4	10.5	A
Aroclor 1242	ND		ug/kg	49.4	6.67	A
Aroclor 1248	ND		ug/kg	49.4	7.42	A
Aroclor 1254	ND		ug/kg	49.4	5.41	A
Aroclor 1260	ND		ug/kg	49.4	9.14	A
Aroclor 1262	ND		ug/kg	49.4	6.28	A
Aroclor 1268	ND		ug/kg	49.4	5.12	A
PCBs, Total	ND		ug/kg	49.4	4.39	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	71		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2345841

Report Date: 09/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 07,11,33,39 Batch: WG1816188-2 WG1816188-3									
Aroclor 1016	67		71		40-140	6		50	A
Aroclor 1260	67		71		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		74		30-150	A
Decachlorobiphenyl	79		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		75		30-150	B
Decachlorobiphenyl	77		83		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2345841

Report Date: 09/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03,05,09,13,15,17,19,21,23,25,27,29,31,35,37,41,43,45,47 Batch: WG1816327-2 WG1816327-3									
Aroclor 1016	81		79		40-140	3		50	A
Aroclor 1260	78		76		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		77		30-150	A
Decachlorobiphenyl	79		74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		78		30-150	B
Decachlorobiphenyl	82		76		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2345841
Report Date: 09/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 48 Batch: WG1817116-2 WG1817116-3									
Aroclor 1016	78		81		40-140	3		50	A
Aroclor 1260	72		71		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		86		30-150	A
Decachlorobiphenyl	83		83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		68		30-150	B
Decachlorobiphenyl	81		85		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2345841

Report Date: 09/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 12,22,28,32,34,40,42 Batch: WG1822222-2 WG1822222-3									
Aroclor 1016	69		71		40-140	3		50	A
Aroclor 1260	70		67		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		73		30-150	A
Decachlorobiphenyl	71		72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		71		30-150	B
Decachlorobiphenyl	75		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2345841
Report Date: 09/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 26 Batch: WG1823185-2 WG1823185-3									
Aroclor 1016	83		86		40-140	4		50	A
Aroclor 1260	82		85		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		84		30-150	A
Decachlorobiphenyl	80		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		87		30-150	B
Decachlorobiphenyl	84		82		30-150	B

INORGANICS
&
MISCELLANEOUS

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-01
Client ID: SB 48-Z12-24
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 09:02
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.6		%	0.100	NA	1	-	08/10/23 11:24	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-03
Client ID: SB 45-Z12-24
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 09:20
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.2		%	0.100	NA	1	-	08/10/23 11:24	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-05
Client ID: SB 47-Z12-24
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 09:42
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.9		%	0.100	NA	1	-	08/10/23 11:24	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-07
Client ID: SB 46-Z12-24
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 09:50
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	08/10/23 11:24	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-09
Client ID: SB 44-Z12-24
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 10:20
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.0		%	0.100	NA	1	-	08/10/23 11:24	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-11
Client ID: SB 43-Z12-24
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 10:40
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.9		%	0.100	NA	1	-	08/10/23 11:24	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-12
Client ID: SB 43-Z24-36
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 10:42
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.0		%	0.100	NA	1	-	08/31/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-13
Client ID: SB 41-Z12-24
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 10:50
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.7		%	0.100	NA	1	-	08/10/23 11:24	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-15
Client ID: SB 42-Z12-24
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 11:05
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.0		%	0.100	NA	1	-	08/10/23 11:24	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-17
Client ID: SB 40-Z12-24
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 11:20
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.4		%	0.100	NA	1	-	08/10/23 11:24	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-19
Client ID: SB 38-Z12-24
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 11:31
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.3		%	0.100	NA	1	-	08/10/23 11:24	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-21
Client ID: SB 39-Z12-24
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 11:40
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.1		%	0.100	NA	1	-	08/10/23 11:24	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-22
Client ID: SB 39-Z24-36
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 11:42
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.5		%	0.100	NA	1	-	08/31/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-23
Client ID: SB 37-Z12-24
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 11:50
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	08/10/23 11:24	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-25
Client ID: SB 36-Z12-24
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 11:55
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.5		%	0.100	NA	1	-	08/10/23 11:24	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-26
Client ID: SB 36-Z24-36
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 11:57
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.7		%	0.100	NA	1	-	08/31/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-27
Client ID: SB 36-Z12-24-Q
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 11:59
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.4		%	0.100	NA	1	-	08/10/23 11:24	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-28
Client ID: SB 36-Z24-36-Q
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 12:01
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.9		%	0.100	NA	1	-	08/31/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-29
Client ID: SB 35-Z12-24
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 12:05
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.5		%	0.100	NA	1	-	08/10/23 11:24	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-31
Client ID: SB 34-Z12-24
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 13:02
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.2		%	0.100	NA	1	-	08/10/23 11:24	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-32
Client ID: SB 34-Z24-36
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 13:04
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.4		%	0.100	NA	1	-	08/31/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-33
Client ID: SB 33-Z12-24
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 13:10
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.2		%	0.100	NA	1	-	08/10/23 11:24	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-34
Client ID: SB 33-Z24-36
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 13:12
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.4		%	0.100	NA	1	-	08/31/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-35
Client ID: SB 32-Z12-24
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 13:18
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.7		%	0.100	NA	1	-	08/10/23 11:24	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-37
Client ID: SB 31-Z12-24
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 13:28
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.4		%	0.100	NA	1	-	08/10/23 11:24	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-39
Client ID: SB 30-Z12-24
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 13:36
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	08/10/23 11:24	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-40
Client ID: SB 30-Z24-36
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 13:38
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.4		%	0.100	NA	1	-	08/31/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-41
Client ID: SB 29-Z12-24
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 13:48
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.4		%	0.100	NA	1	-	08/10/23 11:37	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-42
Client ID: SB 29-Z24-36
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 13:50
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.6		%	0.100	NA	1	-	08/31/23 12:46	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-43
Client ID: SB 28-Z12-24
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 13:56
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.0		%	0.100	NA	1	-	08/10/23 11:37	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-45
Client ID: SB 27-Z12-24
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 14:10
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.4		%	0.100	NA	1	-	08/10/23 11:37	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2345841
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2345841-47
Client ID: SB 25-Z12-24
Sample Location: EAST SYRACUSE,DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/08/23 14:30
Date Received: 08/08/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.9		%	0.100	NA	1	-	08/10/23 11:37	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2345841

Report Date: 09/06/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,15,17,19,21,23,25,27,29,31,33,35,37,39 QC Batch ID: WG1814204-1 QC Sample: L2345841-01 Client ID: SB 48-Z12-24						
Solids, Total	77.6	69.0	%	12		20
General Chemistry - Westborough Lab Associated sample(s): 41,43,45,47 QC Batch ID: WG1814206-1 QC Sample: L2346081-01 Client ID: DUP Sample						
Solids, Total	92.0	91.8	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 12,22,26,28,32,34,40,42 QC Batch ID: WG1822380-1 QC Sample: L2345841-12 Client ID: SB 43-Z24-36						
Solids, Total	89.0	86.3	%	3		20

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2345841
Report Date: 09/06/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2345841-01A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-01B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-02A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		HOLD-WETCHEM()
L2345841-02B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		HOLD-8082(14)
L2345841-03A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-03B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-04A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		HOLD-WETCHEM()
L2345841-04B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		HOLD-8082(14)
L2345841-05A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-05B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-06A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		HOLD-WETCHEM()
L2345841-06B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		HOLD-8082(14)
L2345841-07A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-07B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-08A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		HOLD-WETCHEM()
L2345841-08B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		HOLD-8082(14)
L2345841-09A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-09B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-10A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		HOLD-WETCHEM()
L2345841-10B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		HOLD-8082(14)
L2345841-11A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-11B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-12A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2345841
Report Date: 09/06/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2345841-12B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-13A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-13B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-14A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		HOLD-WETCHEM()
L2345841-14B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		HOLD-8082(14)
L2345841-15A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-15B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-16A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		HOLD-WETCHEM()
L2345841-16B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		HOLD-8082(14)
L2345841-17A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-17B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-18A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		HOLD-WETCHEM()
L2345841-18B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		HOLD-8082(14)
L2345841-19A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-19B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-20A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		HOLD-WETCHEM()
L2345841-20B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		HOLD-8082(14)
L2345841-21A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-21B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-22A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-22B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-23A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-23B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-24A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		HOLD-WETCHEM()
L2345841-24B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		HOLD-8082(14)
L2345841-25A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-25B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-26A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2345841
Report Date: 09/06/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2345841-26B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-27A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-27B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-28A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-28B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-29A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-29B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-30A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		HOLD-WETCHEM()
L2345841-30B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		HOLD-8082(14)
L2345841-31A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-31B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-32A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-32B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-33A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-33B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-34A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-34B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-35A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-35B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-36A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		HOLD-WETCHEM()
L2345841-36B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		HOLD-8082(14)
L2345841-37A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-37B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-38A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		HOLD-WETCHEM()
L2345841-38B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		HOLD-8082(14)
L2345841-39A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-39B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-40A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2345841
Report Date: 09/06/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2345841-40B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-41A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-41B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-42A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-42B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-43A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-43B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-44A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		HOLD-WETCHEM()
L2345841-44B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		HOLD-8082(14)
L2345841-45A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-45B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-46A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		HOLD-WETCHEM()
L2345841-46B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		HOLD-8082(14)
L2345841-47A	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2345841-47B	Glass 60mL/2oz unpreserved	A	NA		2.7	Y	Absent		NYTCL-8082(365)
L2345841-48A	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2345841-48B	Amber 120ml unpreserved	A	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)

*Values in parentheses indicate holding time in days

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2345841
Project Number:	EE1705007.0032	**Report Date:**	09/06/23

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2345841
Project Number:	EE1705007.0032	**Report Date:**	09/06/23

Footnotes

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

Terms

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

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

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

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2345841
Project Number:	EE1705007.0032	**Report Date:**	09/06/23

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2345841
Project Number:	EE1705007.0032	**Report Date:**	09/06/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 5

Date Rec'd in Lab: 8/9/23

ALPHA Job #: L1315841

Client Information
Client: WSP USA
Address: 40 La Riviere Drive, Buffalo NY
Phone: 720 737 7033
Fax:
Email: Drew.Bullinger@wsp.com

Project Information
Project Name: Loucks Road Extension
Project Location: East Syracuse, Dewitt
Project #: EE 1705007.0032
(Use Project name as Project #): ☐
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard: ☒ Due Date:
Rush (only if pre approved): ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8082 (PCB)	TS	Total Bottles	Sample Specific Comments
41584 1- 01	SB 48-212-24	8/8/23	9:02	Soil	DB	1	1		
02	SB 48-224-36	8/8/23	9:04	Soil	DB	1	1		HOLD
03	SB 45-212-24	8/8/23	9:20	Soil	DB	1	1		
04	SB 45-224-36	8/8/23	9:22	Soil	DB	1	1		HOLD
05	SB 47-212-24	8/8/23	9:42	Soil	DB	1	1		
06	SB 47-224-36	8/8/23	9:44	Soil	DB	1	1		HOLD
07	SB 46-212-24	8/8/23	9:50	Soil	DB	1	1		
08	SB 46-224-36	8/8/23	9:52	Soil	DB	1	1		HOLD
09	SB 44-212-24	8/8/23	10:20	Soil	DB	1	1		
10	SB 44-224-36	8/8/23	10:22	Soil	DB	1	1		HOLD

Container Type	A	P							
Preservative	A	A							

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	8/8/23 1700	AAL Secure Storage	8/8/23
AAL Secure Storage	8/8/23 1836	AAL	8/8/23 1836
			8/9/23 0110

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 15

Date Rec'd in Lab: 8/9/23

ALPHA Job #: L2345841

Client Information
Client: WSP USA
Address: 40 La Riviera Drive, Buffalo NY
Phone: 720 - 737 - 7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information
Project Name: Loucks Road Extension
Project Location: East Syracuse, De Witt
Project #: EE170 5007.0032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard: X
Rush (only if pre approved):
Due Date:
# of Days:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
- ASP-A
- ASP-B
- EQuIS (1 File)
- EQuIS (4 File)
- Other

Regulatory Requirement
- NY TOGS
- NY Part 375
- AWQ Standards
- NY CP-51
- NY Restricted Use
- Other
- NY Unrestricted Use
- NYC Sewer Discharge

Billing Information
- Same as Client Info

PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.

Disposal Facility:
- NJ
- NY
- Other:

ANALYSIS

Sample Filtration
- Done
- Lab to do

Preservation
- Lab to do

(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NY+CL-8082 (PCB)	TS	Total Bottle	Sample Specific Comments
45341-11	SB 43-212-24	8/8/23	10:40	Soil	DB	✓	✓		
12	SB 43-224-36	8/8/23	10:42	Soil	DB	✓	✓		HOLD
13	SB41-212-24	8/8/23	10:50	Soil	DB	✓	✓		
14	SB41-224-36	8/8/23	10:52	Soil	DB	✓	✓		HOLD
15	SB42-212-24	8/8/23	11:05	Soil	DB	✓	✓		
16	SB 42-224-36	8/8/23	11:07	Soil	DB	✓	✓		HOLD
17	SB 40-212-24	8/8/23	11:20	Soil	DB	✓	✓		
18	SB 40-224-36	8/8/23	11:22	Soil	DB	✓	✓		HOLD
19	SB 38-212-24	8/8/23	11:31	Soil	DB	✓	✓		
20	SB 38-224-36	8/8/23	11:33	Soil	DB	✓	✓		HOLD

Container Type	A	P							
Preservative	A	A							

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
DDrew JBullinger	8/8/23 17:00	AHL Secure Storage	8/8/23 1700
AHL Secure Storage	8/9/23 1836	AHL	8/9/23 1836
			8/9/23 0110

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of 5

Date Rec'd in Lab: 8/9/23

ALPHA Job #: L2345841

Client Information

Client: WSP USA
Address: 40 La Riviera Drive, Buffalo NY
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@wsp.com

Project Information

Project Name: Loucks Road Extension
Project Location: East Syracuse DeWitt
Project #: EE 170 5007.0032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time

Standard: ☒ Due Date:
Rush (only if pre approved): ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 - Mag Aro + TCN	TS							Sample Specific Comments
45841-21	SB39-2 12-24	8/8/23	11:40	Soil	DB	✓	✓							
22	SB39-2 24-36	8/8/23	11:42	Soil	DB	✓	✓							HOLD
23	SB37-2 12-24	8/8/23	11:50	Soil	DB	✓	✓							
24	SB37-2 24-36	8/8/23	11:52	Soil	DB	✓	✓							HOLD
25	SB36-2 12-24	8/8/23	11:55	Soil	DB	✓	✓							
26	SB36-2 24-36	8/8/23	11:57	Soil	DB	✓	✓							HOLD
27	SB36-2 12-24-D	8/8/23	11:59	Soil	DB	✓	✓							
28	SB36-2 24-36-D	8/8/23	12:01	Soil	DB	✓	✓							HOLD
29	SB35-2 12-24	8/8/23	12:05	Soil	DB	✓	✓							
30	SB35-2 24-36	8/8/23	12:07	Soil	DB	✓	✓							HOLD
	Container Type					A	P							
	Preservative					A	A							

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	8/8/23 17:00	AAL Secure Storage	8/8/23 1700
AAL Secure Storage	8/8/23 1836	[signature]	8/8/23 1836
			8/9/23 0110

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 4 of 5

Date Rec'd in Lab: 8/9/23

ALPHA Job #: L2345841

Client Information
Client: WSP USA
Address: 40 La Riviere Drive, Buffalo NY
Phone: 720 - 737 - 7033
Fax:
Email: Drew.Bullinger@wsp.com

Project Information
Project Name: Loucks Road Extension
Project Location: East Syracuse, DeWitt
Project #: EE 170 5007.0032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8082 (Pcb)	TS	Sample Specific Comments
45841-31	SB 34-2 12-24	8/8/23	13:02	Soil	DB	1	1	
32	SB 34-2 24-36	8/8/23	13:04	Soil	DB	1	1	HOLD
33	SB 33-2 12-24	8/8/23	13:10	Soil	DB	1	1	
34	SB 33-2 24-36	8/8/23	13:12	Soil	DB	1	1	HOLD
35	SB 32-2 12-24	8/8/23	13:18	Soil	DB	1	1	
36	SB 32-2 24-36	8/8/23	13:20	Soil	DB	1	1	HOLD
37	SB 31-2 12-24	8/8/23	13:28	Soil	DB	1	1	
38	SB 31-2 24-36	8/8/23	13:30	Soil	DB	1	1	HOLD
39	SB 30-2 12-24	8/8/23	13:36	Soil	DB	1	1	
40	SB 30-2 24-36	8/8/23	13:38	Soil	DB	1	1	HOLD

Container Type: A P
Preservative: A A

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; K/E = Zn Ac/NaOH; O = Other

Container Code: P = Plastic; A = Amber Glass; V = Vial; G = Glass; B = Bacteria Cup; C = Cube; O = Other; E = Encore; D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	8/8/23 17:00	AHL Secure Storage	8/8/23 1700
AHL Secure Storage	8/9/23 1836	AHL	8/9/23 1836
			8/9/23 0110

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 5 of 5

Date Rec'd in Lab: 8/9/23

ALPHA Job #: L2345841

Client Information
Client: WSP USA
Address: 40 La Riviera DR, Buffalo NY
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@wsp.com

Project Information
Project Name: Loucks Road extension
Project Location: East Syracuse, Dewitt
Project #: EE 170 5007.0834
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8081(REQ)	TS	Sample Specific Comments
45341-41	SB29-Z12-24	8/8/23	13:48	soil	DB	1	1	
42	SB29-Z24-36	8/8/23	13:50	soil	DB	1	1	HOLD
43	SB28-Z12-24	8/8/23	13:56	soil	DB	1	1	
44	SB28-Z24-36	8/8/23	13:58	soil	DB	1	1	HOLD
45	SB27-Z12-24	8/8/23	14:10	soil	DB	1	1	
46	SB27-Z24-36	8/8/23	14:12	soil	DB	1	1	HOLD
47	SB25-Z12-24	8/8/23	14:30	soil	DB	1	1	
	~~BB~~	~~8/8/23~~		~~soil~~	~~DB~~	1	1	
48	FinSate Blank-08082023	8/8/23	16:25	water	DB	1		

Container Type: A P
Preservative: A A

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; K/E = Zn Ac/NaOH; O = Other

Container Code: P = Plastic; A = Amber Glass; V = Vial; G = Glass; B = Bacteria Cup; C = Cube; O = Other; E = Encore; D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	8/8/23 17:00	AHL Secure Storage	8/8/23 1700
AHL Secure Storage	8/8/23 1836	AHL	8/8/23 1836
			8/9/23 0115

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2346234
Client:	WSP 40 La Riviere Drive Suite 320 Buffalo, NY 14202
ATTN:	Drew Bullinger
Phone:	(716) 204-5880
Project Name:	LOUCKS ROAD EXTENSION
Project Number:	EE1705007.0032
Report Date:	09/06/23

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2346234
Report Date: 09/06/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2346234-01	SB26-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 08:30	08/10/23
L2346234-02	SB26-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 08:32	08/10/23
L2346234-03	SB24-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 09:00	08/10/23
L2346234-04	SB24-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 09:02	08/10/23
L2346234-05	SB23-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 09:30	08/10/23
L2346234-06	SB23-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 09:32	08/10/23
L2346234-07	SB21-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 09:40	08/10/23
L2346234-08	SB21-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 09:42	08/10/23
L2346234-09	SB20-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 09:51	08/10/23
L2346234-10	SB20-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 09:53	08/10/23
L2346234-11	SB19-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 10:04	08/10/23
L2346234-12	SB19-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 10:06	08/10/23
L2346234-13	SB22-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 10:10	08/10/23
L2346234-14	SB22-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 10:12	08/10/23
L2346234-15	SB18-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 10:20	08/10/23
L2346234-16	SB18-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 10:22	08/10/23
L2346234-17	SB16-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 11:00	08/10/23
L2346234-18	SB16-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 11:02	08/10/23
L2346234-19	SB14-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 11:08	08/10/23
L2346234-20	SB14-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 11:10	08/10/23
L2346234-21	SB12-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 11:15	08/10/23
L2346234-22	SB12-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 11:17	08/10/23
L2346234-23	SB05-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 11:20	08/10/23
L2346234-24	SB05-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 11:22	08/10/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2346234-25	SB02-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 11:30	08/10/23
L2346234-26	SB02-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 11:32	08/10/23
L2346234-27	SB01-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 11:42	08/10/23
L2346234-28	SB01-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 11:44	08/10/23
L2346234-29	SB03-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 11:50	08/10/23
L2346234-30	SB03-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 11:52	08/10/23
L2346234-31	SB04-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 13:08	08/10/23
L2346234-32	SB04-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 13:10	08/10/23
L2346234-33	SB04-Z 12-24-Q	SOIL	EAST SYRACUSE, DEWITT	08/09/23 13:12	08/10/23
L2346234-34	SB04-Z 24-36-Q	SOIL	EAST SYRACUSE, DEWITT	08/09/23 13:14	08/10/23
L2346234-35	SB06-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 13:18	08/10/23
L2346234-36	SB06-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 13:20	08/10/23
L2346234-37	SB08-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 13:38	08/10/23
L2346234-38	SB08-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 13:40	08/10/23
L2346234-39	SB07-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 13:30	08/10/23
L2346234-40	SB07-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 13:32	08/10/23
L2346234-41	SB09-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 13:48	08/10/23
L2346234-42	SB09-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 13:50	08/10/23
L2346234-43	SB10-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 13:56	08/10/23
L2346234-44	SB10-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 13:58	08/10/23
L2346234-45	SB11-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 14:02	08/10/23
L2346234-46	SB11-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 14:04	08/10/23
L2346234-47	SB13-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 14:08	08/10/23
L2346234-48	SB13-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 14:10	08/10/23
L2346234-49	SB15-Z 0-2	SOIL	EAST SYRACUSE, DEWITT	08/09/23 14:33	08/10/23
L2346234-50	SB15-Z 6-12	SOIL	EAST SYRACUSE, DEWITT	08/09/23 14:35	08/10/23
L2346234-51	SB15-Z 0-2-Q	SOIL	EAST SYRACUSE, DEWITT	08/09/23 14:31	08/10/23
L2346234-52	SB15-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 14:37	08/10/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2346234-53	SB15-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 14:39	08/10/23
L2346234-54	SB17-Z 12-24	SOIL	EAST SYRACUSE, DEWITT	08/09/23 14:50	08/10/23
L2346234-55	SB17-Z 24-36	SOIL	EAST SYRACUSE, DEWITT	08/09/23 14:52	08/10/23
L2346234-56	RINSATE BLANK-08092023	WATER	EAST SYRACUSE, DEWITT	08/09/23 15:00	08/10/23

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2346234
Project Number:	EE1705007.0032	**Report Date:**	09/06/23

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2346234
Project Number:	EE1705007.0032	**Report Date:**	09/06/23

Case Narrative (continued)

Report Submission

September 06, 2023: This report includes the results of the following analyses:

L2346234-04, -20, -22, -36, -38, -40, -42, -44, -46, -48, -53, and -55: PCBs

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

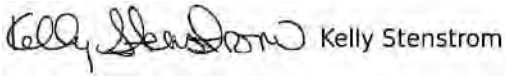
Sample Receipt

L2346234-44: The collection date and time on the chain of custody was 09-AUG-23 13:58; however, the collection date/time on the container label was 09-AUG-23 13:56. At the client's request, the collection date/time is reported as 09-AUG-23 13:58.

PCBs

L2346234-19D, -21D, -22D, -35D, -36D, -37D, -39D, -41D, -42D, -43D, -44D, -45D, -46D, -47D, -48D, -49D, -50D, -51D, -52D, -53D, -54D, and -55D: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

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

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative Date: 09/06/23

ORGANICS

PCBS

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2346234
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-01
Client ID: SB26-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 08:30
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/20/23 17:18
Analyst: MEO
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:31
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.5	5.02	1	A
Aroclor 1221	ND		ug/kg	56.5	5.66	1	A
Aroclor 1232	ND		ug/kg	56.5	12.0	1	A
Aroclor 1242	ND		ug/kg	56.5	7.62	1	A
Aroclor 1248	155		ug/kg	56.5	8.47	1	B
Aroclor 1254	ND		ug/kg	56.5	6.18	1	A
Aroclor 1260	ND		ug/kg	56.5	10.4	1	A
Aroclor 1262	ND		ug/kg	56.5	7.18	1	A
Aroclor 1268	ND		ug/kg	56.5	5.85	1	A
PCBs, Total	155		ug/kg	56.5	5.02	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2346234
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-03 D
Client ID: SB24-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 09:00
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/20/23 17:07
Analyst: MEO
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:31
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	276	24.5	5	A
Aroclor 1221	ND		ug/kg	276	27.6	5	A
Aroclor 1232	ND		ug/kg	276	58.4	5	A
Aroclor 1242	ND		ug/kg	276	37.2	5	A
Aroclor 1248	1210		ug/kg	276	41.3	5	B
Aroclor 1254	ND		ug/kg	276	30.2	5	A
Aroclor 1260	64.2	J	ug/kg	276	50.9	5	B
Aroclor 1262	ND		ug/kg	276	35.0	5	A
Aroclor 1268	ND		ug/kg	276	28.6	5	A
PCBs, Total	1270	J	ug/kg	276	24.5	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-04 D
Client ID: SB24-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 09:02
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/23 17:27
Analyst: MEO
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/31/23 00:25
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	260	23.1	5	A
Aroclor 1221	ND		ug/kg	260	26.0	5	A
Aroclor 1232	ND		ug/kg	260	55.1	5	A
Aroclor 1242	ND		ug/kg	260	35.0	5	A
Aroclor 1248	3240		ug/kg	260	39.0	5	B
Aroclor 1254	ND		ug/kg	260	28.4	5	A
Aroclor 1260	219	J	ug/kg	260	48.0	5	B
Aroclor 1262	ND		ug/kg	260	33.0	5	A
Aroclor 1268	ND		ug/kg	260	26.9	5	A
PCBs, Total	3460	J	ug/kg	260	23.1	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2346234
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-05
Client ID: SB23-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 09:30
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/20/23 17:41
Analyst: MEO
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:31
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.4	4.66	1	A
Aroclor 1221	ND		ug/kg	52.4	5.25	1	A
Aroclor 1232	ND		ug/kg	52.4	11.1	1	A
Aroclor 1242	ND		ug/kg	52.4	7.07	1	A
Aroclor 1248	23.2	J	ug/kg	52.4	7.86	1	B
Aroclor 1254	ND		ug/kg	52.4	5.74	1	A
Aroclor 1260	ND		ug/kg	52.4	9.69	1	A
Aroclor 1262	ND		ug/kg	52.4	6.66	1	A
Aroclor 1268	ND		ug/kg	52.4	5.43	1	A
PCBs, Total	23.2	J	ug/kg	52.4	4.66	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2346234
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-07
Client ID: SB21-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 09:40
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/20/23 17:49
Analyst: MEO
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:31
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	60.3	5.36	1	A
Aroclor 1221	ND		ug/kg	60.3	6.05	1	A
Aroclor 1232	ND		ug/kg	60.3	12.8	1	A
Aroclor 1242	ND		ug/kg	60.3	8.13	1	A
Aroclor 1248	ND		ug/kg	60.3	9.05	1	A
Aroclor 1254	ND		ug/kg	60.3	6.60	1	A
Aroclor 1260	ND		ug/kg	60.3	11.2	1	A
Aroclor 1262	ND		ug/kg	60.3	7.66	1	A
Aroclor 1268	ND		ug/kg	60.3	6.25	1	A
PCBs, Total	ND		ug/kg	60.3	5.36	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-09
Client ID: SB20-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 09:51
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/20/23 17:58
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:31
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.2	4.73	1	A
Aroclor 1221	ND		ug/kg	53.2	5.34	1	A
Aroclor 1232	ND		ug/kg	53.2	11.3	1	A
Aroclor 1242	ND		ug/kg	53.2	7.18	1	A
Aroclor 1248	ND		ug/kg	53.2	7.99	1	A
Aroclor 1254	ND		ug/kg	53.2	5.82	1	A
Aroclor 1260	ND		ug/kg	53.2	9.84	1	A
Aroclor 1262	ND		ug/kg	53.2	6.76	1	A
Aroclor 1268	ND		ug/kg	53.2	5.52	1	A
PCBs, Total	ND		ug/kg	53.2	4.73	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2346234
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-11
Client ID: SB19-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 10:04
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/20/23 18:06
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:31
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.5	5.11	1	A
Aroclor 1221	ND		ug/kg	57.5	5.76	1	A
Aroclor 1232	ND		ug/kg	57.5	12.2	1	A
Aroclor 1242	ND		ug/kg	57.5	7.75	1	A
Aroclor 1248	ND		ug/kg	57.5	8.63	1	A
Aroclor 1254	ND		ug/kg	57.5	6.29	1	A
Aroclor 1260	ND		ug/kg	57.5	10.6	1	A
Aroclor 1262	ND		ug/kg	57.5	7.30	1	A
Aroclor 1268	ND		ug/kg	57.5	5.96	1	A
PCBs, Total	ND		ug/kg	57.5	5.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-13
Client ID: SB22-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 10:10
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/21/23 15:02
Analyst: MEO
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/20/23 13:24
Cleanup Method: EPA 3665A
Cleanup Date: 08/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.6	4.94	1	A
Aroclor 1221	ND		ug/kg	55.6	5.57	1	A
Aroclor 1232	ND		ug/kg	55.6	11.8	1	A
Aroclor 1242	ND		ug/kg	55.6	7.50	1	A
Aroclor 1248	ND		ug/kg	55.6	8.34	1	A
Aroclor 1254	ND		ug/kg	55.6	6.08	1	A
Aroclor 1260	ND		ug/kg	55.6	10.3	1	A
Aroclor 1262	ND		ug/kg	55.6	7.06	1	A
Aroclor 1268	ND		ug/kg	55.6	5.76	1	A
PCBs, Total	ND		ug/kg	55.6	4.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-15
Client ID: SB18-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 10:20
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/21/23 10:34
Analyst: ER
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:31
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.1	4.72	1	A
Aroclor 1221	ND		ug/kg	53.1	5.32	1	A
Aroclor 1232	ND		ug/kg	53.1	11.3	1	A
Aroclor 1242	ND		ug/kg	53.1	7.16	1	A
Aroclor 1248	200		ug/kg	53.1	7.97	1	B
Aroclor 1254	ND		ug/kg	53.1	5.81	1	A
Aroclor 1260	ND		ug/kg	53.1	9.82	1	A
Aroclor 1262	ND		ug/kg	53.1	6.75	1	A
Aroclor 1268	ND		ug/kg	53.1	5.50	1	A
PCBs, Total	200		ug/kg	53.1	4.72	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-17
Client ID: SB16-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 11:00
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/20/23 18:14
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:31
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.1	4.81	1	A
Aroclor 1221	ND		ug/kg	54.1	5.42	1	A
Aroclor 1232	ND		ug/kg	54.1	11.5	1	A
Aroclor 1242	ND		ug/kg	54.1	7.30	1	A
Aroclor 1248	357		ug/kg	54.1	8.12	1	A
Aroclor 1254	ND		ug/kg	54.1	5.92	1	A
Aroclor 1260	ND		ug/kg	54.1	10.0	1	A
Aroclor 1262	ND		ug/kg	54.1	6.88	1	A
Aroclor 1268	ND		ug/kg	54.1	5.61	1	A
PCBs, Total	357		ug/kg	54.1	4.81	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-19 D
Client ID: SB14-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 11:08
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/20/23 19:10
Analyst: MEO
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:31
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1050	93.3	20	A
Aroclor 1221	ND		ug/kg	1050	105.	20	A
Aroclor 1232	ND		ug/kg	1050	223.	20	A
Aroclor 1242	ND		ug/kg	1050	142.	20	A
Aroclor 1248	5450		ug/kg	1050	158.	20	B
Aroclor 1254	ND		ug/kg	1050	115.	20	A
Aroclor 1260	ND		ug/kg	1050	194.	20	A
Aroclor 1262	ND		ug/kg	1050	133.	20	A
Aroclor 1268	ND		ug/kg	1050	109.	20	A
PCBs, Total	5450		ug/kg	1050	93.3	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-20 D
Client ID: SB14-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 11:10
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/03/23 14:40
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 09/02/23 14:07
Cleanup Method: EPA 3665A
Cleanup Date: 09/02/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	282	25.1	5	A
Aroclor 1221	ND		ug/kg	282	28.3	5	A
Aroclor 1232	ND		ug/kg	282	59.8	5	A
Aroclor 1242	ND		ug/kg	282	38.0	5	A
Aroclor 1248	2710		ug/kg	282	42.3	5	B
Aroclor 1254	ND		ug/kg	282	30.9	5	A
Aroclor 1260	144	J	ug/kg	282	52.2	5	B
Aroclor 1262	ND		ug/kg	282	35.8	5	A
Aroclor 1268	ND		ug/kg	282	29.2	5	A
PCBs, Total	2850	J	ug/kg	282	25.1	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-21 D
Client ID: SB12-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 11:15
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/20/23 17:15
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:31
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5460	484.	100	A
Aroclor 1221	ND		ug/kg	5460	547.	100	A
Aroclor 1232	ND		ug/kg	5460	1160	100	A
Aroclor 1242	ND		ug/kg	5460	736.	100	A
Aroclor 1248	12600		ug/kg	5460	818.	100	A
Aroclor 1254	ND		ug/kg	5460	597.	100	A
Aroclor 1260	ND		ug/kg	5460	1010	100	B
Aroclor 1262	ND		ug/kg	5460	693.	100	A
Aroclor 1268	ND		ug/kg	5460	565.	100	A
PCBs, Total	12600		ug/kg	5460	484.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-22 D
Client ID: SB12-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 11:17
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/03/23 12:25
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 09/02/23 14:07
Cleanup Method: EPA 3665A
Cleanup Date: 09/02/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1110	99.0	20	A
Aroclor 1221	ND		ug/kg	1110	112.	20	A
Aroclor 1232	ND		ug/kg	1110	236.	20	A
Aroclor 1242	ND		ug/kg	1110	150.	20	A
Aroclor 1248	26700		ug/kg	1110	167.	20	B
Aroclor 1254	ND		ug/kg	1110	122.	20	A
Aroclor 1260	1010	J	ug/kg	1110	206.	20	B
Aroclor 1262	ND		ug/kg	1110	142.	20	A
Aroclor 1268	ND		ug/kg	1110	115.	20	A
PCBs, Total	27700	J	ug/kg	1110	99.0	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-23
Client ID: SB05-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 11:20
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/20/23 18:22
Analyst: MEO
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:31
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	59.4	5.28	1	A
Aroclor 1221	ND		ug/kg	59.4	5.95	1	A
Aroclor 1232	ND		ug/kg	59.4	12.6	1	A
Aroclor 1242	ND		ug/kg	59.4	8.01	1	A
Aroclor 1248	460		ug/kg	59.4	8.91	1	A
Aroclor 1254	ND		ug/kg	59.4	6.50	1	A
Aroclor 1260	ND		ug/kg	59.4	11.0	1	A
Aroclor 1262	ND		ug/kg	59.4	7.55	1	A
Aroclor 1268	ND		ug/kg	59.4	6.16	1	A
PCBs, Total	460		ug/kg	59.4	5.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2346234
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-25
Client ID: SB02-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 11:30
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/21/23 10:26
Analyst: ER
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:31
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.2	4.90	1	A
Aroclor 1221	ND		ug/kg	55.2	5.53	1	A
Aroclor 1232	ND		ug/kg	55.2	11.7	1	A
Aroclor 1242	ND		ug/kg	55.2	7.44	1	A
Aroclor 1248	15.8	J	ug/kg	55.2	8.28	1	B
Aroclor 1254	ND		ug/kg	55.2	6.04	1	A
Aroclor 1260	ND		ug/kg	55.2	10.2	1	A
Aroclor 1262	ND		ug/kg	55.2	7.01	1	A
Aroclor 1268	ND		ug/kg	55.2	5.72	1	A
PCBs, Total	15.8	J	ug/kg	55.2	4.90	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2346234
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-27
Client ID: SB01-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 11:42
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/20/23 18:30
Analyst: MEO
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:31
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.8	4.95	1	A
Aroclor 1221	ND		ug/kg	55.8	5.59	1	A
Aroclor 1232	ND		ug/kg	55.8	11.8	1	A
Aroclor 1242	ND		ug/kg	55.8	7.52	1	A
Aroclor 1248	48.1	J	ug/kg	55.8	8.36	1	B
Aroclor 1254	ND		ug/kg	55.8	6.10	1	A
Aroclor 1260	ND		ug/kg	55.8	10.3	1	A
Aroclor 1262	ND		ug/kg	55.8	7.08	1	A
Aroclor 1268	ND		ug/kg	55.8	5.78	1	A
PCBs, Total	48.1	J	ug/kg	55.8	4.95	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2346234
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-29
Client ID: SB03-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 11:50
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/20/23 18:38
Analyst: MEO
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:31
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.3	5.09	1	A
Aroclor 1221	ND		ug/kg	57.3	5.75	1	A
Aroclor 1232	ND		ug/kg	57.3	12.2	1	A
Aroclor 1242	ND		ug/kg	57.3	7.73	1	A
Aroclor 1248	155		ug/kg	57.3	8.60	1	A
Aroclor 1254	ND		ug/kg	57.3	6.27	1	A
Aroclor 1260	ND		ug/kg	57.3	10.6	1	A
Aroclor 1262	ND		ug/kg	57.3	7.28	1	A
Aroclor 1268	ND		ug/kg	57.3	5.94	1	A
PCBs, Total	155		ug/kg	57.3	5.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-31
Client ID: SB04-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 13:08
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/20/23 18:45
Analyst: MEO
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:31
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.2	4.90	1	A
Aroclor 1221	ND		ug/kg	55.2	5.53	1	A
Aroclor 1232	ND		ug/kg	55.2	11.7	1	A
Aroclor 1242	ND		ug/kg	55.2	7.43	1	A
Aroclor 1248	332		ug/kg	55.2	8.27	1	B
Aroclor 1254	ND		ug/kg	55.2	6.03	1	A
Aroclor 1260	ND		ug/kg	55.2	10.2	1	A
Aroclor 1262	ND		ug/kg	55.2	7.00	1	A
Aroclor 1268	ND		ug/kg	55.2	5.71	1	A
PCBs, Total	332		ug/kg	55.2	4.90	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2346234
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-33
Client ID: SB04-Z 12-24-Q
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 13:12
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/20/23 18:53
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:31
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.1	4.90	1	A
Aroclor 1221	ND		ug/kg	55.1	5.52	1	A
Aroclor 1232	ND		ug/kg	55.1	11.7	1	A
Aroclor 1242	ND		ug/kg	55.1	7.43	1	A
Aroclor 1248	453		ug/kg	55.1	8.27	1	A
Aroclor 1254	ND		ug/kg	55.1	6.03	1	A
Aroclor 1260	ND		ug/kg	55.1	10.2	1	A
Aroclor 1262	ND		ug/kg	55.1	7.00	1	A
Aroclor 1268	ND		ug/kg	55.1	5.71	1	A
PCBs, Total	453		ug/kg	55.1	4.90	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-35 D
Client ID: SB06-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 13:18
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/20/23 19:18
Analyst: MEO
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:31
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1120	99.6	20	A
Aroclor 1221	ND		ug/kg	1120	112.	20	A
Aroclor 1232	ND		ug/kg	1120	238.	20	A
Aroclor 1242	ND		ug/kg	1120	151.	20	A
Aroclor 1248	3740		ug/kg	1120	168.	20	B
Aroclor 1254	ND		ug/kg	1120	123.	20	A
Aroclor 1260	ND		ug/kg	1120	207.	20	A
Aroclor 1262	ND		ug/kg	1120	142.	20	A
Aroclor 1268	ND		ug/kg	1120	116.	20	A
PCBs, Total	3740		ug/kg	1120	99.6	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2346234
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-36 D
Client ID: SB06-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 13:20
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/03/23 14:33
Analyst: MEO
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/31/23 00:53
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5280	469.	100	A
Aroclor 1221	ND		ug/kg	5280	529.	100	A
Aroclor 1232	ND		ug/kg	5280	1120	100	A
Aroclor 1242	ND		ug/kg	5280	711.	100	A
Aroclor 1248	32900		ug/kg	5280	792.	100	B
Aroclor 1254	ND		ug/kg	5280	577.	100	A
Aroclor 1260	1340	J	ug/kg	5280	975.	100	A
Aroclor 1262	ND		ug/kg	5280	670.	100	A
Aroclor 1268	ND		ug/kg	5280	547.	100	A
PCBs, Total	34200	J	ug/kg	5280	469.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-37 D
Client ID: SB08-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 13:38
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/20/23 19:02
Analyst: MEO
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:31
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1110	98.9	20	A
Aroclor 1221	ND		ug/kg	1110	112.	20	A
Aroclor 1232	ND		ug/kg	1110	236.	20	A
Aroclor 1242	ND		ug/kg	1110	150.	20	A
Aroclor 1248	9760		ug/kg	1110	167.	20	B
Aroclor 1254	ND		ug/kg	1110	122.	20	A
Aroclor 1260	ND		ug/kg	1110	206.	20	A
Aroclor 1262	ND		ug/kg	1110	142.	20	A
Aroclor 1268	ND		ug/kg	1110	115.	20	A
PCBs, Total	9760		ug/kg	1110	98.9	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-38 D
Client ID: SB08-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 13:40
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/23 17:03
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/31/23 00:54
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	273	24.2	5	A
Aroclor 1221	ND		ug/kg	273	27.4	5	A
Aroclor 1232	ND		ug/kg	273	57.9	5	A
Aroclor 1242	ND		ug/kg	273	36.8	5	A
Aroclor 1248	4380		ug/kg	273	40.9	5	B
Aroclor 1254	ND		ug/kg	273	29.9	5	A
Aroclor 1260	219	J	ug/kg	273	50.4	5	B
Aroclor 1262	ND		ug/kg	273	34.7	5	A
Aroclor 1268	ND		ug/kg	273	28.3	5	A
PCBs, Total	4600	J	ug/kg	273	24.2	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-39 D
Client ID: SB07-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 13:30
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/20/23 19:26
Analyst: MEO
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:31
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1090	97.2	20	A
Aroclor 1221	ND		ug/kg	1090	110.	20	A
Aroclor 1232	ND		ug/kg	1090	232.	20	A
Aroclor 1242	ND		ug/kg	1090	148.	20	A
Aroclor 1248	2860		ug/kg	1090	164.	20	B
Aroclor 1254	ND		ug/kg	1090	120.	20	A
Aroclor 1260	ND		ug/kg	1090	202.	20	A
Aroclor 1262	ND		ug/kg	1090	139.	20	A
Aroclor 1268	ND		ug/kg	1090	113.	20	A
PCBs, Total	2860		ug/kg	1090	97.2	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2346234
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-40
Client ID: SB07-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 13:32
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/23 02:13
Analyst: ER
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/31/23 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.2	4.63	1	A
Aroclor 1221	ND		ug/kg	52.2	5.23	1	A
Aroclor 1232	ND		ug/kg	52.2	11.1	1	A
Aroclor 1242	ND		ug/kg	52.2	7.03	1	A
Aroclor 1248	750		ug/kg	52.2	7.82	1	B
Aroclor 1254	ND		ug/kg	52.2	5.71	1	A
Aroclor 1260	ND		ug/kg	52.2	9.64	1	A
Aroclor 1262	ND		ug/kg	52.2	6.63	1	A
Aroclor 1268	ND		ug/kg	52.2	5.40	1	A
PCBs, Total	750		ug/kg	52.2	4.63	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	44		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2346234
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-41 D
Client ID: SB09-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 13:48
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/20/23 17:23
Analyst: MEO
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:31
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5580	495.	100	A
Aroclor 1221	ND		ug/kg	5580	559.	100	A
Aroclor 1232	ND		ug/kg	5580	1180	100	A
Aroclor 1242	ND		ug/kg	5580	752.	100	A
Aroclor 1248	19700		ug/kg	5580	837.	100	A
Aroclor 1254	ND		ug/kg	5580	610.	100	A
Aroclor 1260	ND		ug/kg	5580	1030	100	B
Aroclor 1262	ND		ug/kg	5580	708.	100	A
Aroclor 1268	ND		ug/kg	5580	578.	100	A
PCBs, Total	19700		ug/kg	5580	495.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-42 D
Client ID: SB09-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 13:50
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/23 16:55
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/31/23 00:56
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1050	93.0	20	A
Aroclor 1221	ND		ug/kg	1050	105.	20	A
Aroclor 1232	ND		ug/kg	1050	222.	20	A
Aroclor 1242	ND		ug/kg	1050	141.	20	A
Aroclor 1248	15000		ug/kg	1050	157.	20	B
Aroclor 1254	ND		ug/kg	1050	115.	20	A
Aroclor 1260	693	J	ug/kg	1050	194.	20	B
Aroclor 1262	ND		ug/kg	1050	133.	20	A
Aroclor 1268	ND		ug/kg	1050	108.	20	A
PCBs, Total	15700	J	ug/kg	1050	93.0	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-43 D
Client ID: SB10-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 13:56
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/21/23 12:35
Analyst: MEO
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:43
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5550	493.	100	A
Aroclor 1221	ND		ug/kg	5550	556.	100	A
Aroclor 1232	ND		ug/kg	5550	1180	100	A
Aroclor 1242	ND		ug/kg	5550	748.	100	A
Aroclor 1248	28000		ug/kg	5550	832.	100	B
Aroclor 1254	ND		ug/kg	5550	607.	100	A
Aroclor 1260	1330	J	ug/kg	5550	1020	100	B
Aroclor 1262	ND		ug/kg	5550	705.	100	A
Aroclor 1268	ND		ug/kg	5550	575.	100	A
PCBs, Total	29300	J	ug/kg	5550	493.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-44 D
Client ID: SB10-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 13:58
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/23 16:47
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/31/23 00:57
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1090	96.7	20	A
Aroclor 1221	ND		ug/kg	1090	109.	20	A
Aroclor 1232	ND		ug/kg	1090	231.	20	A
Aroclor 1242	ND		ug/kg	1090	147.	20	A
Aroclor 1248	13100		ug/kg	1090	163.	20	B
Aroclor 1254	ND		ug/kg	1090	119.	20	A
Aroclor 1260	613	J	ug/kg	1090	201.	20	B
Aroclor 1262	ND		ug/kg	1090	138.	20	A
Aroclor 1268	ND		ug/kg	1090	113.	20	A
PCBs, Total	13700	J	ug/kg	1090	96.7	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-45 D
Client ID: SB11-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 14:02
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/21/23 11:56
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:43
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5660	503.	100	A
Aroclor 1221	ND		ug/kg	5660	567.	100	A
Aroclor 1232	ND		ug/kg	5660	1200	100	A
Aroclor 1242	ND		ug/kg	5660	763.	100	A
Aroclor 1248	24700		ug/kg	5660	849.	100	B
Aroclor 1254	ND		ug/kg	5660	619.	100	A
Aroclor 1260	1250	J	ug/kg	5660	1050	100	B
Aroclor 1262	ND		ug/kg	5660	719.	100	A
Aroclor 1268	ND		ug/kg	5660	587.	100	A
PCBs, Total	26000	J	ug/kg	5660	503.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-46 D
Client ID: SB11-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 14:04
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/23 16:39
Analyst: MEO
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/31/23 00:58
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1110	98.7	20	A
Aroclor 1221	ND		ug/kg	1110	111.	20	A
Aroclor 1232	ND		ug/kg	1110	236.	20	A
Aroclor 1242	ND		ug/kg	1110	150.	20	A
Aroclor 1248	18000		ug/kg	1110	167.	20	B
Aroclor 1254	ND		ug/kg	1110	122.	20	A
Aroclor 1260	914	J	ug/kg	1110	205.	20	B
Aroclor 1262	ND		ug/kg	1110	141.	20	A
Aroclor 1268	ND		ug/kg	1110	115.	20	A
PCBs, Total	18900	J	ug/kg	1110	98.7	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-47 D
Client ID: SB13-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 14:08
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/22/23 06:00
Analyst: MEO
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:43
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5730	509.	100	A
Aroclor 1221	ND		ug/kg	5730	575.	100	A
Aroclor 1232	ND		ug/kg	5730	1220	100	A
Aroclor 1242	ND		ug/kg	5730	773.	100	A
Aroclor 1248	40600		ug/kg	5730	860.	100	B
Aroclor 1254	ND		ug/kg	5730	627.	100	A
Aroclor 1260	1760	J	ug/kg	5730	1060	100	B
Aroclor 1262	ND		ug/kg	5730	728.	100	A
Aroclor 1268	ND		ug/kg	5730	594.	100	A
PCBs, Total	42400	J	ug/kg	5730	509.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-48 D
Client ID: SB13-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 14:10
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/03/23 14:48
Analyst: MEO
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 09/02/23 14:07
Cleanup Method: EPA 3665A
Cleanup Date: 09/02/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1340	119.	25	A
Aroclor 1221	ND		ug/kg	1340	135.	25	A
Aroclor 1232	ND		ug/kg	1340	285.	25	A
Aroclor 1242	ND		ug/kg	1340	181.	25	A
Aroclor 1248	25800		ug/kg	1340	202.	25	B
Aroclor 1254	ND		ug/kg	1340	147.	25	A
Aroclor 1260	ND		ug/kg	1340	248.	25	A
Aroclor 1262	ND		ug/kg	1340	171.	25	A
Aroclor 1268	ND		ug/kg	1340	139.	25	A
PCBs, Total	25800		ug/kg	1340	119.	25	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2346234
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-49 D
Client ID: SB15-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 14:33
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/21/23 12:22
Analyst: MEO
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:43
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5730	509.	100	A
Aroclor 1221	ND		ug/kg	5730	574.	100	A
Aroclor 1232	ND		ug/kg	5730	1210	100	A
Aroclor 1242	ND		ug/kg	5730	772.	100	A
Aroclor 1248	12200		ug/kg	5730	859.	100	B
Aroclor 1254	ND		ug/kg	5730	627.	100	A
Aroclor 1260	1180	J	ug/kg	5730	1060	100	B
Aroclor 1262	ND		ug/kg	5730	727.	100	A
Aroclor 1268	ND		ug/kg	5730	593.	100	A
PCBs, Total	13400	J	ug/kg	5730	509.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-50 D
Client ID: SB15-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 14:35
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/21/23 19:42
Analyst: MEO
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:43
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5280	469.	100	A
Aroclor 1221	ND		ug/kg	5280	529.	100	A
Aroclor 1232	ND		ug/kg	5280	1120	100	A
Aroclor 1242	ND		ug/kg	5280	712.	100	A
Aroclor 1248	24100		ug/kg	5280	792.	100	B
Aroclor 1254	ND		ug/kg	5280	578.	100	A
Aroclor 1260	ND		ug/kg	5280	976.	100	B
Aroclor 1262	ND		ug/kg	5280	670.	100	A
Aroclor 1268	ND		ug/kg	5280	547.	100	A
PCBs, Total	24100		ug/kg	5280	469.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-51 D
Client ID: SB15-Z 0-2-Q
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 14:31
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/21/23 12:09
Analyst: MEO
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:43
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5620	499.	100	A
Aroclor 1221	ND		ug/kg	5620	563.	100	A
Aroclor 1232	ND		ug/kg	5620	1190	100	A
Aroclor 1242	ND		ug/kg	5620	758.	100	A
Aroclor 1248	12700		ug/kg	5620	843.	100	B
Aroclor 1254	ND		ug/kg	5620	615.	100	A
Aroclor 1260	1230	J	ug/kg	5620	1040	100	B
Aroclor 1262	ND		ug/kg	5620	714.	100	A
Aroclor 1268	ND		ug/kg	5620	582.	100	A
PCBs, Total	13900	J	ug/kg	5620	499.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-52 D
Client ID: SB15-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 14:37
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/21/23 13:01
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:43
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	27200	2410	500	A
Aroclor 1221	ND		ug/kg	27200	2720	500	A
Aroclor 1232	ND		ug/kg	27200	5760	500	A
Aroclor 1242	ND		ug/kg	27200	3660	500	A
Aroclor 1248	97500		ug/kg	27200	4080	500	B
Aroclor 1254	ND		ug/kg	27200	2970	500	A
Aroclor 1260	ND		ug/kg	27200	5020	500	B
Aroclor 1262	ND		ug/kg	27200	3450	500	A
Aroclor 1268	ND		ug/kg	27200	2820	500	A
PCBs, Total	97500		ug/kg	27200	2410	500	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-53 D
Client ID: SB15-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 14:39
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/23 16:31
Analyst: MEO
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 08/31/23 00:59
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1100	97.7	20	A
Aroclor 1221	ND		ug/kg	1100	110.	20	A
Aroclor 1232	ND		ug/kg	1100	233.	20	A
Aroclor 1242	ND		ug/kg	1100	148.	20	A
Aroclor 1248	9540		ug/kg	1100	165.	20	B
Aroclor 1254	ND		ug/kg	1100	120.	20	A
Aroclor 1260	531	J	ug/kg	1100	203.	20	B
Aroclor 1262	ND		ug/kg	1100	140.	20	A
Aroclor 1268	ND		ug/kg	1100	114.	20	A
PCBs, Total	10100	J	ug/kg	1100	97.7	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-54 D
Client ID: SB17-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 14:50
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/21/23 13:14
Analyst: MEO
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:43
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	27900	2480	500	A
Aroclor 1221	ND		ug/kg	27900	2800	500	A
Aroclor 1232	ND		ug/kg	27900	5920	500	A
Aroclor 1242	ND		ug/kg	27900	3760	500	A
Aroclor 1248	54700		ug/kg	27900	4190	500	B
Aroclor 1254	ND		ug/kg	27900	3060	500	A
Aroclor 1260	ND		ug/kg	27900	5160	500	B
Aroclor 1262	ND		ug/kg	27900	3550	500	A
Aroclor 1268	ND		ug/kg	27900	2890	500	A
PCBs, Total	54700		ug/kg	27900	2480	500	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-55 D
Client ID: SB17-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 14:52
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/23 16:23
Analyst: MEO
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/31/23 01:00
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1090	96.8	20	A
Aroclor 1221	ND		ug/kg	1090	109.	20	A
Aroclor 1232	ND		ug/kg	1090	231.	20	A
Aroclor 1242	ND		ug/kg	1090	147.	20	A
Aroclor 1248	8550		ug/kg	1090	164.	20	B
Aroclor 1254	ND		ug/kg	1090	119.	20	A
Aroclor 1260	411	J	ug/kg	1090	202.	20	B
Aroclor 1262	ND		ug/kg	1090	138.	20	A
Aroclor 1268	ND		ug/kg	1090	113.	20	A
PCBs, Total	8960	J	ug/kg	1090	96.8	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2346234
Project Number: EE1705007.0032
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-56
Client ID: RINSATE BLANK-08092023
Sample Location: EAST SYRACUSE, DEWITT

Date Collected: 08/09/23 15:00
Date Received: 08/10/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/22/23 09:11
Analyst: ER

Extraction Method: EPA 3510C
Extraction Date: 08/21/23 11:49
Cleanup Method: EPA 3665A
Cleanup Date: 08/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/22/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	0.626		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	0.626		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	32		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	33		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/20/23 16:54
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:31
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03,05,07,09,11,15,17,19,21,23,25,27,29,31,33,35,37,39,41 Batch: WG1817914-1						
Aroclor 1016	ND		ug/kg	46.9	4.16	A
Aroclor 1221	ND		ug/kg	46.9	4.70	A
Aroclor 1232	ND		ug/kg	46.9	9.93	A
Aroclor 1242	ND		ug/kg	46.9	6.32	A
Aroclor 1248	ND		ug/kg	46.9	7.03	A
Aroclor 1254	ND		ug/kg	46.9	5.13	A
Aroclor 1260	ND		ug/kg	46.9	8.66	A
Aroclor 1262	ND		ug/kg	46.9	5.95	A
Aroclor 1268	ND		ug/kg	46.9	4.85	A
PCBs, Total	ND		ug/kg	46.9	4.16	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/21/23 11:18
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 08/19/23 20:43
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 13,43,45,47,49-52,54 Batch: WG1817915-1						
Aroclor 1016	ND		ug/kg	47.3	4.20	A
Aroclor 1221	ND		ug/kg	47.3	4.74	A
Aroclor 1232	ND		ug/kg	47.3	10.0	A
Aroclor 1242	ND		ug/kg	47.3	6.38	A
Aroclor 1248	ND		ug/kg	47.3	7.10	A
Aroclor 1254	ND		ug/kg	47.3	5.18	A
Aroclor 1260	ND		ug/kg	47.3	8.75	A
Aroclor 1262	ND		ug/kg	47.3	6.01	A
Aroclor 1268	ND		ug/kg	47.3	4.90	A
PCBs, Total	ND		ug/kg	47.3	4.20	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/22/23 08:46
Analyst: ER

Extraction Method: EPA 3510C
Extraction Date: 08/21/23 11:49
Cleanup Method: EPA 3665A
Cleanup Date: 08/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/22/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 56 Batch: WG1818232-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	40		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	36		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2346234

Project Number: EE1705007.0032 **Report Date:** 09/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/01/23 08:24
Analyst: ER

Extraction Method: EPA 3546
Extraction Date: 08/31/23 00:25
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04,36,38,40,42,44,46,53,55 Batch: WG1822222-1						
Aroclor 1016	ND		ug/kg	47.2	4.19	A
Aroclor 1221	ND		ug/kg	47.2	4.73	A
Aroclor 1232	ND		ug/kg	47.2	10.0	A
Aroclor 1242	ND		ug/kg	47.2	6.36	A
Aroclor 1248	ND		ug/kg	47.2	7.08	A
Aroclor 1254	ND		ug/kg	47.2	5.16	A
Aroclor 1260	ND		ug/kg	47.2	8.72	A
Aroclor 1262	ND		ug/kg	47.2	5.99	A
Aroclor 1268	ND		ug/kg	47.2	4.89	A
PCBs, Total	ND		ug/kg	47.2	4.19	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/03/23 11:21
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 09/02/23 08:18
Cleanup Method: EPA 3665A
Cleanup Date: 09/02/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 20,22,48 Batch: WG1823185-1						
Aroclor 1016	ND		ug/kg	49.4	4.39	A
Aroclor 1221	ND		ug/kg	49.4	4.96	A
Aroclor 1232	ND		ug/kg	49.4	10.5	A
Aroclor 1242	ND		ug/kg	49.4	6.67	A
Aroclor 1248	ND		ug/kg	49.4	7.42	A
Aroclor 1254	ND		ug/kg	49.4	5.41	A
Aroclor 1260	ND		ug/kg	49.4	9.14	A
Aroclor 1262	ND		ug/kg	49.4	6.28	A
Aroclor 1268	ND		ug/kg	49.4	5.12	A
PCBs, Total	ND		ug/kg	49.4	4.39	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	71		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2346234

Report Date: 09/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03,05,07,09,11,15,17,19,21,23,25,27,29,31,33,35,37,39,41 Batch: WG1817914-2 WG1817914-3									
Aroclor 1016	76		76		40-140	0		50	A
Aroclor 1260	76		76		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		80		30-150	A
Decachlorobiphenyl	96		94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		82		30-150	B
Decachlorobiphenyl	89		87		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2346234

Report Date: 09/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 13,43,45,47,49-52,54 Batch: WG1817915-2 WG1817915-3									
Aroclor 1016	72		73		40-140	1		50	A
Aroclor 1260	69		72		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		73		30-150	A
Decachlorobiphenyl	62		66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		79		30-150	B
Decachlorobiphenyl	55		58		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2346234
Report Date: 09/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 56 Batch: WG1818232-2 WG1818232-3									
Aroclor 1016	54		49		40-140	11		50	A
Aroclor 1260	43		42		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		44		30-150	A
Decachlorobiphenyl	41		40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	36		35		30-150	B
Decachlorobiphenyl	39		40		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2346234

Report Date: 09/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04,36,38,40,42,44,46,53,55 Batch: WG1822222-2 WG1822222-3									
Aroclor 1016	69		71		40-140	3		50	A
Aroclor 1260	70		67		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		73		30-150	A
Decachlorobiphenyl	71		72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		71		30-150	B
Decachlorobiphenyl	75		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2346234
Report Date: 09/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 20,22,48 Batch: WG1823185-2 WG1823185-3									
Aroclor 1016	83		86		40-140	4		50	A
Aroclor 1260	82		85		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		84		30-150	A
Decachlorobiphenyl	80		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		87		30-150	B
Decachlorobiphenyl	84		82		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2346234

Report Date: 09/06/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03,05,07,09,11,15,17,19,21,23,25,27,29,31,33,35,37,39,41 QC Batch ID: WG1817914-4 WG1817914-5 QC Sample: L2346234-01 Client ID: SB26-Z 12-24													
Aroclor 1016	ND	385	286	74		388	104		40-140	30		50	A
Aroclor 1260	ND	385	241	63		288	77		40-140	18		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		76		30-150	A
Decachlorobiphenyl	71		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		79		30-150	B
Decachlorobiphenyl	67		82		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2346234

Report Date: 09/06/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04,36,38,40,42,44,46,53,55 QC Batch ID: WG1822222-4 WG1822222-5 QC Sample: L2346234-38 Client ID: SB08-Z 24-36													
Aroclor 1016	ND	350	771	**220**	Q	631	**188**	Q	40-140	20		50	A
Aroclor 1260	219J	350	952	**272**	Q	824	**245**	Q	40-140	14		50	B

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		68		30-150	A
Decachlorobiphenyl	68		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		68		30-150	B
Decachlorobiphenyl	74		70		30-150	B

INORGANICS
&
MISCELLANEOUS

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-01
Client ID: SB26-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/09/23 08:30
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.6		%	0.100	NA	1	-	08/12/23 11:43	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-03
Client ID: SB24-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 09:00
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.3		%	0.100	NA	1	-	08/12/23 11:43	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-04
Client ID: SB24-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 09:02
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.6		%	0.100	NA	1	-	08/31/23 11:35	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-05
Client ID: SB23-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 09:30
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.6		%	0.100	NA	1	-	08/12/23 11:43	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-07
Client ID: SB21-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 09:40
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.0		%	0.100	NA	1	-	08/12/23 11:43	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-09
Client ID: SB20-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 09:51
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.3		%	0.100	NA	1	-	08/12/23 11:43	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-11
Client ID: SB19-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 10:04
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.9		%	0.100	NA	1	-	08/12/23 11:43	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-13
Client ID: SB22-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/09/23 10:10
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.5		%	0.100	NA	1	-	08/12/23 11:43	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-15
Client ID: SB18-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 10:20
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	08/12/23 11:43	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-17
Client ID: SB16-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 11:00
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.4		%	0.100	NA	1	-	08/12/23 12:01	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-19
Client ID: SB14-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/09/23 11:08
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.6		%	0.100	NA	1	-	08/12/23 12:01	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-20
Client ID: SB14-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 11:10
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.5		%	0.100	NA	1	-	08/31/23 11:35	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-21
Client ID: SB12-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 11:15
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	08/12/23 12:01	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-22
Client ID: SB12-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 11:17
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.2		%	0.100	NA	1	-	08/31/23 11:35	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-23
Client ID: SB05-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 11:20
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.5		%	0.100	NA	1	-	08/12/23 12:01	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-25
Client ID: SB02-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 11:30
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.4		%	0.100	NA	1	-	08/12/23 12:01	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-27
Client ID: SB01-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/09/23 11:42
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.1		%	0.100	NA	1	-	08/12/23 12:01	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-29
Client ID: SB03-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 11:50
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.8		%	0.100	NA	1	-	08/12/23 12:01	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-31
Client ID: SB04-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 13:08
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	08/12/23 12:01	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-33
Client ID: SB04-Z 12-24-Q
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 13:12
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.2		%	0.100	NA	1	-	08/12/23 12:01	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-35
Client ID: SB06-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 13:18
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.4		%	0.100	NA	1	-	08/12/23 12:01	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-36
Client ID: SB06-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 13:20
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.4		%	0.100	NA	1	-	08/31/23 11:35	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-37
Client ID: SB08-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 13:38
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	08/12/23 12:01	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-38
Client ID: SB08-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 13:40
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.4		%	0.100	NA	1	-	08/31/23 11:35	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-39
Client ID: SB07-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 13:30
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.1		%	0.100	NA	1	-	08/12/23 12:01	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-40
Client ID: SB07-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 13:32
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.6		%	0.100	NA	1	-	08/31/23 11:35	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-41
Client ID: SB09-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 13:48
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	08/12/23 12:01	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-42
Client ID: SB09-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 13:50
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.4		%	0.100	NA	1	-	08/31/23 11:35	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-43
Client ID: SB10-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 13:56
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	08/12/23 12:01	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-44
Client ID: SB10-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 13:58
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.3		%	0.100	NA	1	-	08/31/23 11:35	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-45
Client ID: SB11-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 14:02
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.4		%	0.100	NA	1	-	08/12/23 12:01	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-46
Client ID: SB11-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 14:04
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.6		%	0.100	NA	1	-	08/31/23 11:35	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-47
Client ID: SB13-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 14:08
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.4		%	0.100	NA	1	-	08/12/23 12:01	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-48
Client ID: SB13-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 14:10
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.5		%	0.100	NA	1	-	08/31/23 11:35	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-49
Client ID: SB15-Z 0-2
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 14:33
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.1		%	0.100	NA	1	-	08/12/23 12:01	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-50
Client ID: SB15-Z 6-12
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/09/23 14:35
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.7		%	0.100	NA	1	-	08/12/23 12:01	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-51
Client ID: SB15-Z 0-2-Q
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 14:31
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.0		%	0.100	NA	1	-	08/12/23 12:01	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-52
Client ID: SB15-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 14:37
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.2		%	0.100	NA	1	-	08/12/23 12:01	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-53
Client ID: SB15-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 14:39
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.0		%	0.100	NA	1	-	08/31/23 11:50	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-54
Client ID: SB17-Z 12-24
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 08/09/23 14:50
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	08/12/23 12:15	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2346234
Report Date: 09/06/23

SAMPLE RESULTS

Lab ID: L2346234-55
Client ID: SB17-Z 24-36
Sample Location: EAST SYRACUSE, DEWITT
Sample Depth:
Matrix: Soil
Date Collected: 08/09/23 14:52
Date Received: 08/10/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.9		%	0.100	NA	1	-	08/31/23 11:50	121,2540G	ROI

Lab Duplicate Analysis
Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2346234
Report Date: 09/06/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,15 QC Batch ID: WG1815102-1 QC Sample: L2346234-01 Client ID: SB26-Z 12-24						
Solids, Total	80.6	80.4	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 17,19,21,23,25,27,29,31,33,35,37,39,41,43,45,47,49-52 QC Batch ID: WG1815104-1 QC Sample: L2346234-37 Client ID: SB08-Z 12-24						
Solids, Total	86.8	87.1	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 54 QC Batch ID: WG1815106-1 QC Sample: L2346749-17 Client ID: DUP Sample						
Solids, Total	88.9	89.7	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 04,20,22,36,38,40,42,44,46,48 QC Batch ID: WG1822362-1 QC Sample: L2346234-38 Client ID: SB08-Z 24-36						
Solids, Total	86.4	87.4	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 53,55 QC Batch ID: WG1822364-1 QC Sample: L2350217-01 Client ID: DUP Sample						
Solids, Total	19.1	18.6	%	3		20

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2346234
Report Date: 09/06/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2346234-01A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-01A1	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-01B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-01B1	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-02A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		HOLD-WETCHEM()
L2346234-02A1	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		HOLD-WETCHEM()
L2346234-02B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		HOLD-8082(14)
L2346234-02B1	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		HOLD-8082(14)
L2346234-03A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-03B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-04A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-04B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-05A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-05B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-06A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		HOLD-WETCHEM()
L2346234-06B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		HOLD-8082(14)
L2346234-07A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-07B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-08A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		HOLD-WETCHEM()
L2346234-08B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		HOLD-8082(14)
L2346234-09A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-09B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-10A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		HOLD-WETCHEM()

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2346234
Report Date: 09/06/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2346234-10B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		HOLD-8082(14)
L2346234-11A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-11B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-12A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		HOLD-WETCHEM()
L2346234-12B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		HOLD-8082(14)
L2346234-13A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-13B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-14A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		HOLD-WETCHEM()
L2346234-14B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		HOLD-8082(14)
L2346234-15A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-15B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-16A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		HOLD-WETCHEM()
L2346234-16B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		HOLD-8082(14)
L2346234-17A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-17B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-18A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		HOLD-WETCHEM()
L2346234-18B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		HOLD-8082(14)
L2346234-19A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-19B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-20A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-20B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-21A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-21B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-22A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-22B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-23A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-23B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-24A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		HOLD-WETCHEM()

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2346234
Report Date: 09/06/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2346234-24B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		HOLD-8082(14)
L2346234-25A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-25B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-26A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		HOLD-WETCHEM()
L2346234-26B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		HOLD-8082(14)
L2346234-27A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-27B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-28A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		HOLD-WETCHEM()
L2346234-28B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		HOLD-8082(14)
L2346234-29A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-29B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-30A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		HOLD-WETCHEM()
L2346234-30B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		HOLD-8082(14)
L2346234-31A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-31B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-32A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		HOLD-WETCHEM()
L2346234-32B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		HOLD-8082(14)
L2346234-33A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-33B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-34A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		HOLD-WETCHEM()
L2346234-34B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		HOLD-8082(14)
L2346234-35A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-35B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-36A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-36B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-37A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-37A1	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-37B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2346234
Report Date: 09/06/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2346234-37B1	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-38A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-38A1	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-38B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-38B1	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-39A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-39B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-40A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-40B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-41A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-41B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-42A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-42B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-43A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-43B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-44A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-44B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-45A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-45B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-46A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-46B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-47A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-47B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-48A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-48B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-49A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-49B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-50A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2346234
Report Date: 09/06/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2346234-50B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-51A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-51B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-52A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-52B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-53A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-53B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-54A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-54B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-55A	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2346234-55B	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8082(365)
L2346234-56A	Amber 120ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8082-LVI(365)
L2346234-56B	Amber 120ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8082-LVI(365)

*Values in parentheses indicate holding time in days

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2346234
Project Number:	EE1705007.0032	**Report Date:**	09/06/23

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2346234
Project Number:	EE1705007.0032	**Report Date:**	09/06/23

Footnotes

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

Terms

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

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

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

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2346234
Project Number:	EE1705007.0032	**Report Date:**	09/06/23

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2346234
Project Number:	EE1705007.0032	**Report Date:**	09/06/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 6

Date Rec'd in Lab: 8/11/23

ALPHA Job #: L2346234

Client Information

Client: WSP USA
Address: 40 La Riviera Drive Buffalo NY
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information

Project Name: Loucks Road Extension
Project Location: East Syracuse, De Witt
Project #: EE170 5007.0032
(Use Project name as Project #) ☐
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

NY TCL-8260 (PCB)
TS
MS/MSD

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NY TCL-8260 (PCB)	TS	MS/MSD	Sample Specific Comments
46234-01	SB 26-Z 12-24	8/9/23	9:30	Soil	DB	/	/	X	MS / MSD
02	SB 26-Z 24-36	8/9/23	9:32	Soil	DB	/	/	X	HOLD MS/MSD
03	SB 24-Z 12-24	8/9/23	9:06	Soil	DB	/	/		
04	SB 24-Z 24-36	8/9/23	9:08	Soil	DB	/	/		HOLD
05	SB 23-Z 12-24	8/9/23	9:30	Soil	DB	/	/		
06	SB 23-Z 24-36	8/9/23	9:38	Soil	DB	/	/		HOLD
07	SB 21-Z 12-24	8/9/23	9:40	Soil	DB	/	/		
08	SB 21-Z 24-36	8/9/23	9:42	Soil	DB	/	/		HOLD
09	SB 20-Z 12-24	8/9/23	9:51	Soil	DB	/	/		
10	SB 20-Z 24-36	8/9/23	9:53	Soil	DB	/	/		HOLD

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P
Preservative	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	8/10/23 1200	Secure Storage	08/10/23 1200
Secure Storage	08/10/23 1428	AAL Ch Stelle	08/10/23 1428
Ch Stelle	08/10/23 1429		8/11/23 0110

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 6

Date Rec'd in Lab: 8/11/23

ALPHA Job #: L2346234

Client Information
Client: WSP USA
Address: 40 La Riviere Dr. Buffalo, NY
Phone: (720) 737-7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information
Project Name: Loucks Rd. Extension
Project Location: East Syracuse, Dewitt
Project #: EE1705007.0032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard: X
Rush (only if pre approved):
Due Date:
# of Days:

Deliverables
ASP-A: ASP-B:
EQuIS (1 File): EQuIS (4 File):
Other:

Regulatory Requirement
NY TOGS: NY Part 375:
AWQ Standards: NY CP-51:
NY Restricted Use: Other:
NY Unrestricted Use:
NYC Sewer Discharge:

Billing Information
Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
NJ: NY:
Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS
NYTCL-8082 (EDD)
TS

Sample Filtration
Done
Lab to do
Preservation
Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments
46234-09	SB20-2 12-24	8/9/23	9:51	Soil	DB	
10	SB20-2 24-36	8/9/23	9:53	Soil	DB	HOLD
11	SB19-2 12-24	8/9/23	10:04	Soil	DB	
12	SB19-2 24-36	8/9/23	10:06	Soil	DB	HOLD
13	SB22-2 12-24	8/9/23	10:10	Soil	DB	
14	SB22-2 24-36	8/9/23	10:12	Soil	DB	HOLD
15	SB18-2 12-24	8/9/23	10:20	Soil	DB	
16	SB18-2 24-36	8/9/23	10:22	Soil	DB	HOLD
17	SB16-2 12-24	8/9/23	11:00	Soil	DB	
18	SB16-2 24-36	8/9/23	11:02	Soil	DB	HOLD

Preservative Code: MW
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P
Preservative	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	8/10/23 1700	AAL Servwe Storage	08/10/23 1200
Servwe Storage	08/10/23 1428	AAL Chi Ahdle	08/10/23 1428
Chi Ahdle	08/10/23 1428		8/11/23 0110

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of 6

Date Rec'd in Lab: 8/11/23

ALPHA Job #: L2346234

Client Information
Client: WSP USA
Address: 40 La Riviere Dr. Buffalo, NY
Phone: (720) 737-7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information
Project Name: Louck's Road Extension
Project Location: East Syracuse, DeWitt
Project # EE170500 7.0032
(Use Project name as Project #) ☐
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8082 (PCB)	TS	Sample Specific Comments
46234-19	SB14-2 12-24	8/9/23	1108	Soil	DB	/	/	
20	SB14-2 24-36	8/9/23	1110	Soil	DB	/	/	HOLD
21	SB12-2 12-24	8/9/23	1115	Soil	DB	/	/	
22	SB12-2 24-36	8/9/23	1117	Soil	DB	/	/	HOLD
23	SB05-2 12-24	8/9/23	1120	Soil	DB	/	/	
24	SB05-2 24-36	8/9/23	1122	Soil	DB	/	/	HOLD
25	SB02-2 12-24	8/9/23	1130	Soil	DB	/	/	
26	SB02-2 24-36	8/9/23	1132	Soil	DB	/	/	HOLD
27	SB01-2 12-24	8/9/23	1142	Soil	DB	/	/	
28	SB01-2 24-36	8/9/23	1144	Soil	DB	/	/	HOLD

Preservative Code: MW
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P
Preservative	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	8/10/23 17:00	Seraine Stanaway	08/10/23 1200
Seraine Stanaway	08/10/23 1428	AAL Chi Hall	08/10/23 1428
Chi Hall	08/10/23 1428		8/11/23 0110

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 4 of 6

Date Rec'd in Lab: 8/11/23

ALPHA Job #: L2346234

Client Information
Client: WSP USA
Address: 40 La Riviere Dr. Buffalo, NY
Phone: (720) 737-7033
Fax:
Email: Drew.Bullinger@wsp.com

Project Information
Project Name: Lovk's Road Extension
Project Location: East Syracuse, DeWitt
Project # EE1705007.0832
(Use Project name as Project #) ☐
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8082(PCB)	TS	MS/MSD	Total Bottle	Sample Specific Comments
46234-29	SB03-2 12-24	8/9/23	11:50	Soil	DB	✓	✓			
30	SB03-2 24-36	8/9/23	11:52	Soil	DB	✓	✓			HOLD
31	SB04-2 12-24	8/9/23	13:08	Soil	DB	✓	✓			
32	SB04-2 24-36	8/9/23	13:10	Soil	DB	✓	✓			HOLD
33	SB04-2 12-24-Q	8/9/23	13:12	Soil	DB	✓	✓			
34	SB04-2 24-36-Q	8/9/23	13:14	Soil	DB	✓	✓			HOLD
35	SB06-2 12-24	8/9/23	13:18	Soil	DB	✓	✓			
36	SB06-2 24-36	8/9/23	13:20	Soil	DB	✓	✓			HOLD
37	SB08-2 12-24	8/9/23	13:38	Soil	DB	✓	✓	✓		MS/MSD
38	SB08-2 24-36	8/9/23	13:40	Soil	DB	✓	✓	✓		HOLD MS/MSD

Preservative Code: MW
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P							
Preservative	A	A							

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	8/10/23 12:00	Jeanne Stevens	08/10/23 1200
Jeanne Stevens	08/10/23 1428	AAL	08/10/23 1428
	08/10/23 1428		8/11/23 0110

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 5 of 6

Date Rec'd in Lab: 8/11/23

ALPHA Job #: L2346234

Client Information

Client: WSP USA
Address: 40 La Riviere Dr. Buffalo NY
Phone: (720) 737-7033
Fax:
Email: Drew.Bullinger@wsp.com

Project Information

Project Name: Loucks Road Extension
Project Location: East Syracuse, Dewitt
Project #: EE176500.7.0032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

NYTCL-8082 (Rush)
TS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total # Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8082 (Rush)	TS	Sample Specific Comments
46334-4139	SB07-Z 12-24	8/9/23	13:30	Soil	DB	✓	✓	
40 48	SB07-Z 24-36	8/9/23	13:32	Soil	DB	✓	✓	HOLD
41 43	SB09-Z 12-24	8/9/23	13:48	Soil	DB	✓	✓	
42 44	SB09-Z 24-36	8/9/23	13:50	Soil	DB	✓	✓	HOLD
43 45	SB10-Z 12-24	8/9/23	13:56	Soil	DB	✓	✓	
44 46	SB10-Z 24-36	8/9/23	13:58	Soil	DB	✓	✓	HOLD
45 47	SB11-Z 12-24	8/9/23	14:02	Soil	DB	✓	✓	
46 48	SB11-Z 24-36	8/9/23	14:04	Soil	DB	✓	✓	HOLD
47 49	SB13-Z 12-24	8/9/23	14:08	Soil	DB	✓	✓	
48 50	SB13-Z 24-36	8/9/23	14:10	Soil	DB	✓	✓	HOLD

Preservative Code: MW
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P									
Preservative	A	A									

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	8/10/23 12:00	Security Storage	08/10/23 1200
Security Storage	08/10/23 1428	LH. Cl. Atlb	08/10/23 1428
Cl. Atlb	08/10/23 1428		8/11/23 0110

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 6 of 6

Date Rec'd in Lab: 8/11/23

ALPHA Job #: L2346234

Client Information
Client: WSP USA
Address: 40 La Riviere Dr. Buffalo, NY
Phone: (720) 737-7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information
Project Name: Loucks Road Extension
Project Location: East Syracuse, Dewitt
Project # EE170.500 7.0032
(Use Project name as Project #) ☐
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NY TCL-8082 (28)	TS	Total Bottles	Sample Specific Comments
16234649	SB 15-2 0-2	8/9/23	14:33	Soil	DP	✓	✓		
50	SB 15-2 6-12	8/9/23	14:35	Soil	DB	✓	✓		
51	SB 15-2 0-2-Q	8/9/23	14:31	Soil	DB	✓	✓		
52	SB 15-2 12-24	8/9/23	14:37	Soil	DB	✓	✓		
53	SB 15-2 24-36	8/9/23	14:39	Soil	DB	✓	✓		HOLD
54	SB 17-2 12-24	8/9/23	14:50	Soil	DB	✓	✓		
55	SB 17-2 24-36	8/9/23	14:52	Soil	DB	✓	✓		HOLD
56	Rinsate Blank-08092023	8/9/23	15:00	Water	DB	✓			
MW									

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P											
Preservative	A	A											

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	8/10/23 1300	Secure Storage	08/10/23 1200
Secure Storage	08/10/23 1428	[illegible]	08/10/23 1428
[illegible]	08/10/23 1428		8/11/23 0110

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2356902
Client:	WSP 40 La Riviere Drive Suite 320 Buffalo, NY 14202
ATTN:	Drew Bullinger
Phone:	(716) 204-5880
Project Name:	LOUCKS RD EXTENSION
Project Number:	EE1705007.0032
Report Date:	10/06/23

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2356902-01	SB58-Z0-2	SOIL	DEWITT	09/26/23 10:54	09/27/23
L2356902-02	SB58-Z6-12	SOIL	DEWITT	09/26/23 10:56	09/27/23
L2356902-03	SB58-Z12-24	SOIL	DEWITT	09/26/23 10:58	09/27/23
L2356902-04	SB58-Z24-36	SOIL	DEWITT	09/26/23 11:00	09/27/23
L2356902-05	SB57-Z0-2	SOIL	DEWITT	09/26/23 11:56	09/27/23
L2356902-06	SB57-Z6-12	SOIL	DEWITT	09/26/23 11:58	09/27/23
L2356902-07	SB57-Z12-24	SOIL	DEWITT	09/26/23 12:00	09/27/23
L2356902-08	SB56-Z0-2	SOIL	DEWITT	09/26/23 12:33	09/27/23
L2356902-09	SB56-Z6-12	SOIL	DEWITT	09/26/23 12:35	09/27/23
L2356902-10	SB56-Z12-24	SOIL	DEWITT	09/26/23 12:37	09/27/23
L2356902-11	SB56-Z24-36	SOIL	DEWITT	09/26/23 12:39	09/27/23
L2356902-12	SB55-Z0-2	SOIL	DEWITT	09/26/23 13:24	09/27/23
L2356902-13	SB55-Z6-12	SOIL	DEWITT	09/26/23 13:26	09/27/23
L2356902-14	SB55-Z12-24	SOIL	DEWITT	09/26/23 13:28	09/27/23
L2356902-15	SB55-Z24-36	SOIL	DEWITT	09/26/23 13:30	09/27/23
L2356902-16	SB54-Z0-2	SOIL	DEWITT	09/26/23 14:02	09/27/23
L2356902-17	SB54-Z6-12	SOIL	DEWITT	09/26/23 14:04	09/27/23
L2356902-18	SB54-Z12-24	SOIL	DEWITT	09/26/23 14:06	09/27/23
L2356902-19	SB54-Z24-36	SOIL	DEWITT	09/26/23 14:08	09/27/23
L2356902-20	SB54-Z12-24-Q	SOIL	DEWITT	09/26/23 14:10	09/27/23
L2356902-21	SB53-Z0-2	SOIL	DEWITT	09/26/23 14:59	09/27/23
L2356902-22	SB53-Z6-12	SOIL	DEWITT	09/26/23 15:01	09/27/23
L2356902-23	SB53-Z12-24	SOIL	DEWITT	09/26/23 15:03	09/27/23
L2356902-24	SB53-Z24-36	SOIL	DEWITT	09/26/23 15:05	09/27/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2356902-25	SB52-Z0-2	SOIL	DEWITT	09/26/23 15:38	09/27/23
L2356902-26	SB52-Z6-12	SOIL	DEWITT	09/26/23 15:40	09/27/23
L2356902-27	SB52-Z12-24	SOIL	DEWITT	09/26/23 15:42	09/27/23
L2356902-28	SB52-Z24-36	SOIL	DEWITT	09/26/23 15:44	09/27/23
L2356902-29	SB51-Z0-2	SOIL	DEWITT	09/26/23 16:34	09/27/23
L2356902-30	SB51-Z0-2-Q	SOIL	DEWITT	09/26/23 16:40	09/27/23
L2356902-31	SB51-Z6-12	SOIL	DEWITT	09/26/23 16:36	09/27/23
L2356902-32	SB51-Z12-24	SOIL	DEWITT	09/26/23 16:38	09/27/23
L2356902-33	SB50-Z0-2	SOIL	DEWITT	09/26/23 17:16	09/27/23
L2356902-34	SB50-Z6-12	SOIL	DEWITT	09/26/23 17:18	09/27/23
L2356902-35	SB50-Z12-24	SOIL	DEWITT	09/26/23 17:20	09/27/23
L2356902-36	SB50-Z24-27	SOIL	DEWITT	09/26/23 17:22	09/27/23
L2356902-37	SB49-Z0-2	SOIL	DEWITT	09/26/23 18:04	09/27/23
L2356902-38	SB49-Z6-12	SOIL	DEWITT	09/26/23 18:06	09/27/23
L2356902-39	SB49-Z12-18	SOIL	DEWITT	09/26/23 18:08	09/27/23
L2356902-40	RINSTATE-09262023	WATER	DEWITT	09/26/23 18:15	09/27/23

Project Name:	LOUCKS RD EXTENSION	**Lab Number:**	L2356902
Project Number:	EE1705007.0032	**Report Date:**	10/06/23

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	LOUCKS RD EXTENSION	**Lab Number:**	L2356902
Project Number:	EE1705007.0032	**Report Date:**	10/06/23

Case Narrative (continued)

Report Submission

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

Sample Receipt

L2356902-32: The collection date and time on the chain of custody was 26-SEP-23 16:38; however, the collection date/time on the container label was 26-SEP-23 16:36. At the client's request, the collection date/time is reported as 26-SEP-23 16:38.

PCBs

L2356902-05D, -27D, -29D, and -30D: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%/0%) and decachlorobiphenyl (0%/0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

L2356902-40: The sample has elevated detection limits due to limited sample volume available for analysis.

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

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 10/06/23

ORGANICS

PCBS

Project Name: LOUCKS RD EXTENSION
Lab Number: L2356902
Project Number: EE1705007.0032
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-01
Client ID: SB58-Z0-2
Sample Location: DEWITT

Date Collected: 09/26/23 10:54
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/30/23 14:43
Analyst: LMR
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 20:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	63.4	5.63	1	A
Aroclor 1221	ND		ug/kg	63.4	6.36	1	A
Aroclor 1232	ND		ug/kg	63.4	13.4	1	A
Aroclor 1242	ND		ug/kg	63.4	8.55	1	A
Aroclor 1248	203		ug/kg	63.4	9.52	1	A
Aroclor 1254	ND		ug/kg	63.4	6.94	1	A
Aroclor 1260	ND		ug/kg	63.4	11.7	1	A
Aroclor 1262	ND		ug/kg	63.4	8.06	1	A
Aroclor 1268	ND		ug/kg	63.4	6.57	1	A
PCBs, Total	203		ug/kg	63.4	5.63	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: LOUCKS RD EXTENSION
Lab Number: L2356902
Project Number: EE1705007.0032
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-02 D
Client ID: SB58-Z6-12
Sample Location: DEWITT

Date Collected: 09/26/23 10:56
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/06/23 16:48
Analyst: MEO
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 20:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	322	28.6	5	A
Aroclor 1221	ND		ug/kg	322	32.3	5	A
Aroclor 1232	ND		ug/kg	322	68.3	5	A
Aroclor 1242	ND		ug/kg	322	43.4	5	A
Aroclor 1248	1850		ug/kg	322	48.3	5	B
Aroclor 1254	ND		ug/kg	322	35.2	5	A
Aroclor 1260	ND		ug/kg	322	59.5	5	A
Aroclor 1262	ND		ug/kg	322	40.9	5	A
Aroclor 1268	ND		ug/kg	322	33.4	5	A
PCBs, Total	1850		ug/kg	322	28.6	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2356902

Project Number: EE1705007.0032 **Report Date:** 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-03
Client ID: SB58-Z12-24
Sample Location: DEWITT

Date Collected: 09/26/23 10:58
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/30/23 14:59
Analyst: LMR
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 20:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.0	5.06	1	A
Aroclor 1221	ND		ug/kg	57.0	5.72	1	A
Aroclor 1232	ND		ug/kg	57.0	12.1	1	A
Aroclor 1242	ND		ug/kg	57.0	7.69	1	A
Aroclor 1248	67.4		ug/kg	57.0	8.56	1	B
Aroclor 1254	ND		ug/kg	57.0	6.24	1	A
Aroclor 1260	ND		ug/kg	57.0	10.5	1	A
Aroclor 1262	ND		ug/kg	57.0	7.24	1	A
Aroclor 1268	ND		ug/kg	57.0	5.91	1	A
PCBs, Total	67.4		ug/kg	57.0	5.06	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2356902

Project Number: EE1705007.0032 **Report Date:** 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-05 D
Client ID: SB57-Z0-2
Sample Location: DEWITT

Date Collected: 09/26/23 11:56
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/02/23 11:55
Analyst: ENT
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 20:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1190	106.	20	A
Aroclor 1221	ND		ug/kg	1190	119.	20	A
Aroclor 1232	ND		ug/kg	1190	252.	20	A
Aroclor 1242	ND		ug/kg	1190	160.	20	A
Aroclor 1248	3080		ug/kg	1190	179.	20	A
Aroclor 1254	ND		ug/kg	1190	130.	20	A
Aroclor 1260	ND		ug/kg	1190	220.	20	A
Aroclor 1262	ND		ug/kg	1190	151.	20	A
Aroclor 1268	ND		ug/kg	1190	123.	20	A
PCBs, Total	3080		ug/kg	1190	106.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2356902

Project Number: EE1705007.0032 **Report Date:** 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-06
Client ID: SB57-Z6-12
Sample Location: DEWITT

Date Collected: 09/26/23 11:58
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/30/23 15:15
Analyst: LMR
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 20:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.4	4.83	1	A
Aroclor 1221	ND		ug/kg	54.4	5.45	1	A
Aroclor 1232	ND		ug/kg	54.4	11.5	1	A
Aroclor 1242	ND		ug/kg	54.4	7.33	1	A
Aroclor 1248	83.2		ug/kg	54.4	8.16	1	A
Aroclor 1254	ND		ug/kg	54.4	5.95	1	A
Aroclor 1260	ND		ug/kg	54.4	10.0	1	A
Aroclor 1262	ND		ug/kg	54.4	6.91	1	A
Aroclor 1268	ND		ug/kg	54.4	5.63	1	A
PCBs, Total	83.2		ug/kg	54.4	4.83	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2356902

Project Number: EE1705007.0032 **Report Date:** 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-07
Client ID: SB57-Z12-24
Sample Location: DEWITT

Date Collected: 09/26/23 12:00
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/30/23 15:23
Analyst: LMR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 20:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.5	4.84	1	A
Aroclor 1221	ND		ug/kg	54.5	5.46	1	A
Aroclor 1232	ND		ug/kg	54.5	11.6	1	A
Aroclor 1242	ND		ug/kg	54.5	7.35	1	A
Aroclor 1248	17.7	J	ug/kg	54.5	8.18	1	B
Aroclor 1254	ND		ug/kg	54.5	5.97	1	A
Aroclor 1260	ND		ug/kg	54.5	10.1	1	A
Aroclor 1262	ND		ug/kg	54.5	6.93	1	A
Aroclor 1268	ND		ug/kg	54.5	5.65	1	A
PCBs, Total	17.7	J	ug/kg	54.5	4.84	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2356902

Project Number: EE1705007.0032 **Report Date:** 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-08
Client ID: SB56-Z0-2
Sample Location: DEWITT

Date Collected: 09/26/23 12:33
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/30/23 15:31
Analyst: LMR
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 20:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	63.0	5.60	1	A
Aroclor 1221	ND		ug/kg	63.0	6.32	1	A
Aroclor 1232	ND		ug/kg	63.0	13.4	1	A
Aroclor 1242	ND		ug/kg	63.0	8.50	1	A
Aroclor 1248	1240		ug/kg	63.0	9.46	1	A
Aroclor 1254	ND	I	ug/kg	63.0	6.90	1	B
Aroclor 1260	ND		ug/kg	63.0	11.6	1	A
Aroclor 1262	ND		ug/kg	63.0	8.01	1	A
Aroclor 1268	ND		ug/kg	63.0	6.53	1	A
PCBs, Total	1240		ug/kg	63.0	5.60	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: LOUCKS RD EXTENSION
Lab Number: L2356902
Project Number: EE1705007.0032
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-08 D
Client ID: SB56-Z0-2
Sample Location: DEWITT

Date Collected: 09/26/23 12:33
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/06/23 16:40
Analyst: MEO
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 20:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	315	28.0	5	A
Aroclor 1221	ND		ug/kg	315	31.6	5	A
Aroclor 1232	ND		ug/kg	315	66.8	5	A
Aroclor 1242	ND		ug/kg	315	42.5	5	A
Aroclor 1248	1380		ug/kg	315	47.3	5	A
Aroclor 1254	ND		ug/kg	315	34.5	5	A
Aroclor 1260	ND		ug/kg	315	58.2	5	A
Aroclor 1262	ND		ug/kg	315	40.0	5	A
Aroclor 1268	ND		ug/kg	315	32.6	5	A
PCBs, Total	1380		ug/kg	63.0	5.60	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2356902

Project Number: EE1705007.0032 **Report Date:** 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-09
Client ID: SB56-Z6-12
Sample Location: DEWITT

Date Collected: 09/26/23 12:35
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/30/23 15:39
Analyst: LMR
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 20:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.4	5.09	1	A
Aroclor 1221	ND		ug/kg	57.4	5.75	1	A
Aroclor 1232	ND		ug/kg	57.4	12.2	1	A
Aroclor 1242	ND		ug/kg	57.4	7.73	1	A
Aroclor 1248	126		ug/kg	57.4	8.60	1	B
Aroclor 1254	ND		ug/kg	57.4	6.27	1	A
Aroclor 1260	ND		ug/kg	57.4	10.6	1	A
Aroclor 1262	ND		ug/kg	57.4	7.28	1	A
Aroclor 1268	ND		ug/kg	57.4	5.94	1	A
PCBs, Total	126		ug/kg	57.4	5.09	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2356902

Project Number: EE1705007.0032 **Report Date:** 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-10
Client ID: SB56-Z12-24
Sample Location: DEWITT

Date Collected: 09/26/23 12:37
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/30/23 15:47
Analyst: LMR
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 20:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.9	5.14	1	A
Aroclor 1221	ND		ug/kg	57.9	5.80	1	A
Aroclor 1232	ND		ug/kg	57.9	12.3	1	A
Aroclor 1242	ND		ug/kg	57.9	7.80	1	A
Aroclor 1248	12.2	J	ug/kg	57.9	8.68	1	A
Aroclor 1254	ND		ug/kg	57.9	6.33	1	A
Aroclor 1260	ND		ug/kg	57.9	10.7	1	A
Aroclor 1262	ND		ug/kg	57.9	7.35	1	A
Aroclor 1268	ND		ug/kg	57.9	5.99	1	A
PCBs, Total	12.2	J	ug/kg	57.9	5.14	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2356902

Project Number: EE1705007.0032 **Report Date:** 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-12 D
Client ID: SB55-Z0-2
Sample Location: DEWITT

Date Collected: 09/26/23 13:24
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/03/23 17:43
Analyst: MHG
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 20:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	320	28.4	5	A
Aroclor 1221	ND		ug/kg	320	32.1	5	A
Aroclor 1232	ND		ug/kg	320	67.9	5	A
Aroclor 1242	ND		ug/kg	320	43.2	5	A
Aroclor 1248	2110		ug/kg	320	48.0	5	B
Aroclor 1254	ND		ug/kg	320	35.0	5	A
Aroclor 1260	ND		ug/kg	320	59.2	5	A
Aroclor 1262	ND		ug/kg	320	40.7	5	A
Aroclor 1268	ND		ug/kg	320	33.2	5	A
PCBs, Total	2110		ug/kg	320	28.4	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2356902

Project Number: EE1705007.0032 **Report Date:** 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-13
Client ID: SB55-Z6-12
Sample Location: DEWITT

Date Collected: 09/26/23 13:26
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/30/23 16:03
Analyst: LMR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 20:48
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.9	4.79	1	A
Aroclor 1221	ND		ug/kg	53.9	5.40	1	A
Aroclor 1232	ND		ug/kg	53.9	11.4	1	A
Aroclor 1242	ND		ug/kg	53.9	7.27	1	A
Aroclor 1248	356		ug/kg	53.9	8.09	1	B
Aroclor 1254	ND		ug/kg	53.9	5.90	1	A
Aroclor 1260	ND		ug/kg	53.9	9.97	1	A
Aroclor 1262	ND		ug/kg	53.9	6.85	1	A
Aroclor 1268	ND		ug/kg	53.9	5.59	1	A
PCBs, Total	356		ug/kg	53.9	4.79	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2356902

Project Number: EE1705007.0032 **Report Date:** 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-14
Client ID: SB55-Z12-24
Sample Location: DEWITT

Date Collected: 09/26/23 13:28
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/30/23 16:11
Analyst: LMR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 20:48
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.5	4.84	1	A
Aroclor 1221	ND		ug/kg	54.5	5.46	1	A
Aroclor 1232	ND		ug/kg	54.5	11.6	1	A
Aroclor 1242	ND		ug/kg	54.5	7.35	1	A
Aroclor 1248	117		ug/kg	54.5	8.18	1	A
Aroclor 1254	ND		ug/kg	54.5	5.96	1	A
Aroclor 1260	ND		ug/kg	54.5	10.1	1	A
Aroclor 1262	ND		ug/kg	54.5	6.92	1	A
Aroclor 1268	ND		ug/kg	54.5	5.65	1	A
PCBs, Total	117		ug/kg	54.5	4.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-16 D
Client ID: SB54-Z0-2
Sample Location: DEWITT

Date Collected: 09/26/23 14:02
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/06/23 16:32
Analyst: MEO
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 20:48
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	307	27.2	5	A
Aroclor 1221	ND		ug/kg	307	30.8	5	A
Aroclor 1232	ND		ug/kg	307	65.1	5	A
Aroclor 1242	ND		ug/kg	307	41.4	5	A
Aroclor 1248	1530		ug/kg	307	46.0	5	A
Aroclor 1254	ND		ug/kg	307	33.6	5	A
Aroclor 1260	ND		ug/kg	307	56.7	5	A
Aroclor 1262	ND		ug/kg	307	39.0	5	A
Aroclor 1268	ND		ug/kg	307	31.8	5	A
PCBs, Total	1530		ug/kg	307	27.2	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2356902

Project Number: EE1705007.0032 **Report Date:** 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-17
Client ID: SB54-Z6-12
Sample Location: DEWITT

Date Collected: 09/26/23 14:04
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/30/23 17:23
Analyst: LMR
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 20:48
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.6	4.93	1	A
Aroclor 1221	ND		ug/kg	55.6	5.57	1	A
Aroclor 1232	ND		ug/kg	55.6	11.8	1	A
Aroclor 1242	ND		ug/kg	55.6	7.49	1	A
Aroclor 1248	35.0	J	ug/kg	55.6	8.33	1	A
Aroclor 1254	ND		ug/kg	55.6	6.08	1	A
Aroclor 1260	ND		ug/kg	55.6	10.3	1	A
Aroclor 1262	ND		ug/kg	55.6	7.06	1	A
Aroclor 1268	ND		ug/kg	55.6	5.76	1	A
PCBs, Total	35.0	J	ug/kg	55.6	4.93	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2356902

Project Number: EE1705007.0032 **Report Date:** 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-18
Client ID: SB54-Z12-24
Sample Location: DEWITT

Date Collected: 09/26/23 14:06
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/30/23 16:27
Analyst: LMR
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 20:48
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.7	5.21	1	A
Aroclor 1221	ND		ug/kg	58.7	5.88	1	A
Aroclor 1232	ND		ug/kg	58.7	12.4	1	A
Aroclor 1242	ND		ug/kg	58.7	7.92	1	A
Aroclor 1248	33.4	J	ug/kg	58.7	8.81	1	B
Aroclor 1254	ND		ug/kg	58.7	6.42	1	A
Aroclor 1260	ND		ug/kg	58.7	10.8	1	A
Aroclor 1262	ND		ug/kg	58.7	7.46	1	A
Aroclor 1268	ND		ug/kg	58.7	6.08	1	A
PCBs, Total	33.4	J	ug/kg	58.7	5.21	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-20
Client ID: SB54-Z12-24-Q
Sample Location: DEWITT

Date Collected: 09/26/23 14:10
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/30/23 16:35
Analyst: LMR
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 20:48
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	59.5	5.28	1	A
Aroclor 1221	ND		ug/kg	59.5	5.96	1	A
Aroclor 1232	ND		ug/kg	59.5	12.6	1	A
Aroclor 1242	ND		ug/kg	59.5	8.02	1	A
Aroclor 1248	36.8	J	ug/kg	59.5	8.92	1	A
Aroclor 1254	ND		ug/kg	59.5	6.50	1	A
Aroclor 1260	ND		ug/kg	59.5	11.0	1	A
Aroclor 1262	ND		ug/kg	59.5	7.55	1	A
Aroclor 1268	ND		ug/kg	59.5	6.16	1	A
PCBs, Total	36.8	J	ug/kg	59.5	5.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2356902

Project Number: EE1705007.0032 **Report Date:** 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-21
Client ID: SB53-Z0-2
Sample Location: DEWITT

Date Collected: 09/26/23 14:59
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/30/23 16:43
Analyst: LMR
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 20:48
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	66.6	5.91	1	A
Aroclor 1221	ND		ug/kg	66.6	6.67	1	A
Aroclor 1232	ND		ug/kg	66.6	14.1	1	A
Aroclor 1242	ND		ug/kg	66.6	8.97	1	A
Aroclor 1248	937		ug/kg	66.6	9.98	1	B
Aroclor 1254	ND		ug/kg	66.6	7.28	1	A
Aroclor 1260	ND		ug/kg	66.6	12.3	1	A
Aroclor 1262	ND		ug/kg	66.6	8.45	1	A
Aroclor 1268	ND		ug/kg	66.6	6.90	1	A
PCBs, Total	937		ug/kg	66.6	5.91	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2356902

Project Number: EE1705007.0032 **Report Date:** 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-22
Client ID: SB53-Z6-12
Sample Location: DEWITT

Date Collected: 09/26/23 15:01
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/30/23 17:47
Analyst: LMR
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 20:48
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	61.2	5.43	1	A
Aroclor 1221	ND		ug/kg	61.2	6.13	1	A
Aroclor 1232	ND		ug/kg	61.2	13.0	1	A
Aroclor 1242	ND		ug/kg	61.2	8.25	1	A
Aroclor 1248	219		ug/kg	61.2	9.18	1	B
Aroclor 1254	ND		ug/kg	61.2	6.70	1	A
Aroclor 1260	ND		ug/kg	61.2	11.3	1	A
Aroclor 1262	ND		ug/kg	61.2	7.77	1	A
Aroclor 1268	ND		ug/kg	61.2	6.34	1	A
PCBs, Total	219		ug/kg	61.2	5.43	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-23
Client ID: SB53-Z12-24
Sample Location: DEWITT

Date Collected: 09/26/23 15:03
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/30/23 17:55
Analyst: LMR
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 20:48
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	59.0	5.24	1	A
Aroclor 1221	ND		ug/kg	59.0	5.91	1	A
Aroclor 1232	ND		ug/kg	59.0	12.5	1	A
Aroclor 1242	ND		ug/kg	59.0	7.95	1	A
Aroclor 1248	14.0	J	ug/kg	59.0	8.85	1	A
Aroclor 1254	ND		ug/kg	59.0	6.45	1	A
Aroclor 1260	ND		ug/kg	59.0	10.9	1	A
Aroclor 1262	ND		ug/kg	59.0	7.49	1	A
Aroclor 1268	ND		ug/kg	59.0	6.11	1	A
PCBs, Total	14.0	J	ug/kg	59.0	5.24	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: LOUCKS RD EXTENSION
Lab Number: L2356902
Project Number: EE1705007.0032
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-25 D
Client ID: SB52-Z0-2
Sample Location: DEWITT

Date Collected: 09/26/23 15:38
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/02/23 11:45
Analyst: ENT
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 20:48
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	290	25.7	5	A
Aroclor 1221	ND		ug/kg	290	29.0	5	A
Aroclor 1232	ND		ug/kg	290	61.4	5	A
Aroclor 1242	ND		ug/kg	290	39.1	5	A
Aroclor 1248	2840		ug/kg	290	43.5	5	A
Aroclor 1254	ND		ug/kg	290	31.7	5	A
Aroclor 1260	ND		ug/kg	290	53.6	5	A
Aroclor 1262	ND		ug/kg	290	36.8	5	A
Aroclor 1268	ND		ug/kg	290	30.0	5	A
PCBs, Total	2840		ug/kg	290	25.7	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-26 D
Client ID: SB52-Z6-12
Sample Location: DEWITT

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/30/23 15:25
Analyst: MEO
Percent Solids: 86%

Date Collected: 09/26/23 15:40
Date Received: 09/27/23
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 09/29/23 21:41
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	278	24.7	5	A
Aroclor 1221	ND		ug/kg	278	27.8	5	A
Aroclor 1232	ND		ug/kg	278	58.9	5	A
Aroclor 1242	ND		ug/kg	278	37.4	5	A
Aroclor 1248	2990		ug/kg	278	41.7	5	A
Aroclor 1254	ND		ug/kg	278	30.4	5	A
Aroclor 1260	ND		ug/kg	278	51.4	5	A
Aroclor 1262	ND		ug/kg	278	35.3	5	A
Aroclor 1268	ND		ug/kg	278	28.8	5	A
PCBs, Total	2990		ug/kg	278	24.7	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: LOUCKS RD EXTENSION
Lab Number: L2356902
Project Number: EE1705007.0032
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-27 D
Client ID: SB52-Z12-24
Sample Location: DEWITT

Date Collected: 09/26/23 15:42
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/30/23 15:33
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 21:41
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1160	103.	20	A
Aroclor 1221	ND		ug/kg	1160	116.	20	A
Aroclor 1232	ND		ug/kg	1160	245.	20	A
Aroclor 1242	ND		ug/kg	1160	156.	20	A
Aroclor 1248	4610		ug/kg	1160	173.	20	A
Aroclor 1254	ND		ug/kg	1160	126.	20	A
Aroclor 1260	ND		ug/kg	1160	214.	20	A
Aroclor 1262	ND		ug/kg	1160	147.	20	A
Aroclor 1268	ND		ug/kg	1160	120.	20	A
PCBs, Total	4610		ug/kg	1160	103.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2356902

Project Number: EE1705007.0032 **Report Date:** 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-29 D
Client ID: SB51-Z0-2
Sample Location: DEWITT

Date Collected: 09/26/23 16:34
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/30/23 15:42
Analyst: MEO
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 21:41
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1120	99.6	20	A
Aroclor 1221	ND		ug/kg	1120	112.	20	A
Aroclor 1232	ND		ug/kg	1120	238.	20	A
Aroclor 1242	ND		ug/kg	1120	151.	20	A
Aroclor 1248	5730		ug/kg	1120	168.	20	A
Aroclor 1254	ND		ug/kg	1120	123.	20	A
Aroclor 1260	ND		ug/kg	1120	207.	20	A
Aroclor 1262	ND		ug/kg	1120	142.	20	A
Aroclor 1268	ND		ug/kg	1120	116.	20	A
PCBs, Total	5730		ug/kg	1120	99.6	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-30 D
Client ID: SB51-Z0-2-Q
Sample Location: DEWITT

Date Collected: 09/26/23 16:40
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/30/23 15:50
Analyst: MEO
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 09/29/23 21:41
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1160	103.	20	A
Aroclor 1221	ND		ug/kg	1160	116.	20	A
Aroclor 1232	ND		ug/kg	1160	245.	20	A
Aroclor 1242	ND		ug/kg	1160	156.	20	A
Aroclor 1248	5370		ug/kg	1160	173.	20	A
Aroclor 1254	ND		ug/kg	1160	126.	20	A
Aroclor 1260	ND		ug/kg	1160	214.	20	A
Aroclor 1262	ND		ug/kg	1160	147.	20	A
Aroclor 1268	ND		ug/kg	1160	120.	20	A
PCBs, Total	5370		ug/kg	1160	103.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2356902

Project Number: EE1705007.0032 **Report Date:** 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-31
Client ID: SB51-Z6-12
Sample Location: DEWITT

Date Collected: 09/26/23 16:36
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/03/23 11:11
Analyst: MEO
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 10/02/23 14:02
Cleanup Method: EPA 3665A
Cleanup Date: 10/02/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.3	5.09	1	A
Aroclor 1221	ND		ug/kg	57.3	5.74	1	A
Aroclor 1232	ND		ug/kg	57.3	12.1	1	A
Aroclor 1242	ND		ug/kg	57.3	7.72	1	A
Aroclor 1248	560		ug/kg	57.3	8.59	1	A
Aroclor 1254	ND		ug/kg	57.3	6.26	1	A
Aroclor 1260	ND		ug/kg	57.3	10.6	1	A
Aroclor 1262	ND		ug/kg	57.3	7.27	1	A
Aroclor 1268	ND		ug/kg	57.3	5.93	1	A
PCBs, Total	560		ug/kg	57.3	5.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2356902

Project Number: EE1705007.0032 **Report Date:** 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-32
Client ID: SB51-Z12-24
Sample Location: DEWITT

Date Collected: 09/26/23 16:38
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/03/23 10:54
Analyst: MEO
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 10/02/23 14:02
Cleanup Method: EPA 3665A
Cleanup Date: 10/02/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	60.6	5.38	1	A
Aroclor 1221	ND		ug/kg	60.6	6.08	1	A
Aroclor 1232	ND		ug/kg	60.6	12.8	1	A
Aroclor 1242	ND		ug/kg	60.6	8.18	1	A
Aroclor 1248	419		ug/kg	60.6	9.10	1	A
Aroclor 1254	ND		ug/kg	60.6	6.64	1	A
Aroclor 1260	ND		ug/kg	60.6	11.2	1	A
Aroclor 1262	ND		ug/kg	60.6	7.70	1	A
Aroclor 1268	ND		ug/kg	60.6	6.28	1	A
PCBs, Total	419		ug/kg	60.6	5.38	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2356902

Project Number: EE1705007.0032 **Report Date:** 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-33 D
Client ID: SB50-Z0-2
Sample Location: DEWITT

Date Collected: 09/26/23 17:16
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/03/23 11:27
Analyst: ENT
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 10/02/23 14:02
Cleanup Method: EPA 3665A
Cleanup Date: 10/03/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	314	27.9	5	A
Aroclor 1221	ND		ug/kg	314	31.5	5	A
Aroclor 1232	ND		ug/kg	314	66.6	5	A
Aroclor 1242	ND		ug/kg	314	42.4	5	A
Aroclor 1248	2920		ug/kg	314	47.2	5	B
Aroclor 1254	ND		ug/kg	314	34.4	5	A
Aroclor 1260	ND		ug/kg	314	58.1	5	A
Aroclor 1262	ND		ug/kg	314	39.9	5	A
Aroclor 1268	ND		ug/kg	314	32.6	5	A
PCBs, Total	2920		ug/kg	314	27.9	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2356902

Project Number: EE1705007.0032 **Report Date:** 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-34
Client ID: SB50-Z6-12
Sample Location: DEWITT

Date Collected: 09/26/23 17:18
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/03/23 11:19
Analyst: ENT
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/02/23 14:02
Cleanup Method: EPA 3665A
Cleanup Date: 10/03/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.8	4.78	1	A
Aroclor 1221	ND		ug/kg	53.8	5.39	1	A
Aroclor 1232	ND		ug/kg	53.8	11.4	1	A
Aroclor 1242	ND		ug/kg	53.8	7.26	1	A
Aroclor 1248	173		ug/kg	53.8	8.07	1	B
Aroclor 1254	ND		ug/kg	53.8	5.89	1	A
Aroclor 1260	ND		ug/kg	53.8	9.95	1	A
Aroclor 1262	ND		ug/kg	53.8	6.84	1	A
Aroclor 1268	ND		ug/kg	53.8	5.58	1	A
PCBs, Total	173		ug/kg	53.8	4.78	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2356902

Project Number: EE1705007.0032 **Report Date:** 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-35
Client ID: SB50-Z12-24
Sample Location: DEWITT

Date Collected: 09/26/23 17:20
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/03/23 10:20
Analyst: MEO
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 10/02/23 14:02
Cleanup Method: EPA 3665A
Cleanup Date: 10/02/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	62.6	5.56	1	A
Aroclor 1221	ND		ug/kg	62.6	6.28	1	A
Aroclor 1232	ND		ug/kg	62.6	13.3	1	A
Aroclor 1242	ND		ug/kg	62.6	8.44	1	A
Aroclor 1248	77.7		ug/kg	62.6	9.40	1	A
Aroclor 1254	ND		ug/kg	62.6	6.85	1	A
Aroclor 1260	ND		ug/kg	62.6	11.6	1	A
Aroclor 1262	ND		ug/kg	62.6	7.96	1	A
Aroclor 1268	ND		ug/kg	62.6	6.49	1	A
PCBs, Total	77.7		ug/kg	62.6	5.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	39		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2356902

Project Number: EE1705007.0032 **Report Date:** 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-37
Client ID: SB49-Z0-2
Sample Location: DEWITT

Date Collected: 09/26/23 18:04
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/03/23 11:02
Analyst: MEO
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 10/02/23 14:02
Cleanup Method: EPA 3665A
Cleanup Date: 10/02/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.7	5.21	1	A
Aroclor 1221	ND		ug/kg	58.7	5.88	1	A
Aroclor 1232	ND		ug/kg	58.7	12.4	1	A
Aroclor 1242	ND		ug/kg	58.7	7.91	1	A
Aroclor 1248	149		ug/kg	58.7	8.80	1	A
Aroclor 1254	ND		ug/kg	58.7	6.42	1	A
Aroclor 1260	ND		ug/kg	58.7	10.8	1	A
Aroclor 1262	ND		ug/kg	58.7	7.45	1	A
Aroclor 1268	15.7	J	ug/kg	58.7	6.08	1	A
PCBs, Total	165	J	ug/kg	58.7	5.21	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: LOUCKS RD EXTENSION
Lab Number: L2356902
Project Number: EE1705007.0032
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-38
Client ID: SB49-Z6-12
Sample Location: DEWITT

Date Collected: 09/26/23 18:06
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/03/23 11:11
Analyst: ENT
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 10/02/23 14:02
Cleanup Method: EPA 3665A
Cleanup Date: 10/03/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.9	4.88	1	A
Aroclor 1221	ND		ug/kg	54.9	5.50	1	A
Aroclor 1232	ND		ug/kg	54.9	11.6	1	A
Aroclor 1242	ND		ug/kg	54.9	7.40	1	A
Aroclor 1248	40.7	J	ug/kg	54.9	8.24	1	B
Aroclor 1254	49.6	J	ug/kg	54.9	6.01	1	B
Aroclor 1260	16.3	J	ug/kg	54.9	10.1	1	B
Aroclor 1262	ND		ug/kg	54.9	6.97	1	A
Aroclor 1268	ND		ug/kg	54.9	5.69	1	A
PCBs, Total	107	J	ug/kg	54.9	4.88	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: LOUCKS RD EXTENSION
Lab Number: L2356902
Project Number: EE1705007.0032
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-39
Client ID: SB49-Z12-18
Sample Location: DEWITT

Date Collected: 09/26/23 18:08
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/03/23 11:03
Analyst: ENT
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 10/02/23 14:02
Cleanup Method: EPA 3665A
Cleanup Date: 10/03/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.6	4.94	1	A
Aroclor 1221	ND		ug/kg	55.6	5.57	1	A
Aroclor 1232	ND		ug/kg	55.6	11.8	1	A
Aroclor 1242	ND		ug/kg	55.6	7.49	1	A
Aroclor 1248	28.1	J	ug/kg	55.6	8.34	1	B
Aroclor 1254	29.3	J	ug/kg	55.6	6.08	1	B
Aroclor 1260	13.4	J	ug/kg	55.6	10.3	1	B
Aroclor 1262	ND		ug/kg	55.6	7.06	1	A
Aroclor 1268	ND		ug/kg	55.6	5.76	1	A
PCBs, Total	70.8	J	ug/kg	55.6	4.94	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-40
Client ID: RINSTATE-09262023
Sample Location: DEWITT

Date Collected: 09/26/23 18:15
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/06/23 14:22
Analyst: LMR

Extraction Method: EPA 3510C
Extraction Date: 10/05/23 07:28
Cleanup Method: EPA 3665A
Cleanup Date: 10/05/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/05/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.100	0.086	1	A
Aroclor 1221	ND		ug/l	0.100	0.086	1	A
Aroclor 1232	ND		ug/l	0.100	0.086	1	A
Aroclor 1242	ND		ug/l	0.100	0.086	1	A
Aroclor 1248	ND		ug/l	0.100	0.086	1	A
Aroclor 1254	ND		ug/l	0.100	0.086	1	A
Aroclor 1260	ND		ug/l	0.100	0.086	1	A
Aroclor 1262	ND		ug/l	0.100	0.086	1	A
Aroclor 1268	ND		ug/l	0.100	0.086	1	A
PCBs, Total	ND		ug/l	0.100	0.086	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2356902

Project Number: EE1705007.0032 **Report Date:** 10/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/30/23 16:51
Analyst: ENT

Extraction Method: EPA 3546
Extraction Date: 09/29/23 20:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03,05-10,12-14,16-18,20-23,25 Batch: WG1833926-1						
Aroclor 1016	ND		ug/kg	47.6	4.22	A
Aroclor 1221	ND		ug/kg	47.6	4.77	A
Aroclor 1232	ND		ug/kg	47.6	10.1	A
Aroclor 1242	ND		ug/kg	47.6	6.41	A
Aroclor 1248	ND		ug/kg	47.6	7.14	A
Aroclor 1254	ND		ug/kg	47.6	5.20	A
Aroclor 1260	ND		ug/kg	47.6	8.79	A
Aroclor 1262	ND		ug/kg	47.6	6.04	A
Aroclor 1268	ND		ug/kg	47.6	4.93	A
PCBs, Total	ND		ug/kg	47.6	4.22	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2356902
Report Date: 10/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/30/23 12:51
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 09/29/23 21:41
Cleanup Method: EPA 3665A
Cleanup Date: 09/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 26-27,29-30 Batch: WG1833933-1						
Aroclor 1016	ND		ug/kg	48.8	4.33	A
Aroclor 1221	ND		ug/kg	48.8	4.89	A
Aroclor 1232	ND		ug/kg	48.8	10.3	A
Aroclor 1242	ND		ug/kg	48.8	6.58	A
Aroclor 1248	ND		ug/kg	48.8	7.32	A
Aroclor 1254	ND		ug/kg	48.8	5.34	A
Aroclor 1260	ND		ug/kg	48.8	9.01	A
Aroclor 1262	ND		ug/kg	48.8	6.20	A
Aroclor 1268	ND		ug/kg	48.8	5.05	A
PCBs, Total	ND		ug/kg	48.8	4.33	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2356902
Report Date: 10/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/03/23 09:55
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 10/02/23 14:02
Cleanup Method: EPA 3665A
Cleanup Date: 10/02/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 31-35,37-39 Batch: WG1834611-1						
Aroclor 1016	ND		ug/kg	45.9	4.07	A
Aroclor 1221	ND		ug/kg	45.9	4.60	A
Aroclor 1232	ND		ug/kg	45.9	9.72	A
Aroclor 1242	ND		ug/kg	45.9	6.18	A
Aroclor 1248	ND		ug/kg	45.9	6.88	A
Aroclor 1254	ND		ug/kg	45.9	5.02	A
Aroclor 1260	ND		ug/kg	45.9	8.48	A
Aroclor 1262	ND		ug/kg	45.9	5.82	A
Aroclor 1268	ND		ug/kg	45.9	4.75	A
PCBs, Total	ND		ug/kg	45.9	4.07	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	39		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	40		30-150	B
Decachlorobiphenyl	37		30-150	B

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2356902
Report Date: 10/06/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/06/23 09:21
Analyst: LMR

Extraction Method: EPA 3510C
Extraction Date: 10/05/23 07:28
Cleanup Method: EPA 3665A
Cleanup Date: 10/05/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/05/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 40 Batch: WG1835853-1						
Aroclor 1016	ND		ug/l	0.036	0.031	A
Aroclor 1221	ND		ug/l	0.036	0.031	A
Aroclor 1232	ND		ug/l	0.036	0.031	A
Aroclor 1242	ND		ug/l	0.036	0.031	A
Aroclor 1248	ND		ug/l	0.036	0.031	A
Aroclor 1254	ND		ug/l	0.036	0.031	A
Aroclor 1260	ND		ug/l	0.036	0.031	A
Aroclor 1262	ND		ug/l	0.036	0.031	A
Aroclor 1268	ND		ug/l	0.036	0.031	A
PCBs, Total	ND		ug/l	0.036	0.031	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	85		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS RD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2356902

Report Date: 10/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03,05-10,12-14,16-18,20-23,25 Batch: WG1833926-2 WG1833926-3									
Aroclor 1016	85		80		40-140	6		50	A
Aroclor 1260	80		78		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		75		30-150	A
Decachlorobiphenyl	83		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		77		30-150	B
Decachlorobiphenyl	88		85		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS RD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2356902

Report Date: 10/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 26-27,29-30 Batch: WG1833933-2 WG1833933-3									
Aroclor 1016	79		81		40-140	3		50	A
Aroclor 1260	75		76		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		80		30-150	A
Decachlorobiphenyl	71		70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		81		30-150	B
Decachlorobiphenyl	73		72		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS RD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2356902

Report Date: 10/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 31-35,37-39 Batch: WG1834611-2 WG1834611-3									
Aroclor 1016	73		73		40-140	0		50	A
Aroclor 1260	64		65		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		76		30-150	A
Decachlorobiphenyl	73		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		77		30-150	B
Decachlorobiphenyl	68		67		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS RD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2356902

Report Date: 10/06/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 40 Batch: WG1835853-2 WG1835853-3									
Aroclor 1016	64		75		40-140	15		50	A
Aroclor 1260	59		72		40-140	19		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		74		30-150	A
Decachlorobiphenyl	67		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		71		30-150	B
Decachlorobiphenyl	75		85		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: LOUCKS RD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2356902

Report Date: 10/06/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03,05-10,12-14,16-18,20-23,25 QC Batch ID: WG1833926-4 WG1833926-5 QC Sample: L2356902-17 Client ID: SB54-Z6-12													
Aroclor 1016	ND	350	286	82		274	74		40-140	4		50	A
Aroclor 1260	ND	350	284	81		263	71		40-140	8		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		73		30-150	A
Decachlorobiphenyl	83		70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		74		30-150	B
Decachlorobiphenyl	89		71		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: LOUCKS RD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2356902

Report Date: 10/06/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 31-35,37-39 QC Batch ID: WG1834611-4 WG1834611-5 QC Sample: L2356902-35 Client ID: SB50-Z12-24													
Aroclor 1016	ND	388	223	57		286	74		40-140	25		50	A
Aroclor 1260	ND	388	173	45		214	56		40-140	21		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		71		30-150	A
Decachlorobiphenyl	44		56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		72		30-150	B
Decachlorobiphenyl	44		54		30-150	B

INORGANICS
&
MISCELLANEOUS

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-01
Client ID: SB58-Z0-2
Sample Location: DEWITT

Date Collected: 09/26/23 10:54
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.1		%	0.100	NA	1	-	09/29/23 11:58	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-02
Client ID: SB58-Z6-12
Sample Location: DEWITT

Date Collected: 09/26/23 10:56
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.7		%	0.100	NA	1	-	09/29/23 11:58	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-03
Client ID: SB58-Z12-24
Sample Location: DEWITT

Date Collected: 09/26/23 10:58
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.0		%	0.100	NA	1	-	09/29/23 11:58	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-05
Client ID: SB57-Z0-2
Sample Location: DEWITT

Date Collected: 09/26/23 11:56
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.3		%	0.100	NA	1	-	09/29/23 11:58	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-06
Client ID: SB57-Z6-12
Sample Location: DEWITT

Date Collected: 09/26/23 11:58
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.6		%	0.100	NA	1	-	09/29/23 11:58	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-07
Client ID: SB57-Z12-24
Sample Location: DEWITT

Date Collected: 09/26/23 12:00
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.7		%	0.100	NA	1	-	09/29/23 11:58	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-08
Client ID: SB56-Z0-2
Sample Location: DEWITT

Date Collected: 09/26/23 12:33
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.0		%	0.100	NA	1	-	09/29/23 11:58	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-09
Client ID: SB56-Z6-12
Sample Location: DEWITT

Date Collected: 09/26/23 12:35
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.4		%	0.100	NA	1	-	09/29/23 11:58	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-10
Client ID: SB56-Z12-24
Sample Location: DEWITT

Date Collected: 09/26/23 12:37
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.3		%	0.100	NA	1	-	09/29/23 11:58	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-12
Client ID: SB55-Z0-2
Sample Location: DEWITT

Date Collected: 09/26/23 13:24
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.1		%	0.100	NA	1	-	09/29/23 11:58	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-13
Client ID: SB55-Z6-12
Sample Location: DEWITT

Date Collected: 09/26/23 13:26
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.4		%	0.100	NA	1	-	09/29/23 11:58	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-14
Client ID: SB55-Z12-24
Sample Location: DEWITT

Date Collected: 09/26/23 13:28
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	09/29/23 11:58	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-16
Client ID: SB54-Z0-2
Sample Location: DEWITT

Date Collected: 09/26/23 14:02
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.4		%	0.100	NA	1	-	09/29/23 11:58	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-17
Client ID: SB54-Z6-12
Sample Location: DEWITT

Date Collected: 09/26/23 14:04
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.8		%	0.100	NA	1	-	09/29/23 11:58	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-18
Client ID: SB54-Z12-24
Sample Location: DEWITT

Date Collected: 09/26/23 14:06
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.9		%	0.100	NA	1	-	09/29/23 11:58	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-20
Client ID: SB54-Z12-24-Q
Sample Location: DEWITT

Date Collected: 09/26/23 14:10
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.7		%	0.100	NA	1	-	09/29/23 11:58	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-21
Client ID: SB53-Z0-2
Sample Location: DEWITT

Date Collected: 09/26/23 14:59
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.3		%	0.100	NA	1	-	09/29/23 11:58	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-22
Client ID: SB53-Z6-12
Sample Location: DEWITT

Date Collected: 09/26/23 15:01
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.0		%	0.100	NA	1	-	09/29/23 11:58	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-23
Client ID: SB53-Z12-24
Sample Location: DEWITT

Date Collected: 09/26/23 15:03
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	09/29/23 12:12	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-25
Client ID: SB52-Z0-2
Sample Location: DEWITT

Date Collected: 09/26/23 15:38
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.0		%	0.100	NA	1	-	09/29/23 12:12	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-26
Client ID: SB52-Z6-12
Sample Location: DEWITT

Date Collected: 09/26/23 15:40
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.6		%	0.100	NA	1	-	09/29/23 12:12	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-27
Client ID: SB52-Z12-24
Sample Location: DEWITT

Date Collected: 09/26/23 15:42
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.9		%	0.100	NA	1	-	09/29/23 12:12	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-29
Client ID: SB51-Z0-2
Sample Location: DEWITT

Date Collected: 09/26/23 16:34
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.2		%	0.100	NA	1	-	09/29/23 12:12	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-30
Client ID: SB51-Z0-2-Q
Sample Location: DEWITT

Date Collected: 09/26/23 16:40
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.8		%	0.100	NA	1	-	09/29/23 12:12	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-31
Client ID: SB51-Z6-12
Sample Location: DEWITT

Date Collected: 09/26/23 16:36
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.3		%	0.100	NA	1	-	09/29/23 12:12	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-32
Client ID: SB51-Z12-24
Sample Location: DEWITT

Date Collected: 09/26/23 16:38
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.3		%	0.100	NA	1	-	09/29/23 12:12	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-33
Client ID: SB50-Z0-2
Sample Location: DEWITT

Date Collected: 09/26/23 17:16
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.5		%	0.100	NA	1	-	09/29/23 12:12	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-34
Client ID: SB50-Z6-12
Sample Location: DEWITT

Date Collected: 09/26/23 17:18
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	09/29/23 12:12	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-35
Client ID: SB50-Z12-24
Sample Location: DEWITT

Date Collected: 09/26/23 17:20
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.7		%	0.100	NA	1	-	09/29/23 12:12	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-37
Client ID: SB49-Z0-2
Sample Location: DEWITT

Date Collected: 09/26/23 18:04
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.1		%	0.100	NA	1	-	09/29/23 12:12	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-38
Client ID: SB49-Z6-12
Sample Location: DEWITT

Date Collected: 09/26/23 18:06
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	09/29/23 12:12	121,2540G	ROI

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

SAMPLE RESULTS

Lab ID: L2356902-39
Client ID: SB49-Z12-18
Sample Location: DEWITT

Date Collected: 09/26/23 18:08
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.5		%	0.100	NA	1	-	09/29/23 12:12	121,2540G	ROI

Lab Duplicate Analysis
Batch Quality Control

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-10,12-14,16-18,20-22 QC Batch ID: WG1833711-1 QC Sample: L2356902-17 Client ID: SB54-Z6-12						
Solids, Total	83.8	85.8	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 23,25-27,29-35,37-39 QC Batch ID: WG1833713-1 QC Sample: L2356902-35 Client ID: SB50-Z12-24						
Solids, Total	78.7	79.6	%	1		20

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2356902-01A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-01B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-02A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-02B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-03A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-03B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-04A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		HOLD-WETCHEM()
L2356902-04B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		HOLD-8082(14)
L2356902-05A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-05B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-06A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-06B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-07A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-07B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-08A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-08B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-09A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-09B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-10A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-10B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-11A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		HOLD-WETCHEM()
L2356902-11B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		HOLD-8082(14)
L2356902-12A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2356902-12B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-13A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-13B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-14A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-14B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-15A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		HOLD-WETCHEM()
L2356902-15B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		HOLD-8082(14)
L2356902-16A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-16B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-17A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-17A1	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-17B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-17B1	Glass 250ml/8oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-18A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-18B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-19A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		HOLD-WETCHEM()
L2356902-19B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		HOLD-8082(14)
L2356902-20A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-20B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-21A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-21B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-22A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-22B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-23A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-23B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-24A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		HOLD-WETCHEM()
L2356902-24B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		HOLD-8082(14)
L2356902-25A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2356902-25B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-26A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-26B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-27A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-27B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-28A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		HOLD-WETCHEM()
L2356902-28B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		HOLD-8082(14)
L2356902-29A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-29B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-30A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-30B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-31A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-31B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-32A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-32B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-33A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-33B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-34A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-34B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-35A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-35A1	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-35B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-35B1	Glass 250ml/8oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-36A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		HOLD-WETCHEM()
L2356902-36B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		HOLD-8082(14)
L2356902-37A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-37B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-38A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2356902
Report Date: 10/06/23

Container Information

Container ID	*Container Type*	*Cooler*	*Initial pH*	*Final pH*	*Temp deg C*	*Pres*	*Seal*	*Frozen Date/Time*	*Analysis(*)*
L2356902-38B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-39A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2356902-39B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)
L2356902-40A	Amber 120ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8082-LVI(365)
L2356902-40B	Amber 120ml unpreserved	A	7	7	3.9	Y	Absent		NYTCL-8082-LVI(365)

*Values in parentheses indicate holding time in days

Project Name:	LOUCKS RD EXTENSION	**Lab Number:**	L2356902
Project Number:	EE1705007.0032	**Report Date:**	10/06/23

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS RD EXTENSION	**Lab Number:**	L2356902
Project Number:	EE1705007.0032	**Report Date:**	10/06/23

Footnotes

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

Terms

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

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

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

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS RD EXTENSION	**Lab Number:**	L2356902
Project Number:	EE1705007.0032	**Report Date:**	10/06/23

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	LOUCKS RD EXTENSION	**Lab Number:**	L2356902
Project Number:	EE1705007.0032	**Report Date:**	10/06/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 4

Date Rec'd in Lab: 9/28/23

ALPHA Job #: L2358902

Client Information
Client: EGE
Address: 40 La Riviera Dr
Buffalo NY 14207
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@wsp.com

Project Information
Project Name: Loucks Rd Extension
Project Location: Dewitt
Project # EE170507.0032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables
[ ] ASP-A [ ] ASP-B
[X] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement
[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information
[ ] Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8260 (28)	TS	Sample Specific Comments
56962 -01	SB58-20-2	9/26/23	10:54	Soil	DB	X	X	
-02	SB58-26-12	9/26/23	10:56	Soil	DB	X	X	
-03	SB58-212-24	9/26/23	10:58	Soil	DB	X	X	
-04	SB58-224-36	9/26/23	11:00	Soil	DB	/	/	HOLD
-05	SB57-20-2	9/26/23	11:56	Soil	DB	/	/	
-06	SB57-26-12	9/26/23	11:58	Soil	DB	/	/	
-07	SB57-212-24	9/26/23	12:00	Soil	DB	/	/	
-08	SB56-20-2	9/26/23	12:33	Soil	DB	/	/	
-09	SB56-26-12	9/26/23	12:35	Soil	DB	/	/	
-10	SB56-212-24	9/26/23	12:37	Soil	DB	/	/	

Container Type: A P
Preservative: A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	9/27/23 16:30	AAL SS	9/27/23 16:30
AAL SS	9/27/23 18:10	Jenn Cerny	9/27/23 19:10
Jenn Cerny	9/27/23 1911		9/28/23 0040

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 4

Date Rec'd in Lab: 9/28/23

ALPHA Job #: L2356902

Client Information
Client: E & E
Address: 40 La Riviere Dr
Buffalo NY 14202
Phone: 720 737 7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information
Project Name: Loucks Rd Extension
Project Location: Dewitt
Project #: EE120500.0037
(Use Project name as Project #) ☐
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8082 (Pcb)	TS	MS/MSD						Sample Specific Comments
56902 -11	SB 56-24-36	9/26/23	12:39	SOIL	DB	/	/							Hold
-12	SB 55-20-2	9/26/23	13:24	SOIL	DB	/	/							
-13	SB 55-26-12	9/26/23	13:26	SOIL	DB	/	/							
-14	SB 55-2 12-24	9/26/23	13:28	SOIL	DB	/	/							
-15	SB 55-24-36	9/26/23	13:30	SOIL	DB	/	/							Hold
-16	SB 54-20-2	9/26/23	14:02	SOIL	DB	/	/							
-17	SB 54-26-12	9/26/23	14:04	SOIL	DB	/	/	X						MS/MSD
-18	SB 54-2 12-24	9/26/23	14:06	SOIL	DB	/	/							
-19	SB 54-24-36	9/26/23	14:08	SOIL	DB	/	/							Hold
-20	SB 54-2 12-24-Q	9/26/23	14:10	SOIL	DB	/	/							

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P											
Preservative	A	A											

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	9/27/23 16:30	ATL SS	9/27/23 16:30
ATL SS	9/27/23 19:30	Jenny Cary	9/27/23 19:10
Jenny Cary	9/27/23 14:15		9/28/23 0040

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of 4

Date Rec'd in Lab: 9/28/23

ALPHA Job #: L2356902

Client Information
Client: E&E
Address: 40 La Riviere Dr
Buffalo NY 14202
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information
Project Name: Locks Rd Extension
Project Location: DeWitt
Project # EE 170 5007.0032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8082 (RD)	TS	Total Bottles	Sample Specific Comments
56907-21	SB53-20-2	9/26/23	14:59	SOIL	DB	✓	✓		
-22	SB53-26-12	9/26/23	15:01	SOIL	DB	✓	✓		
-23	SB53-212-24	9/26/23	15:03	SOIL	DB	✓	✓		
-24	SB53-224-36	9/26/23	15:05	SOIL	DB	✓	✓		HOLD
-25	SB52-20-2	9/26/23	15:38	SOIL	DB	✓	✓		
-26	SB52-26-12	9/26/23	15:40	SOIL	DB	✓	✓		
-27	SB52-212-24	9/26/23	15:42	SOIL	DB	✓	✓		
-28	SB52-224-36	9/26/23	15:44	SOIL	DB	✓			HOLD
-29	SB51-20-2	9/26/23	16:34	SOIL	DB	✓	✓		
-30	SB51-20-2-Q	9/26/23	16:40	SOIL	DB	✓	✓		
					Container Type	A	P		
					Preservative	A	A		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	9/27/23 16:30	ALAL SS	9/27/23 18:30
ALAL SS	9/27/23 19:10	Jmy Cmy	9/27/23 19:10
Jmy Cmy	9/27/23 19:10		9/28/23 00:40

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 4 of 4

Date Rec'd in Lab: 9128123

ALPHA Job #: L2356902

Client Information
Client: EEE
Address: 40 La Riviere Dr
Buffalo NY 14202
Phone: 720 737 7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information
Project Name: Loucks Rd PX + Plsion
Project Location: De Witt
Project #: EE 170 5007.0032
(Use Project name as Project #) ☐
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8260-R2 (PCB)	TS	MS/MSD						Sample Specific Comments	Total Bottle
L2356902-31	SB51-26-12	9/26/23	16:36	Soil	DB	✓	✓								
-32	SB51-212-24	9/26/23	16:38	Soil	DB	✓	✓								
-33	SB50-20-2	9/26/23	17:16	Soil	DB	✓	✓								
-34	SB50-26-12	9/26/23	17:18	Soil	DB	✓	✓								
-35	SB50-212-24	9/26/23	17:20	Soil	DB	✓	✓	X						MS/MSD	
-36	SB50-224-27	9/26/23	17:22	Soil	DB	✓	✓							HOLD	
-37	SB49-20-2	9/26/23	18:04	Soil	DB	✓	✓								
-38	SB49-26-12	9/26/23	18:06	Soil	DB	✓	✓								
-39	SB49-212-18	9/26/23	18:08	Soil	DB	✓	✓								
-40	finsate_092620'23	9/26/23	18:15	water	DB	✓									
	Container Type					A	P								
	Preservative					A	A								

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	9/27/23 16:30	AAL SS	9/27/23 14:30
AAL SS	9/27/23 19:10	Jay Cay	9/27/23 19:10
Jay Cay	9/27/23 19:10		9/28/23 0040

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2357618
Client:	WSP 40 La Riviere Drive Suite 320 Buffalo, NY 14202
ATTN:	Drew Bullinger
Phone:	(716) 204-5880
Project Name:	LOUCKS RD EXTENSION
Project Number:	EE1705007.0032
Report Date:	10/10/23

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2357618
Report Date: 10/10/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2357618-01	SB 43-Z40-48	SOIL	DEWITT	09/27/23 16:35	09/29/23
L2357618-02	SB 24-Z38-42	SOIL	DEWITT	09/29/23 09:56	09/29/23
L2357618-03	SB 17-Z42-48	SOIL	DEWITT	09/29/23 10:18	09/29/23
L2357618-04	SB 15-Z39-42	SOIL	DEWITT	09/29/23 10:35	09/29/23
L2357618-05	SB 15-Z42-48	SOIL	DEWITT	09/29/23 10:38	09/29/23
L2357618-06	SB 14-Z38-42	SOIL	DEWITT	09/29/23 11:20	09/29/23
L2357618-07	SB 14-Z42-48	SOIL	DEWITT	09/29/23 11:25	09/29/23
L2357618-08	SB 12-Z42-48	SOIL	DEWITT	09/29/23 12:45	09/29/23
L2357618-09	SB 13-Z49-52	SOIL	DEWITT	09/29/23 13:05	09/29/23
L2357618-10	SB 11-Z47-51	SOIL	DEWITT	09/29/23 13:30	09/29/23
L2357618-11	SB 10-Z42-48	SOIL	DEWITT	09/29/23 13:45	09/29/23
L2357618-12	SB 09-Z43-48	SOIL	DEWITT	09/29/23 14:23	09/29/23
L2357618-13	SB 08-Z48-52	SOIL	DEWITT	09/29/23 14:40	09/29/23
L2357618-14	SB 06-Z40-47	SOIL	DEWITT	09/29/23 15:00	09/29/23
L2357618-15	SB 25-Z24-36	SOIL	DEWITT	09/29/23 16:00	09/29/23
L2357618-16	RINSTATE_09292023	WATER	DEWITT	09/29/23 16:15	09/29/23

Project Name:	LOUCKS RD EXTENSION	**Lab Number:**	L2357618
Project Number:	EE1705007.0032	**Report Date:**	10/10/23

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	LOUCKS RD EXTENSION	**Lab Number:**	L2357618
Project Number:	EE1705007.0032	**Report Date:**	10/10/23

Case Narrative (continued)

Report Submission

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

PCBs

L2357618-01D, -03D, -04D, -05D, -08D, and -12D: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

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

Authorized Signature: Kelly O'Neill

Title: Technical Director/Representative Date: 10/10/23

ORGANICS

PCBS

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2357618

Project Number: EE1705007.0032 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-01 D
Client ID: SB 43-Z40-48
Sample Location: DEWITT

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/05/23 01:07
Analyst: MEO
Percent Solids: 91%

Date Collected: 09/27/23 16:35
Date Received: 09/29/23
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 09/30/23 19:49
Cleanup Method: EPA 3665A
Cleanup Date: 10/04/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/04/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1050	93.3	20	A
Aroclor 1221	ND		ug/kg	1050	105.	20	A
Aroclor 1232	ND		ug/kg	1050	223.	20	A
Aroclor 1242	ND		ug/kg	1050	142.	20	A
Aroclor 1248	5750		ug/kg	1050	158.	20	B
Aroclor 1254	ND		ug/kg	1050	115.	20	A
Aroclor 1260	ND		ug/kg	1050	194.	20	A
Aroclor 1262	ND		ug/kg	1050	133.	20	A
Aroclor 1268	ND		ug/kg	1050	109.	20	A
PCBs, Total	5750		ug/kg	1050	93.3	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2357618

Project Number: EE1705007.0032 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-02 D
Client ID: SB 24-Z38-42
Sample Location: DEWITT

Date Collected: 09/29/23 09:56
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/05/23 00:19
Analyst: MEO
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/30/23 19:49
Cleanup Method: EPA 3665A
Cleanup Date: 10/04/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/04/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	268	23.8	5	A
Aroclor 1221	ND		ug/kg	268	26.8	5	A
Aroclor 1232	ND		ug/kg	268	56.8	5	A
Aroclor 1242	ND		ug/kg	268	36.1	5	A
Aroclor 1248	2320		ug/kg	268	40.2	5	B
Aroclor 1254	ND		ug/kg	268	29.3	5	A
Aroclor 1260	ND		ug/kg	268	49.5	5	A
Aroclor 1262	ND		ug/kg	268	34.0	5	A
Aroclor 1268	ND		ug/kg	268	27.7	5	A
PCBs, Total	2320		ug/kg	268	23.8	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2357618

Project Number: EE1705007.0032 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-03 D
Client ID: SB 17-Z42-48
Sample Location: DEWITT

Date Collected: 09/29/23 10:18
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/05/23 01:15
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/30/23 19:49
Cleanup Method: EPA 3665A
Cleanup Date: 10/04/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/04/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1070	94.7	20	A
Aroclor 1221	ND		ug/kg	1070	107.	20	A
Aroclor 1232	ND		ug/kg	1070	226.	20	A
Aroclor 1242	ND		ug/kg	1070	144.	20	A
Aroclor 1248	12500		ug/kg	1070	160.	20	B
Aroclor 1254	ND		ug/kg	1070	117.	20	A
Aroclor 1260	ND		ug/kg	1070	197.	20	A
Aroclor 1262	ND		ug/kg	1070	135.	20	A
Aroclor 1268	ND		ug/kg	1070	110.	20	A
PCBs, Total	12500		ug/kg	1070	94.7	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2357618

Project Number: EE1705007.0032 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-04 D
Client ID: SB 15-Z39-42
Sample Location: DEWITT

Date Collected: 09/29/23 10:35
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/05/23 01:31
Analyst: MEO
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 09/30/23 19:49
Cleanup Method: EPA 3665A
Cleanup Date: 10/04/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/04/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5670	504.	100	A
Aroclor 1221	ND		ug/kg	5670	568.	100	A
Aroclor 1232	ND		ug/kg	5670	1200	100	A
Aroclor 1242	ND		ug/kg	5670	765.	100	A
Aroclor 1248	50800		ug/kg	5670	851.	100	B
Aroclor 1254	ND		ug/kg	5670	621.	100	A
Aroclor 1260	ND		ug/kg	5670	1050	100	A
Aroclor 1262	ND		ug/kg	5670	720.	100	A
Aroclor 1268	ND		ug/kg	5670	588.	100	A
PCBs, Total	50800		ug/kg	5670	504.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2357618

Project Number: EE1705007.0032 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-05 D
Client ID: SB 15-Z42-48
Sample Location: DEWITT

Date Collected: 09/29/23 10:38
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/05/23 01:38
Analyst: MEO
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 09/30/23 19:49
Cleanup Method: EPA 3665A
Cleanup Date: 10/04/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/04/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5540	492.	100	A
Aroclor 1221	ND		ug/kg	5540	555.	100	A
Aroclor 1232	ND		ug/kg	5540	1170	100	A
Aroclor 1242	ND		ug/kg	5540	746.	100	A
Aroclor 1248	49400		ug/kg	5540	830.	100	B
Aroclor 1254	ND		ug/kg	5540	606.	100	A
Aroclor 1260	ND		ug/kg	5540	1020	100	A
Aroclor 1262	ND		ug/kg	5540	703.	100	A
Aroclor 1268	ND		ug/kg	5540	574.	100	A
PCBs, Total	49400		ug/kg	5540	492.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS RD EXTENSION
Lab Number: L2357618
Project Number: EE1705007.0032
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-06 D
Client ID: SB 14-Z38-42
Sample Location: DEWITT

Date Collected: 09/29/23 11:20
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/05/23 00:27
Analyst: MEO
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 09/30/23 19:49
Cleanup Method: EPA 3665A
Cleanup Date: 10/04/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/04/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	287	25.5	5	A
Aroclor 1221	ND		ug/kg	287	28.7	5	A
Aroclor 1232	ND		ug/kg	287	60.8	5	A
Aroclor 1242	ND		ug/kg	287	38.6	5	A
Aroclor 1248	2750		ug/kg	287	43.0	5	B
Aroclor 1254	ND		ug/kg	287	31.4	5	A
Aroclor 1260	ND		ug/kg	287	53.0	5	A
Aroclor 1262	ND		ug/kg	287	36.4	5	A
Aroclor 1268	ND		ug/kg	287	29.7	5	A
PCBs, Total	2750		ug/kg	287	25.5	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2357618

Project Number: EE1705007.0032 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-07 D
Client ID: SB 14-Z42-48
Sample Location: DEWITT

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/05/23 00:35
Analyst: MEO
Percent Solids: 83%

Date Collected: 09/29/23 11:25
Date Received: 09/29/23
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 09/30/23 19:49
Cleanup Method: EPA 3665A
Cleanup Date: 10/04/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/04/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	294	26.1	5	A
Aroclor 1221	ND		ug/kg	294	29.5	5	A
Aroclor 1232	ND		ug/kg	294	62.4	5	A
Aroclor 1242	ND		ug/kg	294	39.6	5	A
Aroclor 1248	2070		ug/kg	294	44.1	5	B
Aroclor 1254	ND		ug/kg	294	32.2	5	A
Aroclor 1260	ND		ug/kg	294	54.4	5	A
Aroclor 1262	ND		ug/kg	294	37.4	5	A
Aroclor 1268	ND		ug/kg	294	30.5	5	A
PCBs, Total	2070		ug/kg	294	26.1	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2357618

Project Number: EE1705007.0032 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-08 D
Client ID: SB 12-Z42-48
Sample Location: DEWITT

Date Collected: 09/29/23 12:45
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/05/23 01:47
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 09/30/23 19:55
Cleanup Method: EPA 3665A
Cleanup Date: 10/04/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/04/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5680	504.	100	A
Aroclor 1221	ND		ug/kg	5680	569.	100	A
Aroclor 1232	ND		ug/kg	5680	1200	100	A
Aroclor 1242	ND		ug/kg	5680	766.	100	A
Aroclor 1248	9620		ug/kg	5680	852.	100	B
Aroclor 1254	ND		ug/kg	5680	622.	100	A
Aroclor 1260	ND		ug/kg	5680	1050	100	A
Aroclor 1262	ND		ug/kg	5680	722.	100	A
Aroclor 1268	ND		ug/kg	5680	589.	100	A
PCBs, Total	9620		ug/kg	5680	504.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2357618

Project Number: EE1705007.0032 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-10 D
Client ID: SB 11-Z47-51
Sample Location: DEWITT

Date Collected: 09/29/23 13:30
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/05/23 00:43
Analyst: MEO
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 09/30/23 19:55
Cleanup Method: EPA 3665A
Cleanup Date: 10/04/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/04/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	292	26.0	5	A
Aroclor 1221	ND		ug/kg	292	29.3	5	A
Aroclor 1232	ND		ug/kg	292	62.0	5	A
Aroclor 1242	ND		ug/kg	292	39.4	5	A
Aroclor 1248	4160		ug/kg	292	43.8	5	B
Aroclor 1254	ND		ug/kg	292	32.0	5	A
Aroclor 1260	ND		ug/kg	292	54.0	5	A
Aroclor 1262	ND		ug/kg	292	37.1	5	A
Aroclor 1268	ND		ug/kg	292	30.3	5	A
PCBs, Total	4160		ug/kg	292	26.0	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2357618

Project Number: EE1705007.0032 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-11 D
Client ID: SB 10-Z42-48
Sample Location: DEWITT

Date Collected: 09/29/23 13:45
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/05/23 00:51
Analyst: MEO
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 09/30/23 19:55
Cleanup Method: EPA 3665A
Cleanup Date: 10/04/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/04/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	282	25.1	5	A
Aroclor 1221	ND		ug/kg	282	28.3	5	A
Aroclor 1232	ND		ug/kg	282	59.8	5	A
Aroclor 1242	ND		ug/kg	282	38.0	5	A
Aroclor 1248	3160		ug/kg	282	42.3	5	B
Aroclor 1254	ND		ug/kg	282	30.9	5	A
Aroclor 1260	ND		ug/kg	282	52.2	5	A
Aroclor 1262	ND		ug/kg	282	35.8	5	A
Aroclor 1268	ND		ug/kg	282	29.2	5	A
PCBs, Total	3160		ug/kg	282	25.1	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2357618

Project Number: EE1705007.0032 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-12 D
Client ID: SB 09-Z43-48
Sample Location: DEWITT

Date Collected: 09/29/23 14:23
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/05/23 01:22
Analyst: MEO
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 09/30/23 19:55
Cleanup Method: EPA 3665A
Cleanup Date: 10/04/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/04/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1060	94.4	20	A
Aroclor 1221	ND		ug/kg	1060	106.	20	A
Aroclor 1232	ND		ug/kg	1060	225.	20	A
Aroclor 1242	ND		ug/kg	1060	143.	20	A
Aroclor 1248	13300		ug/kg	1060	159.	20	B
Aroclor 1254	ND		ug/kg	1060	116.	20	A
Aroclor 1260	ND		ug/kg	1060	196.	20	A
Aroclor 1262	ND		ug/kg	1060	135.	20	A
Aroclor 1268	ND		ug/kg	1060	110.	20	A
PCBs, Total	13300		ug/kg	1060	94.4	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2357618

Project Number: EE1705007.0032 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-13
Client ID: SB 08-Z48-52
Sample Location: DEWITT

Date Collected: 09/29/23 14:40
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/04/23 16:01
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 09/30/23 20:43
Cleanup Method: EPA 3665A
Cleanup Date: 10/04/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/04/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.7	4.77	1	A
Aroclor 1221	ND		ug/kg	53.7	5.38	1	A
Aroclor 1232	ND		ug/kg	53.7	11.4	1	A
Aroclor 1242	ND		ug/kg	53.7	7.24	1	A
Aroclor 1248	521		ug/kg	53.7	8.06	1	B
Aroclor 1254	ND		ug/kg	53.7	5.88	1	A
Aroclor 1260	ND		ug/kg	53.7	9.93	1	A
Aroclor 1262	ND		ug/kg	53.7	6.82	1	A
Aroclor 1268	ND		ug/kg	53.7	5.57	1	A
PCBs, Total	521		ug/kg	53.7	4.77	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2357618

Project Number: EE1705007.0032 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-14 D
Client ID: SB 06-Z40-47
Sample Location: DEWITT

Date Collected: 09/29/23 15:00
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/05/23 00:59
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/30/23 19:55
Cleanup Method: EPA 3665A
Cleanup Date: 10/04/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/04/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	252	22.4	5	A
Aroclor 1221	ND		ug/kg	252	25.2	5	A
Aroclor 1232	ND		ug/kg	252	53.4	5	A
Aroclor 1242	ND		ug/kg	252	33.9	5	A
Aroclor 1248	1460		ug/kg	252	37.8	5	B
Aroclor 1254	ND		ug/kg	252	27.5	5	A
Aroclor 1260	ND		ug/kg	252	46.5	5	A
Aroclor 1262	ND		ug/kg	252	32.0	5	A
Aroclor 1268	ND		ug/kg	252	26.1	5	A
PCBs, Total	1460		ug/kg	252	22.4	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2357618

Project Number: EE1705007.0032 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-15
Client ID: SB 25-Z24-36
Sample Location: DEWITT

Date Collected: 09/29/23 16:00
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/04/23 16:25
Analyst: MEO
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 09/30/23 19:55
Cleanup Method: EPA 3665A
Cleanup Date: 10/04/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/04/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	51.2	4.54	1	A
Aroclor 1221	ND		ug/kg	51.2	5.13	1	A
Aroclor 1232	ND		ug/kg	51.2	10.8	1	A
Aroclor 1242	ND		ug/kg	51.2	6.90	1	A
Aroclor 1248	191		ug/kg	51.2	7.68	1	A
Aroclor 1254	ND		ug/kg	51.2	5.60	1	A
Aroclor 1260	ND		ug/kg	51.2	9.46	1	A
Aroclor 1262	ND		ug/kg	51.2	6.50	1	A
Aroclor 1268	ND		ug/kg	51.2	5.30	1	A
PCBs, Total	191		ug/kg	51.2	4.54	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: LOUCKS RD EXTENSION **Lab Number:** L2357618

Project Number: EE1705007.0032 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-16
Client ID: RINSTATE_09292023
Sample Location: DEWITT

Date Collected: 09/29/23 16:15
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/09/23 23:50
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 10/09/23 12:15
Cleanup Method: EPA 3665A
Cleanup Date: 10/09/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/09/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.036	0.031	1	A
Aroclor 1221	ND		ug/l	0.036	0.031	1	A
Aroclor 1232	ND		ug/l	0.036	0.031	1	A
Aroclor 1242	ND		ug/l	0.036	0.031	1	A
Aroclor 1248	ND		ug/l	0.036	0.031	1	A
Aroclor 1254	ND		ug/l	0.036	0.031	1	A
Aroclor 1260	ND		ug/l	0.036	0.031	1	A
Aroclor 1262	ND		ug/l	0.036	0.031	1	A
Aroclor 1268	ND		ug/l	0.036	0.031	1	A
PCBs, Total	ND		ug/l	0.036	0.031	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2357618
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/04/23 13:29
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 09/30/23 19:49
Cleanup Method: EPA 3665A
Cleanup Date: 10/04/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/04/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-08,10-15 Batch: WG1834156-1						
Aroclor 1016	ND		ug/kg	48.4	4.30	A
Aroclor 1221	ND		ug/kg	48.4	4.85	A
Aroclor 1232	ND		ug/kg	48.4	10.3	A
Aroclor 1242	ND		ug/kg	48.4	6.52	A
Aroclor 1248	ND		ug/kg	48.4	7.26	A
Aroclor 1254	ND		ug/kg	48.4	5.30	A
Aroclor 1260	ND		ug/kg	48.4	8.94	A
Aroclor 1262	ND		ug/kg	48.4	6.15	A
Aroclor 1268	ND		ug/kg	48.4	5.01	A
PCBs, Total	ND		ug/kg	48.4	4.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2357618
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/09/23 23:22
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 10/09/23 12:15
Cleanup Method: EPA 3665A
Cleanup Date: 10/09/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/09/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 16 Batch: WG1837371-1						
Aroclor 1016	ND		ug/l	0.036	0.031	A
Aroclor 1221	ND		ug/l	0.036	0.031	A
Aroclor 1232	ND		ug/l	0.036	0.031	A
Aroclor 1242	ND		ug/l	0.036	0.031	A
Aroclor 1248	ND		ug/l	0.036	0.031	A
Aroclor 1254	ND		ug/l	0.036	0.031	A
Aroclor 1260	ND		ug/l	0.036	0.031	A
Aroclor 1262	ND		ug/l	0.036	0.031	A
Aroclor 1268	ND		ug/l	0.036	0.031	A
PCBs, Total	ND		ug/l	0.036	0.031	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	71		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS RD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2357618

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-08,10-15 Batch: WG1834156-2 WG1834156-3									
Aroclor 1016	65		70		40-140	7		50	A
Aroclor 1260	61		66		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		72		30-150	A
Decachlorobiphenyl	64		68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		74		30-150	B
Decachlorobiphenyl	70		75		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS RD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2357618

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 16 Batch: WG1837371-2 WG1837371-3									
Aroclor 1016	66		69		40-140	4		50	A
Aroclor 1260	57		61		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		64		30-150	A
Decachlorobiphenyl	61		66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		67		30-150	B
Decachlorobiphenyl	63		72		30-150	B

INORGANICS
&
MISCELLANEOUS

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2357618
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-01
Client ID: SB 43-Z40-48
Sample Location: DEWITT

Date Collected: 09/27/23 16:35
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	10/02/23 09:40	121,2540G	GAG

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2357618
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-02
Client ID: SB 24-Z38-42
Sample Location: DEWITT

Date Collected: 09/29/23 09:56
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.0		%	0.100	NA	1	-	10/02/23 09:40	121,2540G	GAG

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2357618
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-03
Client ID: SB 17-Z42-48
Sample Location: DEWITT

Date Collected: 09/29/23 10:18
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.6		%	0.100	NA	1	-	10/02/23 10:17	121,2540G	GAG

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2357618
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-04
Client ID: SB 15-Z39-42
Sample Location: DEWITT

Date Collected: 09/29/23 10:35
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.9		%	0.100	NA	1	-	10/02/23 10:17	121,2540G	GAG

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2357618
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-05
Client ID: SB 15-Z42-48
Sample Location: DEWITT

Date Collected: 09/29/23 10:38
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.5		%	0.100	NA	1	-	10/02/23 10:17	121,2540G	GAG

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2357618
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-06
Client ID: SB 14-Z38-42
Sample Location: DEWITT

Date Collected: 09/29/23 11:20
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.5		%	0.100	NA	1	-	10/02/23 10:17	121,2540G	GAG

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2357618
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-07
Client ID: SB 14-Z42-48
Sample Location: DEWITT

Date Collected: 09/29/23 11:25
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.4		%	0.100	NA	1	-	10/02/23 10:17	121,2540G	GAG

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2357618
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-08
Client ID: SB 12-Z42-48
Sample Location: DEWITT

Date Collected: 09/29/23 12:45
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.1		%	0.100	NA	1	-	10/02/23 10:17	121,2540G	GAG

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2357618
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-10
Client ID: SB 11-Z47-51
Sample Location: DEWITT

Date Collected: 09/29/23 13:30
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.8		%	0.100	NA	1	-	10/02/23 10:17	121,2540G	GAG

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2357618
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-11
Client ID: SB 10-Z42-48
Sample Location: DEWITT

Date Collected: 09/29/23 13:45
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.4		%	0.100	NA	1	-	10/02/23 10:17	121,2540G	GAG

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2357618
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-12
Client ID: SB 09-Z43-48
Sample Location: DEWITT

Date Collected: 09/29/23 14:23
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.2		%	0.100	NA	1	-	10/02/23 10:17	121,2540G	GAG

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2357618
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-13
Client ID: SB 08-Z48-52
Sample Location: DEWITT

Date Collected: 09/29/23 14:40
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.3		%	0.100	NA	1	-	10/02/23 10:17	121,2540G	GAG

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2357618
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-14
Client ID: SB 06-Z40-47
Sample Location: DEWITT

Date Collected: 09/29/23 15:00
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.2		%	0.100	NA	1	-	10/02/23 10:17	121,2540G	GAG

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2357618
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2357618-15
Client ID: SB 25-Z24-36
Sample Location: DEWITT

Date Collected: 09/29/23 16:00
Date Received: 09/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.5		%	0.100	NA	1	-	10/02/23 10:17	121,2540G	GAG

Lab Duplicate Analysis

Batch Quality Control

Project Name: LOUCKS RD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2357618

Report Date: 10/10/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1834492-1 QC Sample: L2357486-01 Client ID: DUP Sample						
Solids, Total	19.5	19.7	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 03-08,10-15 QC Batch ID: WG1834515-1 QC Sample: L2355620-02 Client ID: DUP Sample						
Solids, Total	45.9	44.2	%	4		20

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2357618
Report Date: 10/10/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2357618-01A	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2357618-01B	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8082(365)
L2357618-02A	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2357618-02B	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8082(365)
L2357618-03A	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2357618-03B	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8082(365)
L2357618-04A	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2357618-04B	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8082(365)
L2357618-05A	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2357618-05B	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8082(365)
L2357618-06A	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2357618-06B	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8082(365)
L2357618-07A	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2357618-07B	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8082(365)
L2357618-08A	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2357618-08B	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8082(365)
L2357618-09A	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		HOLD-WETCHEM()
L2357618-09B	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		HOLD-8082(14)
L2357618-10A	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2357618-10B	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8082(365)
L2357618-11A	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2357618-11B	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8082(365)
L2357618-12A	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2357618
Report Date: 10/10/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2357618-12B	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8082(365)
L2357618-13A	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2357618-13B	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8082(365)
L2357618-14A	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2357618-14B	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8082(365)
L2357618-15A	Plastic 2oz unpreserved for TS	A	NA		2.0	Y	Absent		TS(7)
L2357618-15B	Glass 60mL/2oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8082(365)
L2357618-16A	Amber 250ml unpreserved	A	NA		2.0	Y	Absent		NYTCL-8082-LVI(365)
L2357618-16B	Amber 250ml unpreserved	A	NA		2.0	Y	Absent		NYTCL-8082-LVI(365)

*Values in parentheses indicate holding time in days

Project Name:	LOUCKS RD EXTENSION	**Lab Number:**	L2357618
Project Number:	EE1705007.0032	**Report Date:**	10/10/23

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS RD EXTENSION	**Lab Number:**	L2357618
Project Number:	EE1705007.0032	**Report Date:**	10/10/23

Footnotes

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

Terms

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

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

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

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS RD EXTENSION	**Lab Number:**	L2357618
Project Number:	EE1705007.0032	**Report Date:**	10/10/23

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	LOUCKS RD EXTENSION	**Lab Number:**	L2357618
Project Number:	EE1705007.0032	**Report Date:**	10/10/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 9/30/23

ALPHA Job #: L2357618

Client Information
Client: EtE
Address: 40 La Riviere Dr
Buffalo NY 14202
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@wsp.com

Project Information
Project Name: Loucks Rd Extension
Project Location: Pewitt
Project # EE 170500 1.0032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables
[ ] ASP-A [ ] ASP-B
[X] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement
[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information
[ ] Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Total Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8081	TS	Sample Specific Comments
57618-01	SB 43-240-48	9/29/23	16:35	Soil	DB	X	X	
-02	SB 24-238-42	9/29/23	9:56	Soil	DB	/	/	
-03	SB 17-242-48	9/29/23	10:18	Soil	DB	/	/	
-04	SB 15-239-42	9/29/23	10:35	Soil	DB	/	/	
-05	SB 15-242-48	9/29/23	10:38	Soil	DB	/	/	
-06	SB 14-238-42	9/29/23	11:20	Soil	DB	/	/	
-07	SB 14-242-48	9/29/23	11:25	Soil	DB	/	/	
-08	SB 12-242-48	9/29/23	12:45	Soil	DB	/	/	
-09	SB 13-248-52	9/29/23	13:05	Soil	DB	/	/	HOLD
-10	SB 11-247-51	9/29/23	13:30	Soil	DB	/	/	

Container Type: A P
Preservative: A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	9/29/23 17:00	[illegible] Sys Sa st.	9/29/23 1805
[illegible] — Sys Sa st	9/29/23 1805	[illegible] Sys Sa st	9/29/23 1805
[illegible] Sys Sa st	9/29/23 1805		9/30/23 0030

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 9/30/23

ALPHA Job #: L2357618

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Client Information
Client: E&E
Address: 40 La Riviere Dr
Buffalo NY 14202
Phone: 720 - 737 - 7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information
Project Name: Loucks Road extension
Project Location: De Witt
Project #: EE170500?.0032
(Use Project name as Project #) ☐
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8082A (Aroclors)	TS	Total Bottles	Sample Specific Comments
57618 -11	SB10-2 42-48	9/29/23	13:45	Soil	DB	✓	✓		
-12	SB09-2 [illegible] 43-48	9/29/23	14:[illegible]3	Soil	DB	✓	✓		
-13	SB08-2 48-52	9/29/23	14:40	Soil	DB	✓	✓		
-14	SB06-2 40-47	9/29/23	15:00	Soil	DB	✓	✓		
-15	SB25-2 24-36	9/29/23	16:00	Soil	DB	✓	✓		
-16	Rinsate_09292023	9/29/23	16:15	water	DB	✓			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P
Preservative	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	9/29/23 17:00	[illegible] Sayre Sa St.	9/29/23 1805
[illegible] Sayre Es. St	9/29/23 1805	[illegible] Sayre Sa St.	9/29/23 1805
[illegible] Sayre Sa. St	9/29/23 1805		9/30/23 0030

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2359925
Client:	WSP 40 La Riviere Drive Suite 320 Buffalo, NY 14202
ATTN:	Drew Bullinger
Phone:	(716) 204-5880
Project Name:	LOUCKS RD EXTENSION
Project Number:	EE1705007.0032
Report Date:	10/16/23

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2359925
Report Date: 10/16/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2359925-01	SB52-Z24-36	SOIL	DEWITT	09/26/23 15:44	09/27/23

Project Name:	LOUCKS RD EXTENSION	**Lab Number:**	L2359925
Project Number:	EE1705007.0032	**Report Date:**	10/16/23

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	LOUCKS RD EXTENSION	**Lab Number:**	L2359925
Project Number:	EE1705007.0032	**Report Date:**	10/16/23

Case Narrative (continued)

Report Submission

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

PCBs

L2359925-01 contains peaks which match the retention times for Aroclor 1248, but do not match the area ratios typical for this aroclor. The result for Aroclor 1248 is reported as "altered".

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 10/16/23

ORGANICS

PCBS

Project Name: LOUCKS RD EXTENSION
Lab Number: L2359925
Project Number: EE1705007.0032
Report Date: 10/16/23

SAMPLE RESULTS

Lab ID: L2359925-01
Client ID: SB52-Z24-36
Sample Location: DEWITT

Date Collected: 09/26/23 15:44
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/12/23 13:32
Analyst: AD
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 10/11/23 12:29
Cleanup Method: EPA 3665A
Cleanup Date: 10/12/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/12/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.2	4.72	1	A
Aroclor 1221	ND		ug/kg	53.2	5.33	1	A
Aroclor 1232	ND		ug/kg	53.2	11.3	1	A
Aroclor 1242	ND		ug/kg	53.2	7.17	1	A
Aroclor 1248	159		ug/kg	53.2	7.98	1	A
Aroclor 1254	ND		ug/kg	53.2	5.82	1	A
Aroclor 1260	ND		ug/kg	53.2	9.83	1	A
Aroclor 1262	ND		ug/kg	53.2	6.75	1	A
Aroclor 1268	ND		ug/kg	53.2	5.51	1	A
PCBs, Total	159		ug/kg	53.2	4.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2359925
Report Date: 10/16/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/12/23 11:49
Analyst: AD

Extraction Method: EPA 3546
Extraction Date: 10/11/23 12:29
Cleanup Method: EPA 3665A
Cleanup Date: 10/12/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/12/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1838439-1						
Aroclor 1016	ND		ug/kg	48.0	4.26	A
Aroclor 1221	ND		ug/kg	48.0	4.81	A
Aroclor 1232	ND		ug/kg	48.0	10.2	A
Aroclor 1242	ND		ug/kg	48.0	6.47	A
Aroclor 1248	ND		ug/kg	48.0	7.20	A
Aroclor 1254	ND		ug/kg	48.0	5.25	A
Aroclor 1260	ND		ug/kg	48.0	8.87	A
Aroclor 1262	ND		ug/kg	48.0	6.09	A
Aroclor 1268	ND		ug/kg	48.0	4.97	A
PCBs, Total	ND		ug/kg	48.0	4.26	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	76		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2359925
Report Date: 10/16/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1838439-2 WG1838439-3									
Aroclor 1016	70		78		40-140	11		50	A
Aroclor 1260	63		71		40-140	12		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		78		30-150	A
Decachlorobiphenyl	70		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		76		30-150	B
Decachlorobiphenyl	68		78		30-150	B

INORGANICS
&
MISCELLANEOUS

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2359925
Report Date: 10/16/23

SAMPLE RESULTS

Lab ID: L2359925-01
Client ID: SB52-Z24-36
Sample Location: DEWITT

Date Collected: 09/26/23 15:44
Date Received: 09/27/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.8		%	0.100	NA	1	-	10/11/23 00:35	121,2540G	WJM

Lab Duplicate Analysis

Batch Quality Control

Project Name: LOUCKS RD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2359925

Report Date: 10/16/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1838133-1 QC Sample: L2359643-01 Client ID: DUP Sample						
Solids, Total	87.5	86.1	%	2		20

Project Name: LOUCKS RD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2359925
Report Date: 10/16/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	*Custody Seal*
A	Absent

Container Information

Container ID	*Container Type*	*Cooler*	*Initial pH*	*Final pH*	*Temp deg C*	*Pres*	*Seal*	*Frozen Date/Time*	*Analysis(*)*
L2359925-01A	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2359925-01B	Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8082(365)

*Values in parentheses indicate holding time in days

Project Name:	LOUCKS RD EXTENSION	**Lab Number:**	L2359925
Project Number:	EE1705007.0032	**Report Date:**	10/16/23

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS RD EXTENSION	**Lab Number:**	L2359925
Project Number:	EE1705007.0032	**Report Date:**	10/16/23

Footnotes

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

Terms

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

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

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

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS RD EXTENSION	**Lab Number:**	L2359925
Project Number:	EE1705007.0032	**Report Date:**	10/16/23

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	LOUCKS RD EXTENSION	**Lab Number:**	L2359925
Project Number:	EE1705007.0032	**Report Date:**	10/16/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

L2359925 KSL 10/10/23

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of 4

Date Rec'd in Lab: 9/28/23

ALPHA Job #: ~~L2356902~~

Client Information

Client: EEE
Address: 40 La Riviere Dr
Buffalo NY 14214
Phone: 720-733-7031
Fax:
Email: Drew.Bullinger@WSP.com

Project Information

Project Name: Loucks Rd Extension
Project Location: DEWitt
Project #: EE170 5007.0037
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

NYTCL-8082 (1D)
TS
NYTCL-8082, TI

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8082 (1D)	TS	NYTCL-8082, TI	Sample Specific Comments
~~359925-01~~	SB53-20-2	9/26/23	14:59	SOIL	DB	1	1		
-02	SB53-26-12	9/26/23	15:01	SOIL	DB	1	1		
-03	SB53-212-24	9/26/23	15:03	SOIL	DB	1	1		
-04	SB53-224-36	9/26/23	15:05	SOIL	DB	1	1		HOLD
-05	SB52-20-2	9/26/23	15:38	SOIL	DB	1	1		
-06	SB52-26-12	9/26/23	15:40	SOIL	DB	1	1		
-07	SB52-212-24	9/26/23	15:42	SOIL	DB	1	1		
-08	SB52-224-36	9/26/23	15:44	SOIL	DB	1	1	X	~~HOLD~~
-09	SB51-20-2	9/26/23	16:34	SOIL	DB	1	1		
-10	SB51-20-2-Q	9/26/23	16:40	SOIL	DB	1	1		

Container Type: A P
Preservative: A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	9/27/23 16:30	AAL SS	9/27/23 1830
AAL SS	9/27/23 19:10	Jim Cleary	9/27/23 19:10
Jim Cleary	9/27/23 19:10		9/28/23 00:10

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2374408
Client:	WSP 40 La Riviere Drive Suite 320 Buffalo, NY 14202
ATTN:	Drew Bullinger
Phone:	(716) 204-5880
Project Name:	LOUCKS ROAD EXTENSION
Project Number:	EE1705007.0032
Report Date:	01/02/24

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374408
Report Date: 01/02/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2374408-01	SB43-Z72-78	SOIL	DEWITT	12/13/23 10:30	12/15/23
L2374408-02	SB43-Z60-66	SOIL	DEWITT	12/13/23 10:28	12/15/23
L2374408-03	SB59-Z0-2	SOIL	DEWITT	12/13/23 11:00	12/15/23
L2374408-04	SB59-Z6-12	SOIL	DEWITT	12/13/23 11:02	12/15/23
L2374408-05	SB59-12-24	SOIL	DEWITT	12/13/23 11:04	12/15/23
L2374408-06	OS-SS-12-Z12-24	SOIL	DEWITT	12/13/23 10:44	12/15/23
L2374408-07	OS-SS-12-Z24-36	SOIL	DEWITT	12/13/23 10:46	12/15/23
L2374408-08	OS-SS-12-Z36-42	SOIL	DEWITT	12/13/23 10:48	12/15/23
L2374408-09	OS-SS-12-Z42-48	SOIL	DEWITT	12/13/23 10:50	12/15/23
L2374408-10	SB63-Z12-24	SOIL	DEWITT	12/13/23 11:49	12/15/23
L2374408-11	SB63-Z24-36	SOIL	DEWITT	12/13/23 11:51	12/15/23
L2374408-12	SB63-Z12-24-Q	SOIL	DEWITT	12/13/23 11:47	12/15/23
L2374408-13	SB73-Z0-2	SOIL	DEWITT	12/13/23 11:58	12/15/23
L2374408-14	SB73-Z6-12	SOIL	DEWITT	12/13/23 12:00	12/15/23
L2374408-15	SB73-Z12-24	SOIL	DEWITT	12/13/23 12:02	12/15/23
L2374408-16	SB73-Z24-36	SOIL	DEWITT	12/13/23 12:04	12/15/23
L2374408-17	SB74-Z0-2	SOIL	DEWITT	12/13/23 12:30	12/15/23
L2374408-18	SB74-Z6-12	SOIL	DEWITT	12/13/23 12:32	12/15/23
L2374408-19	SB74-Z12-18	SOIL	DEWITT	12/13/23 12:34	12/15/23
L2374408-20	SB72-Z0-2	SOIL	DEWITT	12/13/23 12:06	12/15/23
L2374408-21	SB72-Z6-12	SOIL	DEWITT	12/13/23 12:08	12/15/23
L2374408-22	SB72-Z12-24	SOIL	DEWITT	12/13/23 12:10	12/15/23
L2374408-23	SB72-Z24-36	SOIL	DEWITT	12/13/23 12:12	12/15/23
L2374408-24	SB75-Z0-2	SOIL	DEWITT	12/13/23 12:40	12/15/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2374408-25	SB75-6-12	SOIL	DEWITT	12/13/23 12:42	12/15/23
L2374408-26	SB75-Z12-18	SOIL	DEWITT	12/13/23 12:44	12/15/23
L2374408-27	OS-SS-20-Z6-12	SOIL	DEWITT	12/13/23 13:06	12/15/23
L2374408-28	OS-SS-20-Z12-24	SOIL	DEWITT	12/13/23 13:08	12/15/23
L2374408-29	OS-SS-20-Z24-36	SOIL	DEWITT	12/13/23 13:10	12/15/23

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374408
Project Number:	EE1705007.0032	**Report Date:**	01/02/24

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374408
Project Number:	EE1705007.0032	**Report Date:**	01/02/24

Case Narrative (continued)

Report Submission

January 02, 2024: This final report includes the results of all requested analyses.

December 22, 2023: This is a preliminary report.

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

PCBs

L2374408-02, -06D, -07, -13D, -17, -18, -19, and -20: The sample contains peaks which match the retention times for Aroclor 1248, but do not match the area ratios typical for this aroclor. The result for Aroclor 1248 is reported as "weathered".

L2374408-06D and -27D: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%/0%) and decachlorobiphenyl (0%/0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 01/02/24

ORGANICS

PCBS

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374408

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-02
Client ID: SB43-Z60-66
Sample Location: DEWITT

Date Collected: 12/13/23 10:28
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 09:56
Analyst: ER
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 00:19
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.2	4.64	1	A
Aroclor 1221	ND		ug/kg	52.2	5.23	1	A
Aroclor 1232	ND		ug/kg	52.2	11.1	1	A
Aroclor 1242	ND		ug/kg	52.2	7.04	1	A
Aroclor 1248	456		ug/kg	52.2	7.83	1	A
Aroclor 1254	ND		ug/kg	52.2	5.71	1	A
Aroclor 1260	ND		ug/kg	52.2	9.65	1	A
Aroclor 1262	ND		ug/kg	52.2	6.63	1	A
Aroclor 1268	ND		ug/kg	52.2	5.41	1	A
PCBs, Total	456		ug/kg	52.2	4.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374408

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-03
Client ID: SB59-Z0-2
Sample Location: DEWITT

Date Collected: 12/13/23 11:00
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 10:06
Analyst: ER
Percent Solids: 69%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 00:19
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	66.4	5.90	1	A
Aroclor 1221	ND		ug/kg	66.4	6.65	1	A
Aroclor 1232	ND		ug/kg	66.4	14.1	1	A
Aroclor 1242	ND		ug/kg	66.4	8.95	1	A
Aroclor 1248	57.8	J	ug/kg	66.4	9.96	1	A
Aroclor 1254	ND		ug/kg	66.4	7.26	1	A
Aroclor 1260	ND		ug/kg	66.4	12.3	1	A
Aroclor 1262	ND		ug/kg	66.4	8.43	1	A
Aroclor 1268	ND		ug/kg	66.4	6.88	1	A
PCBs, Total	57.8	J	ug/kg	66.4	5.90	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374408

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-04
Client ID: SB59-Z6-12
Sample Location: DEWITT

Date Collected: 12/13/23 11:02
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 10:16
Analyst: ER
Percent Solids: 71%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 00:19
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	64.9	5.76	1	A
Aroclor 1221	ND		ug/kg	64.9	6.50	1	A
Aroclor 1232	ND		ug/kg	64.9	13.8	1	A
Aroclor 1242	ND		ug/kg	64.9	8.75	1	A
Aroclor 1248	20.3	J	ug/kg	64.9	9.73	1	B
Aroclor 1254	ND		ug/kg	64.9	7.10	1	A
Aroclor 1260	ND		ug/kg	64.9	12.0	1	A
Aroclor 1262	ND		ug/kg	64.9	8.24	1	A
Aroclor 1268	ND		ug/kg	64.9	6.72	1	A
PCBs, Total	20.3	J	ug/kg	64.9	5.76	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	45		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	42		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374408

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-06 D
Client ID: OS-SS-12-Z12-24
Sample Location: DEWITT

Date Collected: 12/13/23 10:44
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 13:02
Analyst: EMR
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 00:19
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1090	96.9	20	A
Aroclor 1221	ND		ug/kg	1090	109.	20	A
Aroclor 1232	ND		ug/kg	1090	231.	20	A
Aroclor 1242	ND		ug/kg	1090	147.	20	A
Aroclor 1248	3310		ug/kg	1090	164.	20	A
Aroclor 1254	ND		ug/kg	1090	119.	20	A
Aroclor 1260	ND		ug/kg	1090	202.	20	A
Aroclor 1262	ND		ug/kg	1090	138.	20	A
Aroclor 1268	ND		ug/kg	1090	113.	20	A
PCBs, Total	3310		ug/kg	1090	96.9	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374408
Project Number: EE1705007.0032
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-07
Client ID: OS-SS-12-Z24-36
Sample Location: DEWITT

Date Collected: 12/13/23 10:46
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 10:26
Analyst: ER
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 00:19
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.6	4.94	1	A
Aroclor 1221	ND		ug/kg	55.6	5.58	1	A
Aroclor 1232	ND		ug/kg	55.6	11.8	1	A
Aroclor 1242	ND		ug/kg	55.6	7.50	1	A
Aroclor 1248	391		ug/kg	55.6	8.35	1	A
Aroclor 1254	ND		ug/kg	55.6	6.09	1	A
Aroclor 1260	ND		ug/kg	55.6	10.3	1	A
Aroclor 1262	ND		ug/kg	55.6	7.07	1	A
Aroclor 1268	ND		ug/kg	55.6	5.77	1	A
PCBs, Total	391		ug/kg	55.6	4.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374408

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-10
Client ID: SB63-Z12-24
Sample Location: DEWITT

Date Collected: 12/13/23 11:49
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 09:34
Analyst: AKM
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 00:19
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.4	5.00	1	A
Aroclor 1221	ND		ug/kg	56.4	5.65	1	A
Aroclor 1232	ND		ug/kg	56.4	12.0	1	A
Aroclor 1242	ND		ug/kg	56.4	7.60	1	A
Aroclor 1248	ND		ug/kg	56.4	8.46	1	A
Aroclor 1254	ND		ug/kg	56.4	6.17	1	A
Aroclor 1260	ND		ug/kg	56.4	10.4	1	A
Aroclor 1262	ND		ug/kg	56.4	7.16	1	A
Aroclor 1268	ND		ug/kg	56.4	5.84	1	A
PCBs, Total	ND		ug/kg	56.4	5.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374408
Project Number: EE1705007.0032
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-11
Client ID: SB63-Z24-36
Sample Location: DEWITT

Date Collected: 12/13/23 11:51
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 09:42
Analyst: AKM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 00:19
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.3	4.74	1	A
Aroclor 1221	ND		ug/kg	53.3	5.34	1	A
Aroclor 1232	ND		ug/kg	53.3	11.3	1	A
Aroclor 1242	ND		ug/kg	53.3	7.19	1	A
Aroclor 1248	18.7	J	ug/kg	53.3	8.00	1	B
Aroclor 1254	ND		ug/kg	53.3	5.84	1	A
Aroclor 1260	ND		ug/kg	53.3	9.86	1	A
Aroclor 1262	ND		ug/kg	53.3	6.77	1	A
Aroclor 1268	ND		ug/kg	53.3	5.52	1	A
PCBs, Total	18.7	J	ug/kg	53.3	4.74	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374408

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-12
Client ID: SB63-Z12-24-Q
Sample Location: DEWITT

Date Collected: 12/13/23 11:47
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 09:49
Analyst: AKM
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 00:19
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.6	5.21	1	A
Aroclor 1221	ND		ug/kg	58.6	5.87	1	A
Aroclor 1232	ND		ug/kg	58.6	12.4	1	A
Aroclor 1242	ND		ug/kg	58.6	7.90	1	A
Aroclor 1248	ND		ug/kg	58.6	8.79	1	A
Aroclor 1254	ND		ug/kg	58.6	6.41	1	A
Aroclor 1260	ND		ug/kg	58.6	10.8	1	A
Aroclor 1262	ND		ug/kg	58.6	7.44	1	A
Aroclor 1268	ND		ug/kg	58.6	6.07	1	A
PCBs, Total	ND		ug/kg	58.6	5.21	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374408

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-13 D
Client ID: SB73-Z0-2
Sample Location: DEWITT

Date Collected: 12/13/23 11:58
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 13:12
Analyst: EMR
Percent Solids: 57%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 00:19
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	402	35.7	5	A
Aroclor 1221	ND		ug/kg	402	40.3	5	A
Aroclor 1232	ND		ug/kg	402	85.3	5	A
Aroclor 1242	ND		ug/kg	402	54.2	5	A
Aroclor 1248	1080		ug/kg	402	60.4	5	A
Aroclor 1254	ND		ug/kg	402	44.0	5	A
Aroclor 1260	ND		ug/kg	402	74.4	5	A
Aroclor 1262	ND		ug/kg	402	51.1	5	A
Aroclor 1268	ND		ug/kg	402	41.7	5	A
PCBs, Total	1080		ug/kg	402	35.7	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374408

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-14
Client ID: SB73-Z6-12
Sample Location: DEWITT

Date Collected: 12/13/23 12:00
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 10:04
Analyst: AKM
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 00:19
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.8	4.87	1	A
Aroclor 1221	ND		ug/kg	54.8	5.49	1	A
Aroclor 1232	ND		ug/kg	54.8	11.6	1	A
Aroclor 1242	ND		ug/kg	54.8	7.39	1	A
Aroclor 1248	ND		ug/kg	54.8	8.22	1	A
Aroclor 1254	ND		ug/kg	54.8	6.00	1	A
Aroclor 1260	ND		ug/kg	54.8	10.1	1	A
Aroclor 1262	ND		ug/kg	54.8	6.96	1	A
Aroclor 1268	ND		ug/kg	54.8	5.68	1	A
PCBs, Total	ND		ug/kg	54.8	4.87	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374408

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-15
Client ID: SB73-Z12-24
Sample Location: DEWITT

Date Collected: 12/13/23 12:02
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 10:12
Analyst: AKM
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 00:19
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.0	4.88	1	A
Aroclor 1221	ND		ug/kg	55.0	5.51	1	A
Aroclor 1232	ND		ug/kg	55.0	11.6	1	A
Aroclor 1242	ND		ug/kg	55.0	7.41	1	A
Aroclor 1248	ND		ug/kg	55.0	8.25	1	A
Aroclor 1254	ND		ug/kg	55.0	6.01	1	A
Aroclor 1260	ND		ug/kg	55.0	10.2	1	A
Aroclor 1262	ND		ug/kg	55.0	6.98	1	A
Aroclor 1268	ND		ug/kg	55.0	5.70	1	A
PCBs, Total	ND		ug/kg	55.0	4.88	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374408

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-17
Client ID: SB74-Z0-2
Sample Location: DEWITT

Date Collected: 12/13/23 12:30
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 10:19
Analyst: AKM
Percent Solids: 70%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 00:19
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	69.4	6.17	1	A
Aroclor 1221	ND		ug/kg	69.4	6.96	1	A
Aroclor 1232	ND		ug/kg	69.4	14.7	1	A
Aroclor 1242	ND		ug/kg	69.4	9.36	1	A
Aroclor 1248	122		ug/kg	69.4	10.4	1	A
Aroclor 1254	ND		ug/kg	69.4	7.60	1	A
Aroclor 1260	ND		ug/kg	69.4	12.8	1	A
Aroclor 1262	ND		ug/kg	69.4	8.82	1	A
Aroclor 1268	ND		ug/kg	69.4	7.20	1	A
PCBs, Total	122		ug/kg	69.4	6.17	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374408

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-18
Client ID: SB74-Z6-12
Sample Location: DEWITT

Date Collected: 12/13/23 12:32
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 10:27
Analyst: AKM
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 00:19
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	63.5	5.64	1	A
Aroclor 1221	ND		ug/kg	63.5	6.36	1	A
Aroclor 1232	ND		ug/kg	63.5	13.5	1	A
Aroclor 1242	ND		ug/kg	63.5	8.56	1	A
Aroclor 1248	144		ug/kg	63.5	9.53	1	A
Aroclor 1254	ND		ug/kg	63.5	6.95	1	A
Aroclor 1260	ND		ug/kg	63.5	11.7	1	A
Aroclor 1262	ND		ug/kg	63.5	8.07	1	A
Aroclor 1268	ND		ug/kg	63.5	6.58	1	A
PCBs, Total	144		ug/kg	63.5	5.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374408

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-19
Client ID: SB74-Z12-18
Sample Location: DEWITT

Date Collected: 12/13/23 12:34
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 10:34
Analyst: AKM
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 00:19
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.2	5.08	1	A
Aroclor 1221	ND		ug/kg	57.2	5.73	1	A
Aroclor 1232	ND		ug/kg	57.2	12.1	1	A
Aroclor 1242	ND		ug/kg	57.2	7.71	1	A
Aroclor 1248	83.1		ug/kg	57.2	8.58	1	A
Aroclor 1254	ND		ug/kg	57.2	6.26	1	A
Aroclor 1260	ND		ug/kg	57.2	10.6	1	A
Aroclor 1262	ND		ug/kg	57.2	7.26	1	A
Aroclor 1268	ND		ug/kg	57.2	5.92	1	A
PCBs, Total	83.1		ug/kg	57.2	5.08	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374408

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-20
Client ID: SB72-Z0-2
Sample Location: DEWITT

Date Collected: 12/13/23 12:06
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 13:42
Analyst: EMR
Percent Solids: 64%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 00:19
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	75.9	6.74	1	A
Aroclor 1221	ND		ug/kg	75.9	7.61	1	A
Aroclor 1232	ND		ug/kg	75.9	16.1	1	A
Aroclor 1242	ND		ug/kg	75.9	10.2	1	A
Aroclor 1248	79.3		ug/kg	75.9	11.4	1	B
Aroclor 1254	ND		ug/kg	75.9	8.31	1	A
Aroclor 1260	20.2	J	ug/kg	75.9	14.0	1	B
Aroclor 1262	ND		ug/kg	75.9	9.64	1	A
Aroclor 1268	ND		ug/kg	75.9	7.86	1	A
PCBs, Total	99.5	J	ug/kg	75.9	6.74	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374408

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-21
Client ID: SB72-Z6-12
Sample Location: DEWITT

Date Collected: 12/13/23 12:08
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 13:52
Analyst: EMR
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 00:19
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	64.3	5.71	1	A
Aroclor 1221	ND		ug/kg	64.3	6.44	1	A
Aroclor 1232	ND		ug/kg	64.3	13.6	1	A
Aroclor 1242	ND		ug/kg	64.3	8.66	1	A
Aroclor 1248	15.1	J	ug/kg	64.3	9.64	1	B
Aroclor 1254	ND		ug/kg	64.3	7.03	1	A
Aroclor 1260	ND		ug/kg	64.3	11.9	1	A
Aroclor 1262	ND		ug/kg	64.3	8.16	1	A
Aroclor 1268	ND		ug/kg	64.3	6.66	1	A
PCBs, Total	15.1	J	ug/kg	64.3	5.71	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374408
Project Number: EE1705007.0032
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-22
Client ID: SB72-Z12-24
Sample Location: DEWITT

Date Collected: 12/13/23 12:10
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 14:02
Analyst: EMR
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 00:19
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.4	4.83	1	A
Aroclor 1221	ND		ug/kg	54.4	5.45	1	A
Aroclor 1232	ND		ug/kg	54.4	11.5	1	A
Aroclor 1242	ND		ug/kg	54.4	7.33	1	A
Aroclor 1248	ND		ug/kg	54.4	8.16	1	A
Aroclor 1254	ND		ug/kg	54.4	5.95	1	A
Aroclor 1260	ND		ug/kg	54.4	10.0	1	A
Aroclor 1262	ND		ug/kg	54.4	6.91	1	A
Aroclor 1268	ND		ug/kg	54.4	5.64	1	A
PCBs, Total	ND		ug/kg	54.4	4.83	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374408

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-24
Client ID: SB75-Z0-2
Sample Location: DEWITT

Date Collected: 12/13/23 12:40
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 11:28
Analyst: ER
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 00:00
Cleanup Method: EPA 3665A
Cleanup Date: 12/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.4	5.01	1	A
Aroclor 1221	ND		ug/kg	56.4	5.65	1	A
Aroclor 1232	ND		ug/kg	56.4	12.0	1	A
Aroclor 1242	ND		ug/kg	56.4	7.60	1	A
Aroclor 1248	149		ug/kg	56.4	8.46	1	A
Aroclor 1254	ND		ug/kg	56.4	6.17	1	A
Aroclor 1260	ND		ug/kg	56.4	10.4	1	A
Aroclor 1262	ND		ug/kg	56.4	7.16	1	A
Aroclor 1268	ND		ug/kg	56.4	5.84	1	A
PCBs, Total	149		ug/kg	56.4	5.01	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374408

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-25
Client ID: SB75-6-12
Sample Location: DEWITT

Date Collected: 12/13/23 12:42
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 11:41
Analyst: ER
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 00:00
Cleanup Method: EPA 3665A
Cleanup Date: 12/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.2	4.90	1	A
Aroclor 1221	ND		ug/kg	55.2	5.53	1	A
Aroclor 1232	ND		ug/kg	55.2	11.7	1	A
Aroclor 1242	ND		ug/kg	55.2	7.44	1	A
Aroclor 1248	84.2		ug/kg	55.2	8.28	1	B
Aroclor 1254	ND		ug/kg	55.2	6.04	1	A
Aroclor 1260	ND		ug/kg	55.2	10.2	1	A
Aroclor 1262	ND		ug/kg	55.2	7.01	1	A
Aroclor 1268	ND		ug/kg	55.2	5.72	1	A
PCBs, Total	84.2		ug/kg	55.2	4.90	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374408
Project Number: EE1705007.0032
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-26
Client ID: SB75-Z12-18
Sample Location: DEWITT

Date Collected: 12/13/23 12:44
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 12:06
Analyst: ER
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 00:00
Cleanup Method: EPA 3665A
Cleanup Date: 12/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.8	4.96	1	A
Aroclor 1221	ND		ug/kg	55.8	5.60	1	A
Aroclor 1232	ND		ug/kg	55.8	11.8	1	A
Aroclor 1242	ND		ug/kg	55.8	7.53	1	A
Aroclor 1248	30.3	J	ug/kg	55.8	8.38	1	A
Aroclor 1254	ND		ug/kg	55.8	6.11	1	A
Aroclor 1260	ND		ug/kg	55.8	10.3	1	A
Aroclor 1262	ND		ug/kg	55.8	7.09	1	A
Aroclor 1268	ND		ug/kg	55.8	5.78	1	A
PCBs, Total	30.3	J	ug/kg	55.8	4.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374408
Project Number: EE1705007.0032
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-27 D
Client ID: OS-SS-20-Z6-12
Sample Location: DEWITT

Date Collected: 12/13/23 13:06
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 12:49
Analyst: MEO
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 00:00
Cleanup Method: EPA 3665A
Cleanup Date: 12/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1140	101.	20	A
Aroclor 1221	ND		ug/kg	1140	114.	20	A
Aroclor 1232	ND		ug/kg	1140	242.	20	A
Aroclor 1242	ND		ug/kg	1140	154.	20	A
Aroclor 1248	2020		ug/kg	1140	171.	20	A
Aroclor 1254	ND		ug/kg	1140	125.	20	A
Aroclor 1260	ND		ug/kg	1140	211.	20	A
Aroclor 1262	ND		ug/kg	1140	145.	20	A
Aroclor 1268	ND		ug/kg	1140	118.	20	A
PCBs, Total	2020		ug/kg	1140	101.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374408
Project Number: EE1705007.0032
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-28
Client ID: OS-SS-20-Z12-24
Sample Location: DEWITT

Date Collected: 12/13/23 13:08
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 12:56
Analyst: ER
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 00:00
Cleanup Method: EPA 3665A
Cleanup Date: 12/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.7	5.04	1	A
Aroclor 1221	ND		ug/kg	56.7	5.68	1	A
Aroclor 1232	ND		ug/kg	56.7	12.0	1	A
Aroclor 1242	ND		ug/kg	56.7	7.64	1	A
Aroclor 1248	97.4		ug/kg	56.7	8.51	1	A
Aroclor 1254	ND		ug/kg	56.7	6.20	1	A
Aroclor 1260	ND		ug/kg	56.7	10.5	1	A
Aroclor 1262	ND		ug/kg	56.7	7.20	1	A
Aroclor 1268	ND		ug/kg	56.7	5.88	1	A
PCBs, Total	97.4		ug/kg	56.7	5.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374408
Report Date: 01/02/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/19/23 18:05
Analyst: ER

Extraction Method: EPA 3546
Extraction Date: 12/19/23 04:42
Cleanup Method: EPA 3665A
Cleanup Date: 12/19/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/19/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 24-28 Batch: WG1865578-1						
Aroclor 1016	ND		ug/kg	47.5	4.22	A
Aroclor 1221	ND		ug/kg	47.5	4.76	A
Aroclor 1232	ND		ug/kg	47.5	10.1	A
Aroclor 1242	ND		ug/kg	47.5	6.40	A
Aroclor 1248	ND		ug/kg	47.5	7.12	A
Aroclor 1254	ND		ug/kg	47.5	5.19	A
Aroclor 1260	ND		ug/kg	47.5	8.77	A
Aroclor 1262	ND		ug/kg	47.5	6.03	A
Aroclor 1268	ND		ug/kg	47.5	4.92	A
PCBs, Total	ND		ug/kg	47.5	4.22	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374408

Project Number: EE1705007.0032 **Report Date:** 01/02/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/21/23 09:36
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 12/20/23 00:18
Cleanup Method: EPA 3665A
Cleanup Date: 12/20/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02-04,06-07,10-15,17-22 Batch: WG1866092-1						
Aroclor 1016	ND		ug/kg	47.4	4.21	A
Aroclor 1221	ND		ug/kg	47.4	4.75	A
Aroclor 1232	ND		ug/kg	47.4	10.0	A
Aroclor 1242	ND		ug/kg	47.4	6.39	A
Aroclor 1248	ND		ug/kg	47.4	7.11	A
Aroclor 1254	ND		ug/kg	47.4	5.18	A
Aroclor 1260	ND		ug/kg	47.4	8.76	A
Aroclor 1262	ND		ug/kg	47.4	6.02	A
Aroclor 1268	ND		ug/kg	47.4	4.91	A
PCBs, Total	ND		ug/kg	47.4	4.21	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	74		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2374408

Report Date: 01/02/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 24-28 Batch: WG1865578-2 WG1865578-3									
Aroclor 1016	93		91		40-140	2		50	A
Aroclor 1260	94		92		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		85		30-150	A
Decachlorobiphenyl	87		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		91		30-150	B
Decachlorobiphenyl	82		79		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374408
Report Date: 01/02/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-04,06-07,10-15,17-22 Batch: WG1866092-2 WG1866092-3									
Aroclor 1016	75		70		40-140	7		50	A
Aroclor 1260	85		83		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		65		30-150	A
Decachlorobiphenyl	85		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		68		30-150	B
Decachlorobiphenyl	79		74		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2374408

Report Date: 01/02/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-04,06-07,10-15,17-22 QC Batch ID: WG1866092-4 WG1866092-5 QC Sample: L2374408-13 Client ID: SB73-Z0-2													
Aroclor 1016	ND	546	428J	79		353J	69		40-140	19		50	A
Aroclor 1260	ND	546	443	81		369J	72		40-140	18		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		46		30-150	A
Decachlorobiphenyl	51		43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		49		30-150	B
Decachlorobiphenyl	54		46		30-150	B

INORGANICS
&
MISCELLANEOUS

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374408
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-02
Client ID: SB43-Z60-66
Sample Location: DEWITT

Date Collected: 12/13/23 10:28
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.9		%	0.100	NA	1	-	12/19/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374408
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-03
Client ID: SB59-Z0-2
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 11:00
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	69.4		%	0.100	NA	1	-	12/19/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374408
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-04
Client ID: SB59-Z6-12
Sample Location: DEWITT

Date Collected: 12/13/23 11:02
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.5		%	0.100	NA	1	-	12/19/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374408
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-06
Client ID: OS-SS-12-Z12-24
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 10:44
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.2		%	0.100	NA	1	-	12/19/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374408
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-07
Client ID: OS-SS-12-Z24-36
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 10:46
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.3		%	0.100	NA	1	-	12/19/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374408
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-10
Client ID: SB63-Z12-24
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 11:49
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.0		%	0.100	NA	1	-	12/19/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374408
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-11
Client ID: SB63-Z24-36
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 11:51
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.6		%	0.100	NA	1	-	12/19/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374408
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-12
Client ID: SB63-Z12-24-Q
Sample Location: DEWITT

Date Collected: 12/13/23 11:47
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.8		%	0.100	NA	1	-	12/19/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374408
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-13
Client ID: SB73-Z0-2
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 11:58
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	57.0		%	0.100	NA	1	-	12/19/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374408
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-14
Client ID: SB73-Z6-12
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 12:00
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.5		%	0.100	NA	1	-	12/19/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374408
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-15
Client ID: SB73-Z12-24
Sample Location: DEWITT

Date Collected: 12/13/23 12:02
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.0		%	0.100	NA	1	-	12/19/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374408
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-17
Client ID: SB74-Z0-2
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 12:30
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	70.1		%	0.100	NA	1	-	12/19/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374408
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-18
Client ID: SB74-Z6-12
Sample Location: DEWITT

Date Collected: 12/13/23 12:32
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.9		%	0.100	NA	1	-	12/19/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374408
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-19
Client ID: SB74-Z12-18
Sample Location: DEWITT

Date Collected: 12/13/23 12:34
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.5		%	0.100	NA	1	-	12/19/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374408
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-20
Client ID: SB72-Z0-2
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 12:06
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	64.0		%	0.100	NA	1	-	12/19/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374408
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-21
Client ID: SB72-Z6-12
Sample Location: DEWITT

Date Collected: 12/13/23 12:08
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.3		%	0.100	NA	1	-	12/19/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374408
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-22
Client ID: SB72-Z12-24
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 12:10
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.7		%	0.100	NA	1	-	12/19/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374408
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-24
Client ID: SB75-Z0-2
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 12:40
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.4		%	0.100	NA	1	-	12/19/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374408
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-25
Client ID: SB75-6-12
Sample Location: DEWITT

Date Collected: 12/13/23 12:42
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	12/19/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374408
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-26
Client ID: SB75-Z12-18
Sample Location: DEWITT

Date Collected: 12/13/23 12:44
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.3		%	0.100	NA	1	-	12/19/23 12:49	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374408
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-27
Client ID: OS-SS-20-Z6-12
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 13:06
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.9		%	0.100	NA	1	-	12/19/23 13:05	121,2540G	ROI

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374408
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374408-28
Client ID: OS-SS-20-Z12-24
Sample Location: DEWITT

Date Collected: 12/13/23 13:08
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.4		%	0.100	NA	1	-	12/19/23 13:05	121,2540G	ROI

Lab Duplicate Analysis
Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374408
Report Date: 01/02/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-04,06-07,10-15,17-22,24-26 QC Batch ID: WG1865835-1 QC Sample: L2374408-13 Client ID: SB73-Z0-2						
Solids, Total	57.0	57.0	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 27-28 QC Batch ID: WG1865836-1 QC Sample: L2374604-01 Client ID: DUP Sample						
Solids, Total	78.9	78.0	%	1		20

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374408
Report Date: 01/02/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2374408-01A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-8082(14)
L2374408-01B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		HOLD-WETCHEM()
L2374408-02A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-02B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374408-03A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-03B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374408-04A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-04B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374408-05A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-8082(14)
L2374408-05B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		HOLD-WETCHEM()
L2374408-06A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-06B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374408-07A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-07B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374408-08A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-8082(14)
L2374408-08B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		HOLD-WETCHEM()
L2374408-09A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-8082(14)
L2374408-09B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		HOLD-WETCHEM()
L2374408-10A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-10B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374408-11A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-11B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374408
Report Date: 01/02/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2374408-12A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-12B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374408-13A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-13A1	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-13A2	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-13B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374408-13B1	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374408-13B2	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374408-14A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-14B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374408-15A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-15B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374408-16A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-8082(14)
L2374408-16B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		HOLD-WETCHEM()
L2374408-17A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-17B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374408-18A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-18B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374408-19A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-19B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374408-20A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-20B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374408-21A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-21B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374408-22A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-22B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374408-23A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-8082(14)
L2374408-23B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		HOLD-WETCHEM()

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374408
Report Date: 01/02/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2374408-24A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-24B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374408-25A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-25B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374408-26A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-26B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374408-27A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-27B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374408-28A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374408-28B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374408-29A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-8082(14)
L2374408-29B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		HOLD-WETCHEM()

*Values in parentheses indicate holding time in days

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374408
Project Number:	EE1705007.0032	**Report Date:**	01/02/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374408
Project Number:	EE1705007.0032	**Report Date:**	01/02/24

Footnotes

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

Terms

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

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

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

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374408
Project Number:	EE1705007.0032	**Report Date:**	01/02/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374408
Project Number:	EE1705007.0032	**Report Date:**	01/02/24

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

ALPHA

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 14

Date Rec'd in Lab: 12/16/23

ALPHA Job #: L2374408

Client Information
Client: WSP USA
Address: 40 La Riviere Dr
Buffalo NY 14202
Phone: 716-737-7033
Fax:
Email: Drew.Bullinger@wsp.com

Project Information
Project Name: Loucks Road Extension
Project Location: ~~Albany~~ DeWitt
Project # EE 170 5007.0032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables
[ ] ASP-A [ ] ASP-B
[X] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement
[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information
[ ] Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8260-R2 (R)	TS	Sample Specific Comments
74408-01	SB43-2 ~~(4-6)~~ 7.7-7.8	12/13/23	10:30	S	DB	X	X	HOLD
02	SB43-2 ~~(5-6)~~ 6.0-6.6	12/13/23	10:38	S	DB	X	X	
03	~~DS~~ SB59-20-2	12/13/23	11:00	S	DB	X	X	
04	SB59-26-12	12/13/23	11:02	S	DB	X	X	
05	SB59-12-24	12/13/23	11:04	S	DB	X	X	HOLD
	~~SB59-24-36~~							
06	OS-SS-12-12-24	12/13/23	10:44	S	DB	X	X	
07	OS-SS-12-24-36	12/13/23	10:46	S	DB	X	X	
08	OS-SS-12-36-42	12/13/23	10:48	S	DB	X	X	Hold
09	OS-SS-12-42-48	12/13/23	10:50	S	DB	X	X	HOLD

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P											
Preservative	A	A											

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	12/15/23 1600	[signature]	12/15 1600
[signature]	12/15 1700	[signature]	12/16/23 0115

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 14

Date Rec'd in Lab: 12/16/23

ALPHA Job #: L2374408

Client Information

Client: WSP USA
Address: 40 La Riviere Dr
Buffalo NY 14202
Phone: 720 737 7033
Fax:
Email: Drew.Bullinger@wsp.com

Project Information

Project Name: Loucks Road Extension
Project Location: Dewitt
Project # EE170 5007.0052
(Use Project name as Project #) ☐
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL

Deliverables

☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8260 (soil)	TS	MS/MSD						Sample Specific Comments
74408-10	SB63-2 12-24	12/13/23	11:43	S	DB	X	X							
11	SB63-2 24-36	12/13/23	11:51	S	DB	X	X							
12	SB63-2 12-24-D	12/13/23	11:47	S	DB	X	/							
13	SB73-2 0-2	12/13/23	11:58	S	DB	X	/	X						MS/MSD
14	SB73-2 6-12	12/13/23	12:00	S	DB	/	/							
15	SB73-2 12-24	12/13/23	12:02	S	DB	/	/							
16	SB73-2 24-36	12/13/23	12:04	S	DB		/							HOLD
17	SB74-2 0-2	12/13/23	12:30	S	DB	/	/							
18	SB74-2 6-12	12/13/23	12:32	S	DB	/	/							
19	SB74-2 12-18	12/13/23	12:34	S	DB	/	/							

Sample Filtration

☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottles

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P											
Preservative	A	A											

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	12/15/23 16:00	Ryan Murphy	12/15 1600
Ryan Murphy	12/15 1700		12/16/23 0115

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of 14

Date Rec'd in Lab: 12/16/23

ALPHA Job #: L2374408

Client Information

Client: WSP USA
Address: 40 La Riviere Dr
Buffalo NY 14202
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information

Project Name: Loucks Rd Extension
Project Location: Dewitt
Project #: EE180 5007.0037
(Use Project name as Project #) ☐
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

NY TCL - 8082 (PCB) | TS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NY TCL - 8082 (PCB)	TS	Sample Specific Comments
74408-20	SB72-20-2	12/13/23	12:06	S	DB	1	1	
21	SB72-26-12	12/13/23	12:08	S	DB	1	1	
22	SB72-12-24	12/13/23	12:10	S	DB	1	1	
23	SB72-24-36	12/13/23	12:12	S	DB	1	1	HOLD
24	SB75-20-2	12/13/23	12:40	S	DB	1	1	
25	SB75-26-12	12/13/23	12:42	S	DB	1	1	
26	SB75-12-18	12/13/23	12:44	S	DB	1	1	
27	DS-SS-20-26-12	12/13/23	13:06	S	DB	1	1	
28	DS-SS-20-2 12-24	12/13/23	13:08	S	DB	1	1	
29	DS-SS-20-2 24-36	12/13/23	13:10	S	DB	1	1	HOLD

Container Type: A P
Preservative: A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	12/15/23 16:00	Ryan Murphy	12/15 1603
Ryan Murphy	12/15 1700	[illegible]	12/16/23 0115

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2374435
Client:	WSP 40 La Riviere Drive Suite 320 Buffalo, NY 14202
ATTN:	Drew Bullinger
Phone:	(716) 204-5880
Project Name:	LOUCKS ROAD EXTENSION
Project Number:	EE1705007.0032
Report Date:	01/02/24

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374435
Report Date: 01/02/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2374435-01	SB71-Z0-2	SOIL	DEWITT	12/13/23 12:50	12/15/23
L2374435-02	SB71-Z6-12	SOIL	DEWITT	12/13/23 12:52	12/15/23
L2374435-03	SB71-Z12-24	SOIL	DEWITT	12/13/23 12:54	12/15/23
L2374435-04	SB71-Z24-36	SOIL	DEWITT	12/13/23 12:56	12/15/23
L2374435-05	SB70-Z0-2	SOIL	DEWITT	12/13/23 12:58	12/15/23
L2374435-06	SB70-Z6-12	SOIL	DEWITT	12/13/23 13:00	12/15/23
L2374435-07	SB70-Z12-24	SOIL	DEWITT	12/13/23 13:02	12/15/23
L2374435-08	SB70-Z24-36	SOIL	DEWITT	12/13/23 13:04	12/15/23
L2374435-09	SB71-Z12-24-Q	SOIL	DEWITT	12/13/23 12:48	12/15/23
L2374435-10	RINSTATE_12132023	WATER	DEWITT	12/13/23 14:40	12/15/23
L2374435-11	OS-SS-21-Z6-12	SOIL	DEWITT	12/13/23 13:12	12/15/23
L2374435-12	OS-SS-21-Z12-24	SOIL	DEWITT	12/13/23 13:14	12/15/23
L2374435-13	OS-SS-21-Z24-36	SOIL	DEWITT	12/13/23 13:16	12/15/23
L2374435-14	SB69-Z0-2	SOIL	DEWITT	12/13/23 13:20	12/15/23
L2374435-15	SB69-Z6-12	SOIL	DEWITT	12/13/23 13:22	12/15/23
L2374435-16	SB69-Z12-24	SOIL	DEWITT	12/13/23 13:24	12/15/23
L2374435-17	SB69-Z24-36	SOIL	DEWITT	12/13/23 13:26	12/15/23
L2374435-18	SB68-Z0-2	SOIL	DEWITT	12/13/23 13:28	12/15/23
L2374435-19	SB68-Z6-12	SOIL	DEWITT	12/13/23 13:30	12/15/23
L2374435-20	SB68-Z12-24	SOIL	DEWITT	12/13/23 13:32	12/15/23
L2374435-21	SB68-Z24-36	SOIL	DEWITT	12/13/23 13:34	12/15/23
L2374435-22	OS-SS-22-Z6-12	SOIL	DEWITT	12/14/23 10:10	12/15/23
L2374435-23	OS-SS-22-Z12-24	SOIL	DEWITT	12/14/23 10:12	12/15/23
L2374435-24	OS-SS-22-Z24-36	SOIL	DEWITT	12/14/23 10:14	12/15/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2374435-25	OS-SS-22-Z36-42	SOIL	DEWITT	12/14/23 10:16	12/15/23
L2374435-26	SB24-Z42-48	SOIL	DEWITT	12/14/23 10:18	12/15/23
L2374435-27	SB24-Z48-54	SOIL	DEWITT	12/14/23 10:20	12/15/23
L2374435-28	SB24-Z54-60	SOIL	DEWITT	12/14/23 10:22	12/15/23
L2374435-29	OS-SS-07-Z6-12	SOIL	DEWITT	12/14/23 10:26	12/15/23
L2374435-30	OS-SS-07-Z12-24	SOIL	DEWITT	12/14/23 10:28	12/15/23

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374435
Project Number:	EE1705007.0032	**Report Date:**	01/02/24

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374435
Project Number:	EE1705007.0032	**Report Date:**	01/02/24

Case Narrative (continued)

Report Submission

January 02, 2024: This final report includes the results of all requested analyses.

December 22, 2023: This is a preliminary report.

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

Sample Receipt

L2374435-09: The sample identified as "SB71-Z12-24" on the chain of custody was identified as "SB71-Z12-24-Q" on the container label. At the client's request, the sample is reported as "SB71-Z12-24".

L2374435-12: The collection date and time on the chain of custody was 13-DEC-23 13:14; however, the collection date/time on the container label was 13-DEC-23 13:12. At the client's request, the collection date/time is reported as 13-DEC-23 13:14.

L2374435-13: The collection date and time on the chain of custody was 13-DEC-23 13:16; however, the collection date/time on the container label was 13-DEC-23 13:12. At the client's request, the collection date/time is reported as 13-DEC-23 13:16.

PCBs

L2374435-05, -06D, -11, -14, -18, -19, and -29: The sample contains peaks which match the retention times for Aroclor 1248, but do not match the area ratios typical for this aroclor. The result for Aroclor 1248 is reported as "weathered".

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

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 01/02/24

ORGANICS

PCBS

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374435

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-01
Client ID: SB71-Z0-2
Sample Location: DEWITT

Date Collected: 12/13/23 12:50
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 20:14
Analyst: EMR
Percent Solids: 69%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 03:02
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	71.4	6.34	1	A
Aroclor 1221	ND		ug/kg	71.4	7.16	1	A
Aroclor 1232	ND		ug/kg	71.4	15.1	1	A
Aroclor 1242	ND		ug/kg	71.4	9.63	1	A
Aroclor 1248	20.6	J	ug/kg	71.4	10.7	1	A
Aroclor 1254	ND		ug/kg	71.4	7.82	1	A
Aroclor 1260	ND		ug/kg	71.4	13.2	1	A
Aroclor 1262	ND		ug/kg	71.4	9.08	1	A
Aroclor 1268	ND		ug/kg	71.4	7.40	1	A
PCBs, Total	20.6	J	ug/kg	71.4	6.34	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	45		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374435
Project Number: EE1705007.0032
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-02
Client ID: SB71-Z6-12
Sample Location: DEWITT

Date Collected: 12/13/23 12:52
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 20:27
Analyst: EMR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 03:02
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.2	4.99	1	A
Aroclor 1221	ND		ug/kg	56.2	5.63	1	A
Aroclor 1232	ND		ug/kg	56.2	11.9	1	A
Aroclor 1242	ND		ug/kg	56.2	7.57	1	A
Aroclor 1248	16.4	J	ug/kg	56.2	8.43	1	A
Aroclor 1254	ND		ug/kg	56.2	6.14	1	A
Aroclor 1260	ND		ug/kg	56.2	10.4	1	A
Aroclor 1262	ND		ug/kg	56.2	7.13	1	A
Aroclor 1268	ND		ug/kg	56.2	5.82	1	A
PCBs, Total	16.4	J	ug/kg	56.2	4.99	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374435
Project Number: EE1705007.0032
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-03
Client ID: SB71-Z12-24
Sample Location: DEWITT

Date Collected: 12/13/23 12:54
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 20:40
Analyst: EMR
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 03:02
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.0	4.88	1	A
Aroclor 1221	ND		ug/kg	55.0	5.51	1	A
Aroclor 1232	ND		ug/kg	55.0	11.6	1	A
Aroclor 1242	ND		ug/kg	55.0	7.41	1	A
Aroclor 1248	49.0	J	ug/kg	55.0	8.25	1	A
Aroclor 1254	ND		ug/kg	55.0	6.02	1	A
Aroclor 1260	ND		ug/kg	55.0	10.2	1	A
Aroclor 1262	ND		ug/kg	55.0	6.98	1	A
Aroclor 1268	ND		ug/kg	55.0	5.70	1	A
PCBs, Total	49.0	J	ug/kg	55.0	4.88	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374435

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-05
Client ID: SB70-Z0-2
Sample Location: DEWITT

Date Collected: 12/13/23 12:58
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 20:52
Analyst: EMR
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 03:02
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	64.7	5.75	1	A
Aroclor 1221	ND		ug/kg	64.7	6.49	1	A
Aroclor 1232	ND		ug/kg	64.7	13.7	1	A
Aroclor 1242	ND		ug/kg	64.7	8.73	1	A
Aroclor 1248	201		ug/kg	64.7	9.71	1	A
Aroclor 1254	ND		ug/kg	64.7	7.08	1	A
Aroclor 1260	ND		ug/kg	64.7	12.0	1	A
Aroclor 1262	ND		ug/kg	64.7	8.22	1	A
Aroclor 1268	ND		ug/kg	64.7	6.71	1	A
PCBs, Total	201		ug/kg	64.7	5.75	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374435

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-06 D
Client ID: SB70-Z6-12
Sample Location: DEWITT

Date Collected: 12/13/23 13:00
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 12:09
Analyst: AKM
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 03:02
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	312	27.7	5	A
Aroclor 1221	ND		ug/kg	312	31.3	5	A
Aroclor 1232	ND		ug/kg	312	66.2	5	A
Aroclor 1242	ND		ug/kg	312	42.1	5	A
Aroclor 1248	3220		ug/kg	312	46.8	5	A
Aroclor 1254	ND		ug/kg	312	34.2	5	A
Aroclor 1260	ND		ug/kg	312	57.7	5	A
Aroclor 1262	ND		ug/kg	312	39.6	5	A
Aroclor 1268	ND		ug/kg	312	32.3	5	A
PCBs, Total	3220		ug/kg	312	27.7	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374435

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-07
Client ID: SB70-Z12-24
Sample Location: DEWITT

Date Collected: 12/13/23 13:02
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 21:18
Analyst: EMR
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 03:02
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.0	5.06	1	A
Aroclor 1221	ND		ug/kg	57.0	5.71	1	A
Aroclor 1232	ND		ug/kg	57.0	12.1	1	A
Aroclor 1242	ND		ug/kg	57.0	7.68	1	A
Aroclor 1248	40.1	J	ug/kg	57.0	8.55	1	A
Aroclor 1254	ND		ug/kg	57.0	6.24	1	A
Aroclor 1260	ND		ug/kg	57.0	10.5	1	A
Aroclor 1262	ND		ug/kg	57.0	7.24	1	A
Aroclor 1268	ND		ug/kg	57.0	5.90	1	A
PCBs, Total	40.1	J	ug/kg	57.0	5.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374435

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-09
Client ID: SB71-Z12-24-Q
Sample Location: DEWITT

Date Collected: 12/13/23 12:48
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 21:30
Analyst: EMR
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 03:02
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.8	5.23	1	A
Aroclor 1221	ND		ug/kg	58.8	5.90	1	A
Aroclor 1232	ND		ug/kg	58.8	12.5	1	A
Aroclor 1242	ND		ug/kg	58.8	7.93	1	A
Aroclor 1248	14.9	J	ug/kg	58.8	8.83	1	A
Aroclor 1254	ND		ug/kg	58.8	6.44	1	A
Aroclor 1260	ND		ug/kg	58.8	10.9	1	A
Aroclor 1262	ND		ug/kg	58.8	7.47	1	A
Aroclor 1268	ND		ug/kg	58.8	6.10	1	A
PCBs, Total	14.9	J	ug/kg	58.8	5.23	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374435
Project Number: EE1705007.0032
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-10
Client ID: RINSTATE_12132023
Sample Location: DEWITT

Date Collected: 12/13/23 14:40
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/30/23 14:37
Analyst: EMR

Extraction Method: EPA 3510C
Extraction Date: 12/29/23 13:09
Cleanup Method: EPA 3665A
Cleanup Date: 12/29/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374435

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-11
Client ID: OS-SS-21-Z6-12
Sample Location: DEWITT

Date Collected: 12/13/23 13:12
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 21:43
Analyst: EMR
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 03:02
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.3	5.00	1	A
Aroclor 1221	ND		ug/kg	56.3	5.64	1	A
Aroclor 1232	ND		ug/kg	56.3	11.9	1	A
Aroclor 1242	ND		ug/kg	56.3	7.59	1	A
Aroclor 1248	315		ug/kg	56.3	8.44	1	A
Aroclor 1254	ND		ug/kg	56.3	6.16	1	A
Aroclor 1260	ND		ug/kg	56.3	10.4	1	A
Aroclor 1262	ND		ug/kg	56.3	7.15	1	A
Aroclor 1268	ND		ug/kg	56.3	5.83	1	A
PCBs, Total	315		ug/kg	56.3	5.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374435
Project Number: EE1705007.0032
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-12
Client ID: OS-SS-21-Z12-24
Sample Location: DEWITT

Date Collected: 12/13/23 13:14
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 20:05
Analyst: RMP
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 05:27
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	51.3	4.56	1	A
Aroclor 1221	ND		ug/kg	51.3	5.14	1	A
Aroclor 1232	ND		ug/kg	51.3	10.9	1	A
Aroclor 1242	ND		ug/kg	51.3	6.92	1	A
Aroclor 1248	34.2	J	ug/kg	51.3	7.70	1	A
Aroclor 1254	ND		ug/kg	51.3	5.62	1	A
Aroclor 1260	ND		ug/kg	51.3	9.48	1	A
Aroclor 1262	ND		ug/kg	51.3	6.52	1	A
Aroclor 1268	ND		ug/kg	51.3	5.32	1	A
PCBs, Total	34.2	J	ug/kg	51.3	4.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374435

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-14
Client ID: SB69-Z0-2
Sample Location: DEWITT

Date Collected: 12/13/23 13:20
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 20:13
Analyst: RMP
Percent Solids: 65%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 05:27
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	74.3	6.60	1	A
Aroclor 1221	ND		ug/kg	74.3	7.44	1	A
Aroclor 1232	ND		ug/kg	74.3	15.7	1	A
Aroclor 1242	ND		ug/kg	74.3	10.0	1	A
Aroclor 1248	188		ug/kg	74.3	11.1	1	A
Aroclor 1254	ND		ug/kg	74.3	8.13	1	A
Aroclor 1260	ND		ug/kg	74.3	13.7	1	A
Aroclor 1262	ND		ug/kg	74.3	9.43	1	A
Aroclor 1268	ND		ug/kg	74.3	7.70	1	A
PCBs, Total	188		ug/kg	74.3	6.60	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374435

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-15
Client ID: SB69-Z6-12
Sample Location: DEWITT

Date Collected: 12/13/23 13:22
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 20:21
Analyst: RMP
Percent Solids: 73%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 05:27
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	67.1	5.96	1	A
Aroclor 1221	ND		ug/kg	67.1	6.72	1	A
Aroclor 1232	ND		ug/kg	67.1	14.2	1	A
Aroclor 1242	ND		ug/kg	67.1	9.05	1	A
Aroclor 1248	32.9	JP	ug/kg	67.1	10.1	1	A
Aroclor 1254	ND		ug/kg	67.1	7.34	1	A
Aroclor 1260	ND		ug/kg	67.1	12.4	1	A
Aroclor 1262	ND		ug/kg	67.1	8.52	1	A
Aroclor 1268	ND		ug/kg	67.1	6.95	1	A
PCBs, Total	32.9	J	ug/kg	67.1	5.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374435
Project Number: EE1705007.0032
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-16
Client ID: SB69-Z12-24
Sample Location: DEWITT

Date Collected: 12/13/23 13:24
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 20:29
Analyst: RMP
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 05:27
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.3	5.09	1	A
Aroclor 1221	ND		ug/kg	57.3	5.74	1	A
Aroclor 1232	ND		ug/kg	57.3	12.2	1	A
Aroclor 1242	ND		ug/kg	57.3	7.73	1	A
Aroclor 1248	40.5	J	ug/kg	57.3	8.60	1	A
Aroclor 1254	ND		ug/kg	57.3	6.27	1	A
Aroclor 1260	ND		ug/kg	57.3	10.6	1	A
Aroclor 1262	ND		ug/kg	57.3	7.28	1	A
Aroclor 1268	ND		ug/kg	57.3	5.94	1	A
PCBs, Total	40.5	J	ug/kg	57.3	5.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374435

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-18
Client ID: SB68-Z0-2
Sample Location: DEWITT

Date Collected: 12/13/23 13:28
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 19:41
Analyst: RMP
Percent Solids: 68%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 05:27
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	69.1	6.14	1	A
Aroclor 1221	ND		ug/kg	69.1	6.92	1	A
Aroclor 1232	ND		ug/kg	69.1	14.6	1	A
Aroclor 1242	ND		ug/kg	69.1	9.31	1	A
Aroclor 1248	99.8		ug/kg	69.1	10.4	1	A
Aroclor 1254	ND		ug/kg	69.1	7.56	1	A
Aroclor 1260	ND		ug/kg	69.1	12.8	1	A
Aroclor 1262	ND		ug/kg	69.1	8.77	1	A
Aroclor 1268	ND		ug/kg	69.1	7.16	1	A
PCBs, Total	99.8		ug/kg	69.1	6.14	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374435
Project Number: EE1705007.0032
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-19
Client ID: SB68-Z6-12
Sample Location: DEWITT

Date Collected: 12/13/23 13:30
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 20:37
Analyst: RMP
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 05:27
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.4	4.92	1	A
Aroclor 1221	ND		ug/kg	55.4	5.55	1	A
Aroclor 1232	ND		ug/kg	55.4	11.7	1	A
Aroclor 1242	ND		ug/kg	55.4	7.47	1	A
Aroclor 1248	74.4		ug/kg	55.4	8.31	1	B
Aroclor 1254	ND		ug/kg	55.4	6.06	1	A
Aroclor 1260	ND		ug/kg	55.4	10.2	1	A
Aroclor 1262	ND		ug/kg	55.4	7.03	1	A
Aroclor 1268	ND		ug/kg	55.4	5.74	1	A
PCBs, Total	74.4		ug/kg	55.4	4.92	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374435
Project Number: EE1705007.0032
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-20
Client ID: SB68-Z12-24
Sample Location: DEWITT

Date Collected: 12/13/23 13:32
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 20:45
Analyst: RMP
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 05:27
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.5	4.84	1	A
Aroclor 1221	ND		ug/kg	54.5	5.46	1	A
Aroclor 1232	ND		ug/kg	54.5	11.6	1	A
Aroclor 1242	ND		ug/kg	54.5	7.35	1	A
Aroclor 1248	18.4	JP	ug/kg	54.5	8.18	1	A
Aroclor 1254	ND		ug/kg	54.5	5.96	1	A
Aroclor 1260	ND		ug/kg	54.5	10.1	1	A
Aroclor 1262	ND		ug/kg	54.5	6.92	1	A
Aroclor 1268	ND		ug/kg	54.5	5.65	1	A
PCBs, Total	18.4	J	ug/kg	54.5	4.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374435
Project Number: EE1705007.0032
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-22
Client ID: OS-SS-22-Z6-12
Sample Location: DEWITT

Date Collected: 12/14/23 10:10
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 20:53
Analyst: RMP
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 05:27
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.1	4.89	1	A
Aroclor 1221	ND		ug/kg	55.1	5.52	1	A
Aroclor 1232	ND		ug/kg	55.1	11.7	1	A
Aroclor 1242	ND		ug/kg	55.1	7.43	1	A
Aroclor 1248	1350		ug/kg	55.1	8.27	1	B
Aroclor 1254	ND		ug/kg	55.1	6.03	1	A
Aroclor 1260	ND		ug/kg	55.1	10.2	1	A
Aroclor 1262	ND		ug/kg	55.1	7.00	1	A
Aroclor 1268	ND		ug/kg	55.1	5.71	1	A
PCBs, Total	1350		ug/kg	55.1	4.89	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374435

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-23
Client ID: OS-SS-22-Z12-24
Sample Location: DEWITT

Date Collected: 12/14/23 10:12
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 21:01
Analyst: RMP
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 05:27
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.4	4.92	1	A
Aroclor 1221	ND		ug/kg	55.4	5.55	1	A
Aroclor 1232	ND		ug/kg	55.4	11.7	1	A
Aroclor 1242	ND		ug/kg	55.4	7.46	1	A
Aroclor 1248	43.1	J	ug/kg	55.4	8.30	1	A
Aroclor 1254	ND		ug/kg	55.4	6.06	1	A
Aroclor 1260	ND		ug/kg	55.4	10.2	1	A
Aroclor 1262	ND		ug/kg	55.4	7.03	1	A
Aroclor 1268	ND		ug/kg	55.4	5.74	1	A
PCBs, Total	43.1	J	ug/kg	55.4	4.92	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374435

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-26
Client ID: SB24-Z42-48
Sample Location: DEWITT

Date Collected: 12/14/23 10:18
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 21:09
Analyst: RMP
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 05:27
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.6	4.67	1	A
Aroclor 1221	ND		ug/kg	52.6	5.27	1	A
Aroclor 1232	ND		ug/kg	52.6	11.1	1	A
Aroclor 1242	ND		ug/kg	52.6	7.09	1	A
Aroclor 1248	24.7	JP	ug/kg	52.6	7.89	1	A
Aroclor 1254	ND		ug/kg	52.6	5.75	1	A
Aroclor 1260	ND		ug/kg	52.6	9.72	1	A
Aroclor 1262	ND		ug/kg	52.6	6.68	1	A
Aroclor 1268	ND		ug/kg	52.6	5.45	1	A
PCBs, Total	24.7	J	ug/kg	52.6	4.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374435

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-27
Client ID: SB24-Z48-54
Sample Location: DEWITT

Date Collected: 12/14/23 10:20
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 21:17
Analyst: RMP
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 05:28
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	48.9	4.34	1	A
Aroclor 1221	ND		ug/kg	48.9	4.90	1	A
Aroclor 1232	ND		ug/kg	48.9	10.4	1	A
Aroclor 1242	ND		ug/kg	48.9	6.59	1	A
Aroclor 1248	ND		ug/kg	48.9	7.33	1	A
Aroclor 1254	ND		ug/kg	48.9	5.35	1	A
Aroclor 1260	ND		ug/kg	48.9	9.03	1	A
Aroclor 1262	ND		ug/kg	48.9	6.21	1	A
Aroclor 1268	ND		ug/kg	48.9	5.06	1	A
PCBs, Total	ND		ug/kg	48.9	4.34	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374435
Project Number: EE1705007.0032
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-29
Client ID: OS-SS-07-Z6-12
Sample Location: DEWITT

Date Collected: 12/14/23 10:26
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 21:25
Analyst: RMP
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 05:28
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.3	5.00	1	A
Aroclor 1221	ND		ug/kg	56.3	5.64	1	A
Aroclor 1232	ND		ug/kg	56.3	11.9	1	A
Aroclor 1242	ND		ug/kg	56.3	7.60	1	A
Aroclor 1248	68.1		ug/kg	56.3	8.45	1	A
Aroclor 1254	ND		ug/kg	56.3	6.16	1	A
Aroclor 1260	ND		ug/kg	56.3	10.4	1	A
Aroclor 1262	ND		ug/kg	56.3	7.16	1	A
Aroclor 1268	ND		ug/kg	56.3	5.84	1	A
PCBs, Total	68.1		ug/kg	56.3	5.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374435

Project Number: EE1705007.0032 **Report Date:** 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-30
Client ID: OS-SS-07-Z12-24
Sample Location: DEWITT

Date Collected: 12/14/23 10:28
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 21:33
Analyst: RMP
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 05:28
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.9	4.87	1	A
Aroclor 1221	ND		ug/kg	54.9	5.50	1	A
Aroclor 1232	ND		ug/kg	54.9	11.6	1	A
Aroclor 1242	ND		ug/kg	54.9	7.40	1	A
Aroclor 1248	23.8	JP	ug/kg	54.9	8.23	1	A
Aroclor 1254	ND		ug/kg	54.9	6.00	1	A
Aroclor 1260	ND		ug/kg	54.9	10.1	1	A
Aroclor 1262	ND		ug/kg	54.9	6.97	1	A
Aroclor 1268	ND		ug/kg	54.9	5.68	1	A
PCBs, Total	23.8	J	ug/kg	54.9	4.87	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374435

Project Number: EE1705007.0032 **Report Date:** 01/02/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/19/23 18:05
Analyst: ER

Extraction Method: EPA 3546
Extraction Date: 12/19/23 04:42
Cleanup Method: EPA 3665A
Cleanup Date: 12/19/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/19/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03,05-07,09,11 Batch: WG1865578-1						
Aroclor 1016	ND		ug/kg	47.5	4.22	A
Aroclor 1221	ND		ug/kg	47.5	4.76	A
Aroclor 1232	ND		ug/kg	47.5	10.1	A
Aroclor 1242	ND		ug/kg	47.5	6.40	A
Aroclor 1248	ND		ug/kg	47.5	7.12	A
Aroclor 1254	ND		ug/kg	47.5	5.19	A
Aroclor 1260	ND		ug/kg	47.5	8.77	A
Aroclor 1262	ND		ug/kg	47.5	6.03	A
Aroclor 1268	ND		ug/kg	47.5	4.92	A
PCBs, Total	ND		ug/kg	47.5	4.22	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374435

Project Number: EE1705007.0032 **Report Date:** 01/02/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/21/23 19:17
Analyst: RMP

Extraction Method: EPA 3546
Extraction Date: 12/20/23 05:27
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 12,14-16,18-20,22-23,26-27,29-30 Batch: WG1866151-1						
Aroclor 1016	ND		ug/kg	48.5	4.31	A
Aroclor 1221	ND		ug/kg	48.5	4.86	A
Aroclor 1232	ND		ug/kg	48.5	10.3	A
Aroclor 1242	ND		ug/kg	48.5	6.54	A
Aroclor 1248	ND		ug/kg	48.5	7.27	A
Aroclor 1254	ND		ug/kg	48.5	5.30	A
Aroclor 1260	ND		ug/kg	48.5	8.96	A
Aroclor 1262	ND		ug/kg	48.5	6.16	A
Aroclor 1268	ND		ug/kg	48.5	5.02	A
PCBs, Total	ND		ug/kg	48.5	4.31	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374435
Report Date: 01/02/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/30/23 14:09
Analyst: EMR

Extraction Method: EPA 3510C
Extraction Date: 12/29/23 13:09
Cleanup Method: EPA 3665A
Cleanup Date: 12/29/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 10 Batch: WG1869495-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	40		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	40		30-150	B
Decachlorobiphenyl	47		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374435
Report Date: 01/02/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03,05-07,09,11 Batch: WG1865578-2 WG1865578-3									
Aroclor 1016	93		91		40-140	2		50	A
Aroclor 1260	94		92		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		85		30-150	A
Decachlorobiphenyl	87		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		91		30-150	B
Decachlorobiphenyl	82		79		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2374435

Report Date: 01/02/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 12,14-16,18-20,22-23,26-27,29-30 Batch: WG1866151-2 WG1866151-3									
Aroclor 1016	80		82		40-140	2		50	A
Aroclor 1260	89		89		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		73		30-150	A
Decachlorobiphenyl	88		89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		76		30-150	B
Decachlorobiphenyl	81		83		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2374435

Report Date: 01/02/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 10 Batch: WG1869495-2 WG1869495-3									
Aroclor 1016	56		50		40-140	10		50	A
Aroclor 1260	59		54		40-140	9		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		45		30-150	A
Decachlorobiphenyl	61		55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		46		30-150	B
Decachlorobiphenyl	64		59		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2374435

Report Date: 01/02/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 12,14-16,18-20,22-23,26-27,29-30 QC Batch ID: WG1866151-4 WG1866151-5 QC Sample: L2374435-18 Client ID: SB68-Z0-2													
Aroclor 1016	ND	438	337	77		323	72		40-140	4		50	A
Aroclor 1260	ND	438	376	86		353	79		40-140	6		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		64		30-150	A
Decachlorobiphenyl	78		72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		66		30-150	B
Decachlorobiphenyl	71		67		30-150	B

INORGANICS
&
MISCELLANEOUS

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374435
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-01
Client ID: SB71-Z0-2
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 12:50
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.6		%	0.100	NA	1	-	12/19/23 14:57	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374435
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-02
Client ID: SB71-Z6-12
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 12:52
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.3		%	0.100	NA	1	-	12/19/23 14:57	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374435
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-03
Client ID: SB71-Z12-24
Sample Location: DEWITT

Date Collected: 12/13/23 12:54
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.5		%	0.100	NA	1	-	12/19/23 14:57	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374435
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-05
Client ID: SB70-Z0-2
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 12:58
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.0		%	0.100	NA	1	-	12/19/23 14:57	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374435
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-06
Client ID: SB70-Z6-12
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 13:00
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.3		%	0.100	NA	1	-	12/19/23 14:57	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374435
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-07
Client ID: SB70-Z12-24
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 13:02
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.6		%	0.100	NA	1	-	12/19/23 14:57	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374435
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-09
Client ID: SB71-Z12-24-Q
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 12:48
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.4		%	0.100	NA	1	-	12/19/23 14:57	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374435
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-11
Client ID: OS-SS-21-Z6-12
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 13:12
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.1		%	0.100	NA	1	-	12/19/23 14:57	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374435
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-12
Client ID: OS-SS-21-Z12-24
Sample Location: DEWITT

Date Collected: 12/13/23 13:14
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.7		%	0.100	NA	1	-	12/19/23 14:57	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374435
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-14
Client ID: SB69-Z0-2
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 13:20
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	64.6		%	0.100	NA	1	-	12/19/23 14:57	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374435
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-15
Client ID: SB69-Z6-12
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 13:22
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	72.6		%	0.100	NA	1	-	12/19/23 14:57	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374435
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-16
Client ID: SB69-Z12-24
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 13:24
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.1		%	0.100	NA	1	-	12/19/23 14:57	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374435
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-18
Client ID: SB68-Z0-2
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 13:28
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	68.4		%	0.100	NA	1	-	12/19/23 14:57	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374435
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-19
Client ID: SB68-Z6-12
Sample Location: DEWITT

Date Collected: 12/13/23 13:30
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.9		%	0.100	NA	1	-	12/19/23 14:57	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374435
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-20
Client ID: SB68-Z12-24
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/13/23 13:32
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.5		%	0.100	NA	1	-	12/19/23 14:57	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374435
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-22
Client ID: OS-SS-22-Z6-12
Sample Location: DEWITT

Date Collected: 12/14/23 10:10
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	12/19/23 14:57	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374435
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-23
Client ID: OS-SS-22-Z12-24
Sample Location: DEWITT

Date Collected: 12/14/23 10:12
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.6		%	0.100	NA	1	-	12/19/23 14:57	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374435
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-26
Client ID: SB24-Z42-48
Sample Location: DEWITT

Date Collected: 12/14/23 10:18
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	12/19/23 14:57	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374435
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-27
Client ID: SB24-Z48-54
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 10:20
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.3		%	0.100	NA	1	-	12/19/23 14:57	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374435
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-29
Client ID: OS-SS-07-Z6-12
Sample Location: DEWITT

Date Collected: 12/14/23 10:26
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.4		%	0.100	NA	1	-	12/19/23 15:25	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374435
Report Date: 01/02/24

SAMPLE RESULTS

Lab ID: L2374435-30
Client ID: OS-SS-07-Z12-24
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 10:28
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.9		%	0.100	NA	1	-	12/19/23 15:25	121,2540G	SJB

Lab Duplicate Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2374435

Report Date: 01/02/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-07,09,11-12,14-16,18-20,22-23,26-27 QC Batch ID: WG1865889-1 QC Sample: L2374435-18 Client ID: SB68-Z0-2						
Solids, Total	68.4	70.1	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 29-30 QC Batch ID: WG1865899-1 QC Sample: L2374435-29 Client ID: OS-SS-07-Z6-12						
Solids, Total	83.4	83.0	%	0		20

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374435
Report Date: 01/02/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2374435-01A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374435-01B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374435-02A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374435-02B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374435-03A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374435-03B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374435-04A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-8082(14)
L2374435-04B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		HOLD-WETCHEM()
L2374435-05A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374435-05B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374435-06A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374435-06B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374435-07A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374435-07B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374435-08A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-8082(14)
L2374435-08B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		HOLD-WETCHEM()
L2374435-09A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374435-09B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374435-10A	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2374435-10B	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2374435-11A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374435-11B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374435
Report Date: 01/02/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2374435-12A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374435-12B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374435-13A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-8082(14)
L2374435-13B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		HOLD-WETCHEM()
L2374435-14A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374435-14B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374435-15A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374435-15B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374435-16A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374435-16B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374435-17A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-8082(14)
L2374435-17B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		HOLD-WETCHEM()
L2374435-18A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374435-18A1	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374435-18A2	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374435-18B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374435-18B1	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374435-18B2	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374435-19A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374435-19B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374435-20A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374435-20B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374435-21A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-8082(14)
L2374435-21B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		HOLD-WETCHEM()
L2374435-22A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374435-22B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7)
L2374435-23A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374435-23B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374435
Report Date: 01/02/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2374435-24A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-8082(14)
L2374435-24B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-WETCHEM()
L2374435-25A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-8082(14)
L2374435-25B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-WETCHEM()
L2374435-26A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374435-26B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		TS(7)
L2374435-27A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374435-27B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		TS(7)
L2374435-28A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-8082(14)
L2374435-28B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-WETCHEM()
L2374435-29A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374435-29B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7)
L2374435-30A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374435-30B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374435
Project Number:	EE1705007.0032	**Report Date:**	01/02/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374435
Project Number:	EE1705007.0032	**Report Date:**	01/02/24

Footnotes

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

Terms

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

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

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

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374435
Project Number:	EE1705007.0032	**Report Date:**	01/02/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374435
Project Number:	EE1705007.0032	**Report Date:**	01/02/24

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

ALPHA

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 4 of 14

Date Rec'd in Lab: 12/16/23

ALPHA Job #: L2374435

Client Information
Client: WSP USA
Address: 40 La riviere Dr
Buffalo NY 14202
Phone: 720 737 7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information
Project Name: Locks Road Extension
Project Location: De Witt
Project # EF 170 5007.0032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8082 (Acid)	TS	Total Bottles	Sample Specific Comments
74435-01	SB71-20-2	12/13/23	12:50	S	DB	1	1		
02	SB71-26-12	12/13/23	12:52	S	DB	1	1		
03	SB71-212-24	12/13/23	12:54	S	DB	1	1		
04	SB71-224-36	12/13/23	12:56	S	DB	1	1		HOLD
05	SB70-20-2	12/13/23	12:58	S	DB	1	1		
06	SB70-26-12	12/13/23	13:00	S	DB	1	1		
07	SB70-212-24	12/13/23	13:02	S	DB	1	1		
08	SB70-224-36	12/13/23	13:04	S	DB	1	1		HOLD
09	SB71-212-24	12/13/23	12:48	S	DB	1	1		
10	RinsateBlank_121320	12/13/23	14:40	W	DB	X			

Container Type: A P
Preservative: A A

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; K/E = Zn Ac/NaOH; O = Other

Container Code: P = Plastic; A = Amber Glass; V = Vial; G = Glass; B = Bacteria Cup; C = Cube; O = Other; E = Encore; D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	12/15/23 1600	Ryan Murphy	12/15 1600
Ryan Murphy	12/15 1700	MOH	12/16/23 0115

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

Form No. 01-25 HC (rev. 30-Sept-2013)

ALPHA

NEW YORK CHAIN OF CUSTODY

Page 5 of 14

Date Rec'd in Lab: 12/16/23

ALPHA Job #: L2374435

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Project Information
- Project Name: LOUCKS Road Extension
- Project Location: DeWitt
- Project # EE1705007.0032
- (Use Project name as Project #) ☐
- Project Manager: Drew Bullinger
- ALPHAQuote #:

Turn-Around Time
- Standard ☒ Due Date:
- Rush (only if pre approved) ☐ # of Days:

Client Information
- Client: WSP USA
- Address: 40 La Riviere Dr. Buffalo NY. 14202
- Phone: 720-737-7033
- Fax:
- Email: Drew.Bullinger@WSP.com

Deliverables
- ☐ ASP-A ☐ ASP-B
- ☒ EQuIS (1 File) ☐ EQuIS (4 File)
- ☐ Other

Regulatory Requirement
- ☐ NY TOGS ☐ NY Part 375
- ☐ AWQ Standards ☐ NY CP-51
- ☐ NY Restricted Use ☐ Other
- ☐ NY Unrestricted Use
- ☐ NYC Sewer Discharge

Billing Information
- ☐ Same as Client Info
- PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
- ☐ NJ ☐ NY
- ☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
- ☐ Done
- ☐ Lab to do

Preservation
- ☐ Lab to do

(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL 8260 (full)	TS	MS/MSD	Total Bottle	Sample Specific Comments
74435-11	OS-SS-21-26-12	12/13/23	13:12	S	DB	1	1			
12	OS-SS-21-2 12-24	12/13/23	13:14	S	DB	1	1			
13	OS-SS-21-2 24-36	12/13/23	13:16	S	DB	1	1			HOLD
14	SB69-20-2	12/13/23	13:20	S	DB	1	1			
15	SB69-26-12	12/13/23	13:22	S	DB	1	1			
16	SB69-212-24	12/13/23	13:24	S	DB	1	1			
17	SB69-224-36	12/13/23	13:26	S	DB	1	1			HOLD
18	SB68-20-2	12/13/23	13:28	S	DB	1	1	1		MS/MSD
19	SB68-26-12	12/13/23	13:30	S	DB	1	1			
20	SB68-212-24	12/13/23	13:32	S	DB	1	1			
Container Type						A	P			
Preservative						A	A			

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	12/15/23 16:00	Ryan Murphy	12/15 1600
Ryan Murphy	12/15 1700	MCH	12/16/23 0115

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 6 of 14

Date Rec'd in Lab: 12/16/23

ALPHA Job #: L2374435

Client Information

Client: WSP USA
Address: 40 La Riviere Dr.
Buffalo NY 14202
Phone: 720-757-7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information

Project Name: Loucks Road Extension
Project Location: Dewitt
Project # EE170500J.0032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time

Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables

[ ] ASP-A [ ] ASP-B
[X] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement

[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information

[ ] Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

NY TCL+8260 (PID)
TS

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Total # Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NY TCL+8260 (PID)	TS	Sample Specific Comments
74435-21	SB68-2 24-36	12/13/23	13:34	S	DB	X	X	HOLD
22	OS-55-22-2 6-12	12/14/23	10:10	S	DB	/	/	
23	OS-55-22-2 12-24	12/14/23	10:12	S	DB	/	/	
24	OS-55-22-2 24-36	12/14/23	10:14	S	DB	/	/	HOLD
25	OS-55-22-2 36-42	12/14/23	10:16	S	DB	/	/	HOLD
26	SB24-2 42-48	12/14/23	10:18	S	DB	/	/	
27	SB24-2 48-54	12/14/23	10:20	S	DB	/	/	
28	SB24-2 54-60	12/14/23	10:22	S	DB	/	/	HOLD
29	OS-55-07-2 6-12	12/14/23	10:26	S	DB	/	/	
30	OS-55-07-2 12-24	12/14/23	10:28	S	DB	/	/	

Container Type
Preservative: A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
D = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	12/15/23 16:00	Ryan Murphy	12/15/23 1600
Ryan Murphy	12/15 1700	Mon	12/16 0115

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2374445
Client:	WSP 40 La Riviere Drive Suite 320 Buffalo, NY 14202
ATTN:	Drew Bullinger
Phone:	(716) 204-5880
Project Name:	LOUCKS ROAD EXTENSION
Project Number:	EE1705007.0032
Report Date:	01/08/24

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374445
Report Date: 01/08/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2374445-01	OS-SS-07-Z24-36	SOIL	DEWITT	12/14/23 10:30	12/15/23
L2374445-02	SB17-Z48-54	SOIL	DEWITT	12/14/23 10:38	12/15/23
L2374445-03	SB17-Z54-60	SOIL	DEWITT	12/14/23 10:40	12/15/23
L2374445-04	SB17-Z60-66	SOIL	DEWITT	12/14/23 10:42	12/15/23
L2374445-05	SB17-Z66-72	SOIL	DEWITT	12/14/23 10:44	12/15/23
L2374445-06	SB15-Z0-2	SOIL	DEWITT	12/14/23 10:46	12/15/23
L2374445-07	SB15-Z12-24	SOIL	DEWITT	12/14/23 10:48	12/15/23
L2374445-08	SB15-Z24-36	SOIL	DEWITT	12/14/23 10:50	12/15/23
L2374445-09	SB15-Z36-48	SOIL	DEWITT	12/14/23 10:52	12/15/23
L2374445-10	SB15-Z48-54	SOIL	DEWITT	12/14/23 10:54	12/15/23
L2374445-11	SB15-Z54-60	SOIL	DEWITT	12/14/23 10:56	12/15/23
L2374445-12	SB15-Z60-66	SOIL	DEWITT	12/14/23 10:58	12/15/23
L2374445-13	SB15-Z66-72	SOIL	DEWITT	12/14/23 11:00	12/15/23
L2374445-14	SB15-Z72-78	SOIL	DEWITT	12/14/23 11:02	12/15/23
L2374445-15	SB13-Z42-48	SOIL	DEWITT	12/14/23 11:24	12/15/23
L2374445-16	SB13-Z48-54	SOIL	DEWITT	12/14/23 11:26	12/15/23
L2374445-17	SB13-Z54-60	SOIL	DEWITT	12/14/23 11:28	12/15/23
L2374445-18	SB13-Z60-66	SOIL	DEWITT	12/14/23 11:30	12/15/23
L2374445-19	SB13-Z66-72	SOIL	DEWITT	12/14/23 11:32	12/15/23
L2374445-20	SB13-Z72-78	SOIL	DEWITT	12/14/23 11:33	12/15/23
L2374445-21	OS-SS-03-Z6-12	SOIL	DEWITT	12/14/23 11:04	12/15/23
L2374445-22	OS-SS-03-Z12-24	SOIL	DEWITT	12/14/23 11:06	12/15/23
L2374445-23	OS-SS-03-Z24-36	SOIL	DEWITT	12/14/23 11:08	12/15/23
L2374445-24	OS-SS-03-Z36-42	SOIL	DEWITT	12/14/23 11:10	12/15/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2374445-25	OS-SS-03-Z42-48	SOIL	DEWITT	12/14/23 11:12	12/15/23
L2374445-26	OS-SS-03-Z48-54	SOIL	DEWITT	12/14/23 11:14	12/15/23
L2374445-27	OS-SS-03-Z54-60	SOIL	DEWITT	12/14/23 11:16	12/15/23
L2374445-28	OS-SS-03-Z60-66	SOIL	DEWITT	12/14/23 11:18	12/15/23
L2374445-29	OS-SS-03-Z66-72	SOIL	DEWITT	12/14/23 11:20	12/15/23
L2374445-30	OS-SS-03-Z72-78	SOIL	DEWITT	12/14/23 11:22	12/15/23

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374445
Project Number:	EE1705007.0032	**Report Date:**	01/08/24

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374445
Project Number:	EE1705007.0032	**Report Date:**	01/08/24

Case Narrative (continued)

Report Submission

January 08, 2024: This final report includes the results of all requested analyses.

January 05, 2024: This preliminary report includes the results of the following analysis:

L2374445-04, -12, -13, -24, -25, -26, -27 and -28: PCBs

December 22, 2023: This is a preliminary report.

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

PCBs

L2374445-02D, -06D, -07D, -08D, -09D, -10D, -11D, -15D, -21D, -22D, -23D, -24D, -25D and -26D:
The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%/0%) and decachlorobiphenyl (0%/0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

L2374445-06D, -07D, -08D, -09D, -10D, -11D, -15D, -21D, -22D, -23D, 24D, -25D, and -26D: The sample contains peaks which match the retention times for Aroclor 1248, but do not match the area ratios typical for this aroclor. The result for Aroclor 1248 is reported as "weathered".

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

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 01/08/24

ORGANICS

PCBS

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374445
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-02 D
Client ID: SB17-Z48-54
Sample Location: DEWITT

Date Collected: 12/14/23 10:38
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 11:43
Analyst: RMP
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 03:02
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5980	532.	100	A
Aroclor 1221	ND		ug/kg	5980	600.	100	A
Aroclor 1232	ND		ug/kg	5980	1270	100	A
Aroclor 1242	ND		ug/kg	5980	807.	100	A
Aroclor 1248	14300		ug/kg	5980	898.	100	B
Aroclor 1254	ND		ug/kg	5980	655.	100	A
Aroclor 1260	ND		ug/kg	5980	1110	100	A
Aroclor 1262	ND		ug/kg	5980	760.	100	A
Aroclor 1268	ND		ug/kg	5980	620.	100	A
PCBs, Total	14300		ug/kg	5980	532.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374445
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-03
Client ID: SB17-Z54-60
Sample Location: DEWITT

Date Collected: 12/14/23 10:40
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 09:57
Analyst: AKM
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 03:02
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.0	5.16	1	A
Aroclor 1221	ND		ug/kg	58.0	5.82	1	A
Aroclor 1232	ND		ug/kg	58.0	12.3	1	A
Aroclor 1242	ND		ug/kg	58.0	7.83	1	A
Aroclor 1248	1370		ug/kg	58.0	8.71	1	A
Aroclor 1254	ND		ug/kg	58.0	6.35	1	A
Aroclor 1260	ND		ug/kg	58.0	10.7	1	A
Aroclor 1262	ND		ug/kg	58.0	7.37	1	A
Aroclor 1268	ND		ug/kg	58.0	6.01	1	A
PCBs, Total	1370		ug/kg	58.0	5.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374445

Project Number: EE1705007.0032 **Report Date:** 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-04
Client ID: SB17-Z60-66
Sample Location: DEWITT

Date Collected: 12/14/23 10:42
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/30/23 10:33
Analyst: MEO
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 12/29/23 23:23
Cleanup Method: EPA 3665A
Cleanup Date: 12/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.1	5.07	1	A
Aroclor 1221	ND		ug/kg	57.1	5.72	1	A
Aroclor 1232	ND		ug/kg	57.1	12.1	1	A
Aroclor 1242	ND		ug/kg	57.1	7.69	1	A
Aroclor 1248	605		ug/kg	57.1	8.56	1	B
Aroclor 1254	ND		ug/kg	57.1	6.24	1	A
Aroclor 1260	19.0	J	ug/kg	57.1	10.5	1	B
Aroclor 1262	ND		ug/kg	57.1	7.25	1	A
Aroclor 1268	ND		ug/kg	57.1	5.91	1	A
PCBs, Total	624	J	ug/kg	57.1	5.07	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374445
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-06 D
Client ID: SB15-Z0-2
Sample Location: DEWITT

Date Collected: 12/14/23 10:46
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 14:31
Analyst: EMR
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 03:02
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5620	500.	100	A
Aroclor 1221	ND		ug/kg	5620	564.	100	A
Aroclor 1232	ND		ug/kg	5620	1190	100	A
Aroclor 1242	ND		ug/kg	5620	758.	100	A
Aroclor 1248	28500		ug/kg	5620	844.	100	A
Aroclor 1254	ND		ug/kg	5620	615.	100	A
Aroclor 1260	ND		ug/kg	5620	1040	100	A
Aroclor 1262	ND		ug/kg	5620	714.	100	A
Aroclor 1268	ND		ug/kg	5620	583.	100	A
PCBs, Total	28500		ug/kg	5620	500.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374445

Project Number: EE1705007.0032 **Report Date:** 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-07 D
Client ID: SB15-Z12-24
Sample Location: DEWITT

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 14:11
Analyst: EMR
Percent Solids: 85%

Date Collected: 12/14/23 10:48
Date Received: 12/15/23
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 12/20/23 03:02
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	28400	2520	500	A
Aroclor 1221	ND		ug/kg	28400	2850	500	A
Aroclor 1232	ND		ug/kg	28400	6030	500	A
Aroclor 1242	ND		ug/kg	28400	3830	500	A
Aroclor 1248	156000		ug/kg	28400	4260	500	A
Aroclor 1254	ND		ug/kg	28400	3110	500	A
Aroclor 1260	ND		ug/kg	28400	5250	500	A
Aroclor 1262	ND		ug/kg	28400	3610	500	A
Aroclor 1268	ND		ug/kg	28400	2940	500	A
PCBs, Total	156000		ug/kg	28400	2520	500	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374445
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-08 D
Client ID: SB15-Z24-36
Sample Location: DEWITT

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 16:57
Analyst: MHG
Percent Solids: 85%

Date Collected: 12/14/23 10:50
Date Received: 12/15/23
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 12/20/23 05:28
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5750	511.	100	A
Aroclor 1221	ND		ug/kg	5750	576.	100	A
Aroclor 1232	ND		ug/kg	5750	1220	100	A
Aroclor 1242	ND		ug/kg	5750	775.	100	A
Aroclor 1248	62700		ug/kg	5750	862.	100	A
Aroclor 1254	ND		ug/kg	5750	629.	100	A
Aroclor 1260	ND		ug/kg	5750	1060	100	A
Aroclor 1262	ND		ug/kg	5750	730.	100	A
Aroclor 1268	ND		ug/kg	5750	596.	100	A
PCBs, Total	62700		ug/kg	5750	511.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374445

Project Number: EE1705007.0032 **Report Date:** 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-09 D
Client ID: SB15-Z36-48
Sample Location: DEWITT

Date Collected: 12/14/23 10:52
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 14:21
Analyst: EMR
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 03:02
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	27600	2450	500	A
Aroclor 1221	ND		ug/kg	27600	2760	500	A
Aroclor 1232	ND		ug/kg	27600	5840	500	A
Aroclor 1242	ND		ug/kg	27600	3710	500	A
Aroclor 1248	57700		ug/kg	27600	4130	500	A
Aroclor 1254	ND		ug/kg	27600	3010	500	A
Aroclor 1260	ND		ug/kg	27600	5090	500	A
Aroclor 1262	ND		ug/kg	27600	3500	500	A
Aroclor 1268	ND		ug/kg	27600	2850	500	A
PCBs, Total	57700		ug/kg	27600	2450	500	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374445
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-10 D
Client ID: SB15-Z48-54
Sample Location: DEWITT

Date Collected: 12/14/23 10:54
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 16:47
Analyst: MHG
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 05:28
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5620	499.	100	A
Aroclor 1221	ND		ug/kg	5620	563.	100	A
Aroclor 1232	ND		ug/kg	5620	1190	100	A
Aroclor 1242	ND		ug/kg	5620	758.	100	A
Aroclor 1248	13800		ug/kg	5620	843.	100	A
Aroclor 1254	ND		ug/kg	5620	615.	100	A
Aroclor 1260	ND		ug/kg	5620	1040	100	A
Aroclor 1262	ND		ug/kg	5620	714.	100	A
Aroclor 1268	ND		ug/kg	5620	582.	100	A
PCBs, Total	13800		ug/kg	5620	499.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374445

Project Number: EE1705007.0032 **Report Date:** 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-11 D
Client ID: SB15-Z54-60
Sample Location: DEWITT

Date Collected: 12/14/23 10:56
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 16:27
Analyst: MHG
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 05:28
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1180	104.	20	A
Aroclor 1221	ND		ug/kg	1180	118.	20	A
Aroclor 1232	ND		ug/kg	1180	250.	20	A
Aroclor 1242	ND		ug/kg	1180	159.	20	A
Aroclor 1248	10100		ug/kg	1180	176.	20	A
Aroclor 1254	ND		ug/kg	1180	129.	20	A
Aroclor 1260	ND		ug/kg	1180	217.	20	A
Aroclor 1262	ND		ug/kg	1180	149.	20	A
Aroclor 1268	ND		ug/kg	1180	122.	20	A
PCBs, Total	10100		ug/kg	1180	104.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374445
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-12
Client ID: SB15-Z60-66
Sample Location: DEWITT

Date Collected: 12/14/23 10:58
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/30/23 10:40
Analyst: MEO
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 12/29/23 23:23
Cleanup Method: EPA 3665A
Cleanup Date: 12/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.2	4.99	1	A
Aroclor 1221	ND		ug/kg	56.2	5.63	1	A
Aroclor 1232	ND		ug/kg	56.2	11.9	1	A
Aroclor 1242	ND		ug/kg	56.2	7.57	1	A
Aroclor 1248	444		ug/kg	56.2	8.42	1	B
Aroclor 1254	ND		ug/kg	56.2	6.14	1	A
Aroclor 1260	ND		ug/kg	56.2	10.4	1	A
Aroclor 1262	ND		ug/kg	56.2	7.13	1	A
Aroclor 1268	ND		ug/kg	56.2	5.82	1	A
PCBs, Total	444		ug/kg	56.2	4.99	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374445
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-13
Client ID: SB15-Z66-72
Sample Location: DEWITT

Date Collected: 12/14/23 11:00
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/30/23 10:47
Analyst: MEO
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 12/29/23 23:23
Cleanup Method: EPA 3665A
Cleanup Date: 12/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	51.7	4.59	1	A
Aroclor 1221	ND		ug/kg	51.7	5.18	1	A
Aroclor 1232	ND		ug/kg	51.7	11.0	1	A
Aroclor 1242	ND		ug/kg	51.7	6.97	1	A
Aroclor 1248	219		ug/kg	51.7	7.76	1	A
Aroclor 1254	ND		ug/kg	51.7	5.66	1	A
Aroclor 1260	ND		ug/kg	51.7	9.56	1	B
Aroclor 1262	ND		ug/kg	51.7	6.57	1	A
Aroclor 1268	ND		ug/kg	51.7	5.36	1	A
PCBs, Total	219		ug/kg	51.7	4.59	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374445
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-15 D
Client ID: SB13-Z42-48
Sample Location: DEWITT

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 16:37
Analyst: MHG
Percent Solids: 91%

Date Collected: 12/14/23 11:24
Date Received: 12/15/23
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 12/20/23 05:28
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5360	476.	100	A
Aroclor 1221	ND		ug/kg	5360	537.	100	A
Aroclor 1232	ND		ug/kg	5360	1140	100	A
Aroclor 1242	ND		ug/kg	5360	722.	100	A
Aroclor 1248	6340		ug/kg	5360	804.	100	B
Aroclor 1254	ND		ug/kg	5360	586.	100	A
Aroclor 1260	ND		ug/kg	5360	990.	100	A
Aroclor 1262	ND		ug/kg	5360	681.	100	A
Aroclor 1268	ND		ug/kg	5360	555.	100	A
PCBs, Total	6340		ug/kg	5360	476.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374445
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-16
Client ID: SB13-Z48-54
Sample Location: DEWITT

Date Collected: 12/14/23 11:26
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 20:26
Analyst: MHG
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 05:28
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	51.6	4.58	1	A
Aroclor 1221	ND		ug/kg	51.6	5.17	1	A
Aroclor 1232	ND		ug/kg	51.6	10.9	1	A
Aroclor 1242	ND		ug/kg	51.6	6.96	1	A
Aroclor 1248	836		ug/kg	51.6	7.74	1	A
Aroclor 1254	ND		ug/kg	51.6	5.64	1	A
Aroclor 1260	ND		ug/kg	51.6	9.54	1	A
Aroclor 1262	ND		ug/kg	51.6	6.55	1	A
Aroclor 1268	ND		ug/kg	51.6	5.35	1	A
PCBs, Total	836		ug/kg	51.6	4.58	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374445

Project Number: EE1705007.0032 **Report Date:** 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-17
Client ID: SB13-Z54-60
Sample Location: DEWITT

Date Collected: 12/14/23 11:28
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/21/23 20:35
Analyst: MHG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 05:28
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	51.1	4.54	1	A
Aroclor 1221	ND		ug/kg	51.1	5.12	1	A
Aroclor 1232	ND		ug/kg	51.1	10.8	1	A
Aroclor 1242	ND		ug/kg	51.1	6.88	1	A
Aroclor 1248	913		ug/kg	51.1	7.66	1	A
Aroclor 1254	ND		ug/kg	51.1	5.59	1	A
Aroclor 1260	ND		ug/kg	51.1	9.44	1	A
Aroclor 1262	ND		ug/kg	51.1	6.49	1	A
Aroclor 1268	ND		ug/kg	51.1	5.29	1	A
PCBs, Total	913		ug/kg	51.1	4.54	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374445
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-21 D
Client ID: OS-SS-03-Z6-12
Sample Location: DEWITT

Date Collected: 12/14/23 11:04
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 11:42
Analyst: EMR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 11:31
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	25900	2300	500	A
Aroclor 1221	ND		ug/kg	25900	2600	500	A
Aroclor 1232	ND		ug/kg	25900	5490	500	A
Aroclor 1242	ND		ug/kg	25900	3490	500	A
Aroclor 1248	57900		ug/kg	25900	3890	500	A
Aroclor 1254	ND		ug/kg	25900	2830	500	A
Aroclor 1260	ND		ug/kg	25900	4790	500	A
Aroclor 1262	ND		ug/kg	25900	3290	500	A
Aroclor 1268	ND		ug/kg	25900	2680	500	A
PCBs, Total	57900		ug/kg	25900	2300	500	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374445
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-22 D
Client ID: OS-SS-03-Z12-24
Sample Location: DEWITT

Date Collected: 12/14/23 11:06
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 11:32
Analyst: EMR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 11:31
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	27500	2440	500	A
Aroclor 1221	ND		ug/kg	27500	2760	500	A
Aroclor 1232	ND		ug/kg	27500	5830	500	A
Aroclor 1242	ND		ug/kg	27500	3710	500	A
Aroclor 1248	58300		ug/kg	27500	4130	500	A
Aroclor 1254	ND		ug/kg	27500	3010	500	A
Aroclor 1260	ND		ug/kg	27500	5080	500	A
Aroclor 1262	ND		ug/kg	27500	3490	500	A
Aroclor 1268	ND		ug/kg	27500	2850	500	A
PCBs, Total	58300		ug/kg	27500	2440	500	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374445
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-23 D
Client ID: OS-SS-03-Z24-36
Sample Location: DEWITT

Date Collected: 12/14/23 11:08
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 11:22
Analyst: EMR
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 11:31
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	27800	2470	500	A
Aroclor 1221	ND		ug/kg	27800	2780	500	A
Aroclor 1232	ND		ug/kg	27800	5890	500	A
Aroclor 1242	ND		ug/kg	27800	3750	500	A
Aroclor 1248	54000		ug/kg	27800	4170	500	A
Aroclor 1254	ND		ug/kg	27800	3040	500	A
Aroclor 1260	ND		ug/kg	27800	5140	500	A
Aroclor 1262	ND		ug/kg	27800	3530	500	A
Aroclor 1268	ND		ug/kg	27800	2880	500	A
PCBs, Total	54000		ug/kg	27800	2470	500	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374445
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-24 D
Client ID: OS-SS-03-Z36-42
Sample Location: DEWITT

Date Collected: 12/14/23 11:10
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/30/23 16:15
Analyst: EMR
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 12/29/23 23:23
Cleanup Method: EPA 3665A
Cleanup Date: 12/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5520	490.	100	A
Aroclor 1221	ND		ug/kg	5520	553.	100	A
Aroclor 1232	ND		ug/kg	5520	1170	100	A
Aroclor 1242	ND		ug/kg	5520	744.	100	A
Aroclor 1248	59600		ug/kg	5520	828.	100	A
Aroclor 1254	ND		ug/kg	5520	604.	100	A
Aroclor 1260	ND		ug/kg	5520	1020	100	A
Aroclor 1262	ND		ug/kg	5520	701.	100	A
Aroclor 1268	ND		ug/kg	5520	572.	100	A
PCBs, Total	59600		ug/kg	5520	490.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374445
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-25 D
Client ID: OS-SS-03-Z42-48
Sample Location: DEWITT

Date Collected: 12/14/23 11:12
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/30/23 16:22
Analyst: EMR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 12/29/23 23:23
Cleanup Method: EPA 3665A
Cleanup Date: 12/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5470	486.	100	A
Aroclor 1221	ND		ug/kg	5470	548.	100	A
Aroclor 1232	ND		ug/kg	5470	1160	100	A
Aroclor 1242	ND		ug/kg	5470	738.	100	A
Aroclor 1248	61500		ug/kg	5470	821.	100	A
Aroclor 1254	ND		ug/kg	5470	598.	100	A
Aroclor 1260	ND		ug/kg	5470	1010	100	A
Aroclor 1262	ND		ug/kg	5470	695.	100	A
Aroclor 1268	ND		ug/kg	5470	567.	100	A
PCBs, Total	61500		ug/kg	5470	486.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374445
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-26 D
Client ID: OS-SS-03-Z48-54
Sample Location: DEWITT

Date Collected: 12/14/23 11:14
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/30/23 16:28
Analyst: EMR
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 12/29/23 23:23
Cleanup Method: EPA 3665A
Cleanup Date: 12/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5700	506.	100	A
Aroclor 1221	ND		ug/kg	5700	571.	100	A
Aroclor 1232	ND		ug/kg	5700	1210	100	A
Aroclor 1242	ND		ug/kg	5700	769.	100	A
Aroclor 1248	39800		ug/kg	5700	856.	100	A
Aroclor 1254	ND		ug/kg	5700	624.	100	A
Aroclor 1260	ND		ug/kg	5700	1050	100	A
Aroclor 1262	ND		ug/kg	5700	724.	100	A
Aroclor 1268	ND		ug/kg	5700	591.	100	A
PCBs, Total	39800		ug/kg	5700	506.	100	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374445
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-27
Client ID: OS-SS-03-Z54-60
Sample Location: DEWITT

Date Collected: 12/14/23 11:16
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/30/23 11:14
Analyst: MEO
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 12/29/23 23:23
Cleanup Method: EPA 3665A
Cleanup Date: 12/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	51.6	4.58	1	A
Aroclor 1221	ND		ug/kg	51.6	5.17	1	A
Aroclor 1232	ND		ug/kg	51.6	10.9	1	A
Aroclor 1242	ND		ug/kg	51.6	6.95	1	A
Aroclor 1248	1160		ug/kg	51.6	7.74	1	B
Aroclor 1254	ND		ug/kg	51.6	5.64	1	A
Aroclor 1260	18.9	J	ug/kg	51.6	9.53	1	B
Aroclor 1262	ND		ug/kg	51.6	6.55	1	A
Aroclor 1268	ND		ug/kg	51.6	5.34	1	A
PCBs, Total	1180	J	ug/kg	51.6	4.58	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374445

Project Number: EE1705007.0032 **Report Date:** 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-28
Client ID: OS-SS-03-Z60-66
Sample Location: DEWITT

Date Collected: 12/14/23 11:18
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/30/23 11:21
Analyst: MEO
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 12/29/23 23:23
Cleanup Method: EPA 3665A
Cleanup Date: 12/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	49.1	4.36	1	A
Aroclor 1221	ND		ug/kg	49.1	4.92	1	A
Aroclor 1232	ND		ug/kg	49.1	10.4	1	A
Aroclor 1242	ND		ug/kg	49.1	6.62	1	A
Aroclor 1248	542		ug/kg	49.1	7.36	1	A
Aroclor 1254	ND		ug/kg	49.1	5.37	1	A
Aroclor 1260	ND		ug/kg	49.1	9.07	1	B
Aroclor 1262	ND		ug/kg	49.1	6.23	1	A
Aroclor 1268	ND		ug/kg	49.1	5.08	1	A
PCBs, Total	542		ug/kg	49.1	4.36	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374445
Report Date: 01/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/19/23 18:05
Analyst: ER

Extraction Method: EPA 3546
Extraction Date: 12/19/23 04:42
Cleanup Method: EPA 3665A
Cleanup Date: 12/19/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/19/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02-03,06-07,09 Batch: WG1865578-1						
Aroclor 1016	ND		ug/kg	47.5	4.22	A
Aroclor 1221	ND		ug/kg	47.5	4.76	A
Aroclor 1232	ND		ug/kg	47.5	10.1	A
Aroclor 1242	ND		ug/kg	47.5	6.40	A
Aroclor 1248	ND		ug/kg	47.5	7.12	A
Aroclor 1254	ND		ug/kg	47.5	5.19	A
Aroclor 1260	ND		ug/kg	47.5	8.77	A
Aroclor 1262	ND		ug/kg	47.5	6.03	A
Aroclor 1268	ND		ug/kg	47.5	4.92	A
PCBs, Total	ND		ug/kg	47.5	4.22	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374445
Report Date: 01/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/21/23 19:17
Analyst: RMP

Extraction Method: EPA 3546
Extraction Date: 12/20/23 05:27
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 08,10-11,15-17 Batch: WG1866151-1						
Aroclor 1016	ND		ug/kg	48.5	4.31	A
Aroclor 1221	ND		ug/kg	48.5	4.86	A
Aroclor 1232	ND		ug/kg	48.5	10.3	A
Aroclor 1242	ND		ug/kg	48.5	6.54	A
Aroclor 1248	ND		ug/kg	48.5	7.27	A
Aroclor 1254	ND		ug/kg	48.5	5.30	A
Aroclor 1260	ND		ug/kg	48.5	8.96	A
Aroclor 1262	ND		ug/kg	48.5	6.16	A
Aroclor 1268	ND		ug/kg	48.5	5.02	A
PCBs, Total	ND		ug/kg	48.5	4.31	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374445
Report Date: 01/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/22/23 08:12
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 12/20/23 11:31
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 21-23 Batch: WG1866357-1						
Aroclor 1016	ND		ug/kg	48.8	4.33	A
Aroclor 1221	ND		ug/kg	48.8	4.89	A
Aroclor 1232	ND		ug/kg	48.8	10.3	A
Aroclor 1242	ND		ug/kg	48.8	6.58	A
Aroclor 1248	ND		ug/kg	48.8	7.32	A
Aroclor 1254	ND		ug/kg	48.8	5.34	A
Aroclor 1260	ND		ug/kg	48.8	9.01	A
Aroclor 1262	ND		ug/kg	48.8	6.20	A
Aroclor 1268	ND		ug/kg	48.8	5.05	A
PCBs, Total	ND		ug/kg	48.8	4.33	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374445

Project Number: EE1705007.0032 **Report Date:** 01/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/30/23 10:06
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 12/29/23 23:23
Cleanup Method: EPA 3665A
Cleanup Date: 12/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04,12-13,24-28 Batch: WG1869627-1						
Aroclor 1016	ND		ug/kg	48.9	4.34	A
Aroclor 1221	ND		ug/kg	48.9	4.90	A
Aroclor 1232	ND		ug/kg	48.9	10.4	A
Aroclor 1242	ND		ug/kg	48.9	6.59	A
Aroclor 1248	ND		ug/kg	48.9	7.34	A
Aroclor 1254	ND		ug/kg	48.9	5.35	A
Aroclor 1260	ND		ug/kg	48.9	9.04	A
Aroclor 1262	ND		ug/kg	48.9	6.21	A
Aroclor 1268	ND		ug/kg	48.9	5.07	A
PCBs, Total	ND		ug/kg	48.9	4.34	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	68		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2374445

Report Date: 01/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02-03,06-07,09 Batch: WG1865578-2 WG1865578-3									
Aroclor 1016	93		91		40-140	2		50	A
Aroclor 1260	94		92		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		85		30-150	A
Decachlorobiphenyl	87		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		91		30-150	B
Decachlorobiphenyl	82		79		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2374445

Report Date: 01/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 08,10-11,15-17 Batch: WG1866151-2 WG1866151-3									
Aroclor 1016	80		82		40-140	2		50	A
Aroclor 1260	89		89		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		73		30-150	A
Decachlorobiphenyl	88		89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		76		30-150	B
Decachlorobiphenyl	81		83		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2374445

Report Date: 01/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 21-23 Batch: WG1866357-2 WG1866357-3									
Aroclor 1016	72		69		40-140	4		50	A
Aroclor 1260	65		64		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		69		30-150	A
Decachlorobiphenyl	63		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		67		30-150	B
Decachlorobiphenyl	61		61		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2374445

Report Date: 01/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04,12-13,24-28 Batch: WG1869627-2 WG1869627-3									
Aroclor 1016	84		86		40-140	2		50	A
Aroclor 1260	81		82		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		75		30-150	A
Decachlorobiphenyl	73		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		74		30-150	B
Decachlorobiphenyl	71		74		30-150	B

INORGANICS
&
MISCELLANEOUS

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374445
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-02
Client ID: SB17-Z48-54
Sample Location: DEWITT

Date Collected: 12/14/23 10:38
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.1		%	0.100	NA	1	-	12/19/23 15:25	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374445
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-03
Client ID: SB17-Z54-60
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 10:40
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.1		%	0.100	NA	1	-	12/19/23 15:25	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374445
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-04
Client ID: SB17-Z60-66
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 10:42
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.5		%	0.100	NA	1	-	12/29/23 23:02	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374445
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-06
Client ID: SB15-Z0-2
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 10:46
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.1		%	0.100	NA	1	-	12/19/23 15:25	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374445
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-07
Client ID: SB15-Z12-24
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 10:48
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.8		%	0.100	NA	1	-	12/19/23 15:25	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374445
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-08
Client ID: SB15-Z24-36
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 10:50
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.5		%	0.100	NA	1	-	12/19/23 15:25	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374445
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-09
Client ID: SB15-Z36-48
Sample Location: DEWITT

Date Collected: 12/14/23 10:52
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.4		%	0.100	NA	1	-	12/19/23 15:25	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374445
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-10
Client ID: SB15-Z48-54
Sample Location: DEWITT

Date Collected: 12/14/23 10:54
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.0		%	0.100	NA	1	-	12/19/23 15:25	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374445
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-11
Client ID: SB15-Z54-60
Sample Location: DEWITT

Date Collected: 12/14/23 10:56
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.3		%	0.100	NA	1	-	12/19/23 15:25	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374445
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-12
Client ID: SB15-Z60-66
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 10:58
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.1		%	0.100	NA	1	-	12/29/23 23:02	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374445
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-13
Client ID: SB15-Z66-72
Sample Location: DEWITT

Date Collected: 12/14/23 11:00
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.6		%	0.100	NA	1	-	12/29/23 23:02	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374445
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-15
Client ID: SB13-Z42-48
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 11:24
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.2		%	0.100	NA	1	-	12/19/23 15:25	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374445
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-16
Client ID: SB13-Z48-54
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 11:26
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.7		%	0.100	NA	1	-	12/19/23 15:25	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374445
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-17
Client ID: SB13-Z54-60
Sample Location: DEWITT

Date Collected: 12/14/23 11:28
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.3		%	0.100	NA	1	-	12/19/23 15:25	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374445
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-21
Client ID: OS-SS-03-Z6-12
Sample Location: DEWITT

Date Collected: 12/14/23 11:04
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.6		%	0.100	NA	1	-	12/19/23 15:25	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374445
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-22
Client ID: OS-SS-03-Z12-24
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 11:06
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.7		%	0.100	NA	1	-	12/19/23 15:25	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374445
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-23
Client ID: OS-SS-03-Z24-36
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 11:08
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.1		%	0.100	NA	1	-	12/19/23 15:25	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374445
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-24
Client ID: OS-SS-03-Z36-42
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 11:10
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.1		%	0.100	NA	1	-	12/29/23 23:02	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374445
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-25
Client ID: OS-SS-03-Z42-48
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 11:12
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.2		%	0.100	NA	1	-	12/29/23 23:02	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374445
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-26
Client ID: OS-SS-03-Z48-54
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 11:14
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.7		%	0.100	NA	1	-	12/29/23 23:02	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374445
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-27
Client ID: OS-SS-03-Z54-60
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 11:16
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.6		%	0.100	NA	1	-	12/29/23 23:02	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374445
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374445-28
Client ID: OS-SS-03-Z60-66
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 11:18
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.3		%	0.100	NA	1	-	12/29/23 23:02	121,2540G	WJM

Lab Duplicate Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2374445

Report Date: 01/08/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02-03,06-11,15-17,21-23 QC Batch ID: WG1865899-1 QC Sample: L2374435-29 Client ID: DUP Sample						
Solids, Total	83.4	83.0	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 04,12-13,24-28 QC Batch ID: WG1869612-1 QC Sample: L2374445-04 Client ID: SB17-Z60-66						
Solids, Total	84.5	84.1	%	0		20

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374445
Report Date: 01/08/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2374445-01A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-8082(14)
L2374445-01B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2374445-02A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374445-02B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		TS(7)
L2374445-03A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374445-03B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		TS(7)
L2374445-04A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374445-04B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		TS(7),NYTCL-8082(365)
L2374445-05A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-8082(14)
L2374445-05B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2374445-06A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374445-06B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7)
L2374445-07A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374445-07B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7)
L2374445-08A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374445-08B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7)
L2374445-09A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374445-09B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7)
L2374445-10A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374445-10B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7)
L2374445-11A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374445-11B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374445
Report Date: 01/08/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2374445-12A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374445-12B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374445-13A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374445-13B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374445-14A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-8082(14)
L2374445-14B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2374445-15A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374445-15B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7)
L2374445-16A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374445-16B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7)
L2374445-17A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374445-17B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7)
L2374445-18A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-8082(14)
L2374445-18B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2374445-19A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-8082(14)
L2374445-19B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2374445-20A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-8082(14)
L2374445-20B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2374445-21A	Glass 60mL/2oz w/ septa unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374445-21B	Glass 60mL/2oz w/ septa unpreserved	B	NA		3.7	Y	Absent		TS(7)
L2374445-22A	Glass 60mL/2oz w/ septa unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374445-22B	Glass 60mL/2oz w/ septa unpreserved	B	NA		3.7	Y	Absent		TS(7)
L2374445-23A	Glass 60mL/2oz w/ septa unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374445-23B	Glass 60mL/2oz w/ septa unpreserved	B	NA		3.7	Y	Absent		TS(7)
L2374445-24A	Glass 60mL/2oz w/ septa unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374445-24B	Glass 60mL/2oz w/ septa unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374445-25A	Glass 60mL/2oz w/ septa unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374445-25B	Glass 60mL/2oz w/ septa unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374445
Report Date: 01/08/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2374445-26A	Glass 60mL/2oz w/ septa unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374445-26B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374445-27A	Glass 250ml/8oz unpreserved	NA	NA			Y	Absent		NYTCL-8082(365)
L2374445-27B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374445-28A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374445-28B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374445-29A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-8082(14)
L2374445-29B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2374445-30A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-8082(14)
L2374445-30B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)

*Values in parentheses indicate holding time in days

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374445
Project Number:	EE1705007.0032	**Report Date:**	01/08/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374445
Project Number:	EE1705007.0032	**Report Date:**	01/08/24

Footnotes

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

Terms

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

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

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

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374445
Project Number:	EE1705007.0032	**Report Date:**	01/08/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374445
Project Number:	EE1705007.0032	**Report Date:**	01/08/24

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

NEW YORK CHAIN OF CUSTODY

ALPHA Analytical Laboratories

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 7 of 14

ALPHA Job #

Client Information

Client: WSP USA
Address: 40 La Riviere Dr.
Buffalo NY 14202
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information

Project Name: Loucks Road Extension
Project Location: Dewitt
Project # EE1705007.0032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time

Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

[ ] ASP-A [ ] ASP-B
[X] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement

[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information

[ ] Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

ANALYSIS

Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8021(RB)	TCL
SB17-2 0-4	12/14/13	10:30	S	DB	/	/
SB17-2 4-8	12/14	10:38	S	DB	/	/
SB17-2 54-60	12/14	10:40	S	DB	/	/
SB17-2 60-66	12/14	10:42	S	DB	/	/
SB17-2 66-72	12/14/13	10:44	S	DB	/	/
SB15-2 0-12	12/14/13	10:46	S	DB	/	/
SB15-2 12-24	12/14/13	10:48	S	DB	/	/
SB15-2 24-36	12/14/13	10:50	S	DB	/	/
SB15-2 36-42	12/14/13	10:52	S	DB	/	/
SB15-2 48-54	12/14/13	10:54	S	DB	/	/

Container Type: A A
Preservative: A A

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Sample Specific Comments
HOLD
HOLD
HOLD

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	12/15/13 16:00	[signature]	12/15 1600
[signature]	12/15 1760	[signature]	12/16 0115

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 8 of 14

Date Rec'd in Lab: 12/16/23

ALPHA Job #: L2374445

Client Information
Client: WSP USA
Address: 40 La Riviere Dr.
Buffalo NY, 14202
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@wsp.com

Project Information
Project Name: Loucks Road Extension
Project Location: Dewitt
Project # EE1205007.0032
(Use Project name as Project #) ☐
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NY TCL-8082 (Pest)	TS	Total Bottle	Sample Specific Comments
74445 11	SB 15-2 54-60	12/14/23	10:56	S	DB	/	/		
12	SB 15-2 60-66	12/14/23	10:58	S	DB	/	/		HOLD
13	SB15-2 66-72	12/14/23	11:00	S	DB	/	/		HOLD
14	SB15-2 72-78	12/14/23	11:02	S	DB	/	/		HOLD
15	SB13-2 42-48	12/14/23	11:24	S	DB	/	/		
16	SB13-2 48-54	12/14/23	11:26	S	DB	/	/		
17	SB13-2 54-60	12/14/23	11:28	S	DB	/	/		
18	SB13-2 60-66	12/14/23	11:30	S	DB	/	/		HOLD
19	SB13-2 66-72	12/14/23	11:32	S	DB	/	/		HOLD
20	SB13-2 72-78	12/14/23	11:33	S	DB	/	/		HOLD

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type													
Preservative	A	A											

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	12/15/23 16:00	[signature]	12/15 1600
[signature]	12/15 1700	[signature]	12/16 0115

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 8 of 14

Date Rec'd in Lab: 12/16/23

ALPHA Job #: L2374445

Client Information
Client: WSP USA
Address: 40 La Riviere Dr
Buffalo NY 14202
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information
Project Name: Loucks Road Extension
Project Location: Dewitt
Project # EE1705007.0032
(Use Project name as Project #) ☐
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other:
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8081B	TS	Sample Specific Comments
74445-21	OS-SS-03-26-12	12/14/23	11:04	S	DB	✓	✓	
22	OS-SS-03-2 12-24	12/14/23	11:06	S	DB	✓	✓	
23	OS-SS-03-2 24-36	12/14/23	11:08	S	DB	✓	✓	
24	OS-SS-03-2 36-42	12/14/23	11:10	S	DB	✓	✓	HOLD
25	OS-SS-03-2 42-48	12/14/23	11:12	S	DB	✓	✓	HOLD
26	OS-SS-03-2 48-54	12/14/23	11:14	S	DB	✓	✓	HOLD
27	OS-SS-03-2 54-60	12/14/23	11:16	S	DB	✓	✓	HOLD
28	OS-SS-03-2 60-66	12/14/23	11:18	S	DB	✓	✓	HOLD
29	OS-SS-03-2 66-72	12/14/23	11:20	S	DB	✓	✓	HOLD
30	OS-SS-03-2 72-78	12/14/23	11:22	S	DB	✓	✓	HOLD

Container Type
Preservative: A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	12/15/23 16:00	Ryan Murphy	12/15 1600
Ryan Murphy	12/15 1703	Mohammed	12/16 0115

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2374447
Client:	WSP 40 La Riviere Drive Suite 320 Buffalo, NY 14202
ATTN:	Drew Bullinger
Phone:	(716) 204-5880
Project Name:	LOUCKS ROAD EXTENSION
Project Number:	EE1705007.0032
Report Date:	01/08/24

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374447
Report Date: 01/08/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2374447-01	SB11-Z48-54	SOIL	DEWITT	12/14/23 11:34	12/15/23
L2374447-02	SB11-Z54-60	SOIL	DEWITT	12/14/23 11:36	12/15/23
L2374447-03	SB11-Z60-66	SOIL	DEWITT	12/14/23 11:38	12/15/23
L2374447-04	SB11-Z66-72	SOIL	DEWITT	12/14/23 11:40	12/15/23
L2374447-05	SB09-Z48-54	SOIL	DEWITT	12/14/23 11:42	12/15/23
L2374447-06	SB09-Z54-60	SOIL	DEWITT	12/14/23 11:44	12/15/23
L2374447-07	SB09-Z60-66	SOIL	DEWITT	12/14/23 11:46	12/15/23
L2374447-08	SB09-Z66-72	SOIL	DEWITT	12/14/23 11:48	12/15/23
L2374447-09	SB10-Z48-54	SOIL	DEWITT	12/14/23 11:50	12/15/23
L2374447-10	SB10-Z54-60	SOIL	DEWITT	12/14/23 11:52	12/15/23
L2374447-11	SB10-Z60-66	SOIL	DEWITT	12/14/23 11:54	12/15/23
L2374447-12	SB10-Z66-72	SOIL	DEWITT	12/14/23 11:56	12/15/23
L2374447-13	SB08-Z36-42	SOIL	DEWITT	12/14/23 11:58	12/15/23
L2374447-14	SB08-Z42-48	SOIL	DEWITT	12/14/23 12:00	12/15/23
L2374447-15	SB06-Z36-42	SOIL	DEWITT	12/14/23 12:06	12/15/23
L2374447-16	SB06-Z48-54	SOIL	DEWITT	12/14/23 12:08	12/15/23
L2374447-17	SB06-Z54-60	SOIL	DEWITT	12/14/23 12:10	12/15/23
L2374447-18	SB06-Z60-66	SOIL	DEWITT	12/14/23 12:12	12/15/23
L2374447-19	SB67-Z0-2	SOIL	DEWITT	12/14/23 12:16	12/15/23
L2374447-20	SB67-Z6-12	SOIL	DEWITT	12/14/23 12:18	12/15/23
L2374447-21	SB67-Z12-24	SOIL	DEWITT	12/14/23 12:20	12/15/23
L2374447-22	SB67-Z24-36	SOIL	DEWITT	12/14/23 12:22	12/15/23
L2374447-23	SB66-Z0-2	SOIL	DEWITT	12/14/23 12:24	12/15/23
L2374447-24	SB66-Z6-12	SOIL	DEWITT	12/14/23 12:26	12/15/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2374447-25	SB66-Z12-24	SOIL	DEWITT	12/14/23 12:28	12/15/23
L2374447-26	SB66-Z24-36	SOIL	DEWITT	12/14/23 12:30	12/15/23
L2374447-27	SB66-Z36-42	SOIL	DEWITT	12/14/23 12:32	12/15/23
L2374447-28	OS-SS-26-Z6-12	SOIL	DEWITT	12/14/23 12:38	12/15/23
L2374447-29	OS-SS-26-Z12-24	SOIL	DEWITT	12/14/23 12:40	12/15/23
L2374447-30	OS-SS-26-Z24-36	SOIL	DEWITT	12/14/23 12:42	12/15/23

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374447
Project Number:	EE1705007.0032	**Report Date:**	01/08/24

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374447
Project Number:	EE1705007.0032	**Report Date:**	01/08/24

Case Narrative (continued)

Report Submission

January 08, 2024: This final report includes the results of all requested analyses.

January 05, 2024: This preliminary report includes the results of the following analysis:

L2374447-22: PCBs

December 22, 2023: This is a preliminary report.

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

Sample Receipt

L2374447-28: The sample identified as "OS-SS-26-Z" on the chain of custody was identified as "OS-SS-26-Z6-12" on the container label. At the client's request, the sample is reported as "OS-SS-26-Z6-12".

L2374447-29: The sample identified as "OS-SS-26-Z" on the chain of custody was identified as "OS-SS-26-Z12-24" on the container label. At the client's request, the sample is reported as "OS-SS-26-Z12-24".

L2374447-30: The sample identified as "OS-SS-26-Z" on the chain of custody was identified as "OS-SS-26-Z24-36" on the container label. At the client's request, the sample is reported as "OS-SS-26-Z24-36".

PCBs

L2374447-05D, -09D, -13D, -14D, and -28D: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%/0%) and decachlorobiphenyl (0%/0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

L2374447-06, -09D, -10, -15, -19, -20, -21D, -23, -24, -28D, and -29: The sample contains peaks which match the retention times for Aroclor 1248, but do not match the area ratios typical for this aroclor. The result for Aroclor 1248 is reported as "weathered".

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

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 01/08/24

ORGANICS

PCBS

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374447
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-01
Client ID: SB11-Z48-54
Sample Location: DEWITT

Date Collected: 12/14/23 11:34
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 09:56
Analyst: LMR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 09:35
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	50.2	4.46	1	A
Aroclor 1221	ND		ug/kg	50.2	5.03	1	A
Aroclor 1232	ND		ug/kg	50.2	10.6	1	A
Aroclor 1242	ND		ug/kg	50.2	6.77	1	A
Aroclor 1248	15.9	J	ug/kg	50.2	7.53	1	A
Aroclor 1254	ND		ug/kg	50.2	5.49	1	A
Aroclor 1260	ND		ug/kg	50.2	9.28	1	A
Aroclor 1262	ND		ug/kg	50.2	6.38	1	A
Aroclor 1268	ND		ug/kg	50.2	5.20	1	A
PCBs, Total	15.9	J	ug/kg	50.2	4.46	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374447

Project Number: EE1705007.0032 **Report Date:** 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-02
Client ID: SB11-Z54-60
Sample Location: DEWITT

Date Collected: 12/14/23 11:36
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 10:09
Analyst: LMR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 09:35
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	51.4	4.56	1	A
Aroclor 1221	ND		ug/kg	51.4	5.15	1	A
Aroclor 1232	ND		ug/kg	51.4	10.9	1	A
Aroclor 1242	ND		ug/kg	51.4	6.93	1	A
Aroclor 1248	ND		ug/kg	51.4	7.71	1	A
Aroclor 1254	ND		ug/kg	51.4	5.62	1	A
Aroclor 1260	ND		ug/kg	51.4	9.50	1	A
Aroclor 1262	ND		ug/kg	51.4	6.53	1	A
Aroclor 1268	ND		ug/kg	51.4	5.32	1	A
PCBs, Total	ND		ug/kg	51.4	4.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374447

Project Number: EE1705007.0032 **Report Date:** 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-05 D
Client ID: SB09-Z48-54
Sample Location: DEWITT

Date Collected: 12/14/23 11:42
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 11:35
Analyst: RMP
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 09:35
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5560	494.	100	A
Aroclor 1221	ND		ug/kg	5560	557.	100	A
Aroclor 1232	ND		ug/kg	5560	1180	100	A
Aroclor 1242	ND		ug/kg	5560	750.	100	A
Aroclor 1248	17900		ug/kg	5560	834.	100	B
Aroclor 1254	ND		ug/kg	5560	608.	100	A
Aroclor 1260	ND		ug/kg	5560	1030	100	A
Aroclor 1262	ND		ug/kg	5560	706.	100	A
Aroclor 1268	ND		ug/kg	5560	576.	100	A
PCBs, Total	17900		ug/kg	5560	494.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374447
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-06
Client ID: SB09-Z54-60
Sample Location: DEWITT

Date Collected: 12/14/23 11:44
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 10:21
Analyst: LMR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 09:35
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	50.9	4.52	1	A
Aroclor 1221	ND		ug/kg	50.9	5.10	1	A
Aroclor 1232	ND		ug/kg	50.9	10.8	1	A
Aroclor 1242	ND		ug/kg	50.9	6.86	1	A
Aroclor 1248	764		ug/kg	50.9	7.63	1	A
Aroclor 1254	ND		ug/kg	50.9	5.56	1	A
Aroclor 1260	ND		ug/kg	50.9	9.40	1	A
Aroclor 1262	ND		ug/kg	50.9	6.46	1	A
Aroclor 1268	ND		ug/kg	50.9	5.27	1	A
PCBs, Total	764		ug/kg	50.9	4.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374447
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-09 D
Client ID: SB10-Z48-54
Sample Location: DEWITT

Date Collected: 12/14/23 11:50
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 12:52
Analyst: EMR
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 09:35
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1160	102.	20	A
Aroclor 1221	ND		ug/kg	1160	116.	20	A
Aroclor 1232	ND		ug/kg	1160	245.	20	A
Aroclor 1242	ND		ug/kg	1160	156.	20	A
Aroclor 1248	7090		ug/kg	1160	173.	20	A
Aroclor 1254	ND		ug/kg	1160	126.	20	A
Aroclor 1260	ND		ug/kg	1160	213.	20	A
Aroclor 1262	ND		ug/kg	1160	147.	20	A
Aroclor 1268	ND		ug/kg	1160	120.	20	A
PCBs, Total	7090		ug/kg	1160	102.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374447

Project Number: EE1705007.0032 **Report Date:** 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-10
Client ID: SB10-Z54-60
Sample Location: DEWITT

Date Collected: 12/14/23 11:52
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 10:34
Analyst: LMR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 09:35
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.6	4.67	1	A
Aroclor 1221	ND		ug/kg	52.6	5.27	1	A
Aroclor 1232	ND		ug/kg	52.6	11.2	1	A
Aroclor 1242	ND		ug/kg	52.6	7.09	1	A
Aroclor 1248	540		ug/kg	52.6	7.89	1	A
Aroclor 1254	ND		ug/kg	52.6	5.76	1	A
Aroclor 1260	ND		ug/kg	52.6	9.72	1	A
Aroclor 1262	ND		ug/kg	52.6	6.68	1	A
Aroclor 1268	ND		ug/kg	52.6	5.45	1	A
PCBs, Total	540		ug/kg	52.6	4.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374447

Project Number: EE1705007.0032 **Report Date:** 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-13 D
Client ID: SB08-Z36-42
Sample Location: DEWITT

Date Collected: 12/14/23 11:58
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 11:19
Analyst: RMP
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 09:35
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5300	471.	100	A
Aroclor 1221	ND		ug/kg	5300	531.	100	A
Aroclor 1232	ND		ug/kg	5300	1120	100	A
Aroclor 1242	ND		ug/kg	5300	714.	100	A
Aroclor 1248	8800		ug/kg	5300	795.	100	B
Aroclor 1254	ND		ug/kg	5300	580.	100	A
Aroclor 1260	ND		ug/kg	5300	980.	100	A
Aroclor 1262	ND		ug/kg	5300	673.	100	A
Aroclor 1268	ND		ug/kg	5300	549.	100	A
PCBs, Total	8800		ug/kg	5300	471.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374447

Project Number: EE1705007.0032 **Report Date:** 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-14 D
Client ID: SB08-Z42-48
Sample Location: DEWITT

Date Collected: 12/14/23 12:00
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 11:27
Analyst: RMP
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 09:35
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	5450	484.	100	A
Aroclor 1221	ND		ug/kg	5450	546.	100	A
Aroclor 1232	ND		ug/kg	5450	1150	100	A
Aroclor 1242	ND		ug/kg	5450	734.	100	A
Aroclor 1248	16800		ug/kg	5450	817.	100	B
Aroclor 1254	ND		ug/kg	5450	596.	100	A
Aroclor 1260	ND		ug/kg	5450	1010	100	A
Aroclor 1262	ND		ug/kg	5450	692.	100	A
Aroclor 1268	ND		ug/kg	5450	564.	100	A
PCBs, Total	16800		ug/kg	5450	484.	100	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374447
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-15
Client ID: SB06-Z36-42
Sample Location: DEWITT

Date Collected: 12/14/23 12:06
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 08:17
Analyst: ER
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 09:35
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	51.8	4.60	1	A
Aroclor 1221	ND		ug/kg	51.8	5.19	1	A
Aroclor 1232	ND		ug/kg	51.8	11.0	1	A
Aroclor 1242	ND		ug/kg	51.8	6.99	1	A
Aroclor 1248	649		ug/kg	51.8	7.77	1	A
Aroclor 1254	ND		ug/kg	51.8	5.67	1	A
Aroclor 1260	ND		ug/kg	51.8	9.58	1	A
Aroclor 1262	ND		ug/kg	51.8	6.58	1	A
Aroclor 1268	ND		ug/kg	51.8	5.37	1	A
PCBs, Total	649		ug/kg	51.8	4.60	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374447
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-16
Client ID: SB06-Z48-54
Sample Location: DEWITT

Date Collected: 12/14/23 12:08
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 08:27
Analyst: ER
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 09:35
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	50.1	4.45	1	A
Aroclor 1221	ND		ug/kg	50.1	5.02	1	A
Aroclor 1232	ND		ug/kg	50.1	10.6	1	A
Aroclor 1242	ND		ug/kg	50.1	6.75	1	A
Aroclor 1248	29.5	J	ug/kg	50.1	7.52	1	B
Aroclor 1254	ND		ug/kg	50.1	5.48	1	A
Aroclor 1260	ND		ug/kg	50.1	9.26	1	A
Aroclor 1262	ND		ug/kg	50.1	6.36	1	A
Aroclor 1268	ND		ug/kg	50.1	5.19	1	A
PCBs, Total	29.5	J	ug/kg	50.1	4.45	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374447

Project Number: EE1705007.0032 **Report Date:** 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-19
Client ID: SB67-Z0-2
Sample Location: DEWITT

Date Collected: 12/14/23 12:16
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 08:37
Analyst: ER
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 09:39
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.8	5.13	1	A
Aroclor 1221	ND		ug/kg	57.8	5.79	1	A
Aroclor 1232	ND		ug/kg	57.8	12.2	1	A
Aroclor 1242	ND		ug/kg	57.8	7.79	1	A
Aroclor 1248	120		ug/kg	57.8	8.67	1	A
Aroclor 1254	ND		ug/kg	57.8	6.32	1	A
Aroclor 1260	ND		ug/kg	57.8	10.7	1	A
Aroclor 1262	ND		ug/kg	57.8	7.34	1	A
Aroclor 1268	ND		ug/kg	57.8	5.99	1	A
PCBs, Total	120		ug/kg	57.8	5.13	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374447

Project Number: EE1705007.0032 **Report Date:** 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-20
Client ID: SB67-Z6-12
Sample Location: DEWITT

Date Collected: 12/14/23 12:18
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 09:06
Analyst: ER
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 09:39
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.0	4.88	1	A
Aroclor 1221	ND		ug/kg	55.0	5.51	1	A
Aroclor 1232	ND		ug/kg	55.0	11.6	1	A
Aroclor 1242	ND		ug/kg	55.0	7.41	1	A
Aroclor 1248	467		ug/kg	55.0	8.24	1	A
Aroclor 1254	ND		ug/kg	55.0	6.01	1	A
Aroclor 1260	ND		ug/kg	55.0	10.2	1	A
Aroclor 1262	ND		ug/kg	55.0	6.98	1	A
Aroclor 1268	ND		ug/kg	55.0	5.69	1	A
PCBs, Total	467		ug/kg	55.0	4.88	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374447

Project Number: EE1705007.0032 **Report Date:** 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-21 D
Client ID: SB67-Z12-24
Sample Location: DEWITT

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 12:32
Analyst: EMR
Percent Solids: 89%

Date Collected: 12/14/23 12:20
Date Received: 12/15/23
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 12/20/23 09:39
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	276	24.5	5	A
Aroclor 1221	ND		ug/kg	276	27.7	5	A
Aroclor 1232	ND		ug/kg	276	58.6	5	A
Aroclor 1242	ND		ug/kg	276	37.2	5	A
Aroclor 1248	1920		ug/kg	276	41.4	5	A
Aroclor 1254	ND		ug/kg	276	30.2	5	A
Aroclor 1260	ND		ug/kg	276	51.1	5	A
Aroclor 1262	ND		ug/kg	276	35.1	5	A
Aroclor 1268	ND		ug/kg	276	28.6	5	A
PCBs, Total	1920		ug/kg	276	24.5	5	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374447
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-22
Client ID: SB67-Z24-36
Sample Location: DEWITT

Date Collected: 12/14/23 12:22
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/30/23 11:28
Analyst: MEO
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 12/29/23 23:23
Cleanup Method: EPA 3665A
Cleanup Date: 12/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.4	4.66	1	A
Aroclor 1221	ND		ug/kg	52.4	5.26	1	A
Aroclor 1232	ND		ug/kg	52.4	11.1	1	A
Aroclor 1242	ND		ug/kg	52.4	7.07	1	A
Aroclor 1248	513		ug/kg	52.4	7.87	1	A
Aroclor 1254	ND		ug/kg	52.4	5.74	1	A
Aroclor 1260	21.1	J	ug/kg	52.4	9.69	1	B
Aroclor 1262	ND		ug/kg	52.4	6.66	1	A
Aroclor 1268	ND		ug/kg	52.4	5.43	1	A
PCBs, Total	534	J	ug/kg	52.4	4.66	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374447

Project Number: EE1705007.0032 **Report Date:** 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-23
Client ID: SB66-Z0-2
Sample Location: DEWITT

Date Collected: 12/14/23 12:24
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 09:16
Analyst: ER
Percent Solids: 64%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 09:39
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	72.8	6.46	1	A
Aroclor 1221	ND		ug/kg	72.8	7.29	1	A
Aroclor 1232	ND		ug/kg	72.8	15.4	1	A
Aroclor 1242	ND		ug/kg	72.8	9.81	1	A
Aroclor 1248	1000		ug/kg	72.8	10.9	1	A
Aroclor 1254	ND		ug/kg	72.8	7.96	1	A
Aroclor 1260	ND		ug/kg	72.8	13.4	1	A
Aroclor 1262	ND		ug/kg	72.8	9.24	1	A
Aroclor 1268	ND		ug/kg	72.8	7.54	1	A
PCBs, Total	1000		ug/kg	72.8	6.46	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374447

Project Number: EE1705007.0032 **Report Date:** 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-24
Client ID: SB66-Z6-12
Sample Location: DEWITT

Date Collected: 12/14/23 12:26
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 09:26
Analyst: ER
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 09:39
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.8	5.22	1	A
Aroclor 1221	ND		ug/kg	58.8	5.89	1	A
Aroclor 1232	ND		ug/kg	58.8	12.5	1	A
Aroclor 1242	ND		ug/kg	58.8	7.93	1	A
Aroclor 1248	102		ug/kg	58.8	8.82	1	A
Aroclor 1254	ND		ug/kg	58.8	6.43	1	A
Aroclor 1260	ND		ug/kg	58.8	10.9	1	A
Aroclor 1262	ND		ug/kg	58.8	7.47	1	A
Aroclor 1268	ND		ug/kg	58.8	6.09	1	A
PCBs, Total	102		ug/kg	58.8	5.22	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374447

Project Number: EE1705007.0032 **Report Date:** 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-25
Client ID: SB66-Z12-24
Sample Location: DEWITT

Date Collected: 12/14/23 12:28
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 09:36
Analyst: ER
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 09:39
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.3	5.09	1	A
Aroclor 1221	ND		ug/kg	57.3	5.74	1	A
Aroclor 1232	ND		ug/kg	57.3	12.2	1	A
Aroclor 1242	ND		ug/kg	57.3	7.73	1	A
Aroclor 1248	9.24	J	ug/kg	57.3	8.60	1	B
Aroclor 1254	ND		ug/kg	57.3	6.27	1	A
Aroclor 1260	ND		ug/kg	57.3	10.6	1	A
Aroclor 1262	ND		ug/kg	57.3	7.28	1	A
Aroclor 1268	ND		ug/kg	57.3	5.94	1	A
PCBs, Total	9.24	J	ug/kg	57.3	5.09	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374447
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-28 D
Client ID: OS-SS-26-Z6-12
Sample Location: DEWITT

Date Collected: 12/14/23 12:38
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 12:42
Analyst: EMR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 09:39
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1060	93.7	20	A
Aroclor 1221	ND		ug/kg	1060	106.	20	A
Aroclor 1232	ND		ug/kg	1060	224.	20	A
Aroclor 1242	ND		ug/kg	1060	142.	20	A
Aroclor 1248	2410		ug/kg	1060	158.	20	A
Aroclor 1254	ND		ug/kg	1060	115.	20	A
Aroclor 1260	ND		ug/kg	1060	195.	20	A
Aroclor 1262	ND		ug/kg	1060	134.	20	A
Aroclor 1268	ND		ug/kg	1060	109.	20	A
PCBs, Total	2410		ug/kg	1060	93.7	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374447

Project Number: EE1705007.0032 **Report Date:** 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-29
Client ID: OS-SS-26-Z12-24
Sample Location: DEWITT

Date Collected: 12/14/23 12:40
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 09:46
Analyst: ER
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 09:39
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.9	5.14	1	A
Aroclor 1221	ND		ug/kg	57.9	5.80	1	A
Aroclor 1232	ND		ug/kg	57.9	12.3	1	A
Aroclor 1242	ND		ug/kg	57.9	7.81	1	A
Aroclor 1248	306		ug/kg	57.9	8.69	1	A
Aroclor 1254	ND		ug/kg	57.9	6.34	1	A
Aroclor 1260	ND		ug/kg	57.9	10.7	1	A
Aroclor 1262	ND		ug/kg	57.9	7.36	1	A
Aroclor 1268	ND		ug/kg	57.9	6.00	1	A
PCBs, Total	306		ug/kg	57.9	5.14	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374447
Report Date: 01/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/21/23 19:46
Analyst: MHG

Extraction Method: EPA 3546
Extraction Date: 12/20/23 09:35
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02,05-06,09-10,13-16,19-21,23-25,28-29 Batch: WG1866270-1						
Aroclor 1016	ND		ug/kg	46.7	4.14	A
Aroclor 1221	ND		ug/kg	46.7	4.68	A
Aroclor 1232	ND		ug/kg	46.7	9.90	A
Aroclor 1242	ND		ug/kg	46.7	6.29	A
Aroclor 1248	ND		ug/kg	46.7	7.00	A
Aroclor 1254	ND		ug/kg	46.7	5.11	A
Aroclor 1260	ND		ug/kg	46.7	8.63	A
Aroclor 1262	ND		ug/kg	46.7	5.93	A
Aroclor 1268	ND		ug/kg	46.7	4.84	A
PCBs, Total	ND		ug/kg	46.7	4.14	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374447

Project Number: EE1705007.0032 **Report Date:** 01/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/30/23 10:06
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 12/29/23 23:23
Cleanup Method: EPA 3665A
Cleanup Date: 12/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 22 Batch: WG1869627-1						
Aroclor 1016	ND		ug/kg	48.9	4.34	A
Aroclor 1221	ND		ug/kg	48.9	4.90	A
Aroclor 1232	ND		ug/kg	48.9	10.4	A
Aroclor 1242	ND		ug/kg	48.9	6.59	A
Aroclor 1248	ND		ug/kg	48.9	7.34	A
Aroclor 1254	ND		ug/kg	48.9	5.35	A
Aroclor 1260	ND		ug/kg	48.9	9.04	A
Aroclor 1262	ND		ug/kg	48.9	6.21	A
Aroclor 1268	ND		ug/kg	48.9	5.07	A
PCBs, Total	ND		ug/kg	48.9	4.34	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	68		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2374447

Report Date: 01/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02,05-06,09-10,13-16,19-21,23-25,28-29 Batch: WG1866270-2 WG1866270-3									
Aroclor 1016	70		70		40-140	0		50	A
Aroclor 1260	69		71		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		66		30-150	A
Decachlorobiphenyl	68		70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		68		30-150	B
Decachlorobiphenyl	73		73		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374447
Report Date: 01/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 22 Batch: WG1869627-2 WG1869627-3									
Aroclor 1016	84		86		40-140	2		50	A
Aroclor 1260	81		82		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		75		30-150	A
Decachlorobiphenyl	73		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		74		30-150	B
Decachlorobiphenyl	71		74		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2374447

Report Date: 01/08/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02,05-06,09-10,13-16,19-21,23-25,28-29 QC Batch ID: WG1866270-4 WG1866270-5 QC Sample: L2374447-19 Client ID: SB67-Z0-2													
Aroclor 1016	ND	347	232	67		218	61		40-140	6		50	A
Aroclor 1260	ND	347	215	62		206	57		40-140	4		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		55		30-150	A
Decachlorobiphenyl	53		48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		56		30-150	B
Decachlorobiphenyl	58		52		30-150	B

INORGANICS
&
MISCELLANEOUS

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374447
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-01
Client ID: SB11-Z48-54
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 11:34
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.7		%	0.100	NA	1	-	12/19/23 15:25	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374447
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-02
Client ID: SB11-Z54-60
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 11:36
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.3		%	0.100	NA	1	-	12/19/23 15:25	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374447
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-05
Client ID: SB09-Z48-54
Sample Location: DEWITT

Date Collected: 12/14/23 11:42
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.8		%	0.100	NA	1	-	12/19/23 15:25	121,2540G	SJB

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374447
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-06
Client ID: SB09-Z54-60
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 11:44
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.0		%	0.100	NA	1	-	12/19/23 21:13	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374447
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-09
Client ID: SB10-Z48-54
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 11:50
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.3		%	0.100	NA	1	-	12/19/23 21:13	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374447
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-10
Client ID: SB10-Z54-60
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 11:52
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.3		%	0.100	NA	1	-	12/19/23 21:13	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374447
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-13
Client ID: SB08-Z36-42
Sample Location: DEWITT

Date Collected: 12/14/23 11:58
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.5		%	0.100	NA	1	-	12/19/23 21:13	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374447
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-14
Client ID: SB08-Z42-48
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 12:00
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.5		%	0.100	NA	1	-	12/19/23 21:13	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374447
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-15
Client ID: SB06-Z36-42
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 12:06
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.0		%	0.100	NA	1	-	12/19/23 21:13	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374447
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-16
Client ID: SB06-Z48-54
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 12:08
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.7		%	0.100	NA	1	-	12/19/23 21:13	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374447
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-19
Client ID: SB67-Z0-2
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 12:16
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.6		%	0.100	NA	1	-	12/19/23 21:13	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374447
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-20
Client ID: SB67-Z6-12
Sample Location: DEWITT

Date Collected: 12/14/23 12:18
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.4		%	0.100	NA	1	-	12/19/23 21:13	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374447
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-21
Client ID: SB67-Z12-24
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 12:20
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.6		%	0.100	NA	1	-	12/19/23 21:13	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374447
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-22
Client ID: SB67-Z24-36
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 12:22
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.1		%	0.100	NA	1	-	12/29/23 23:02	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374447
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-23
Client ID: SB66-Z0-2
Sample Location: DEWITT

Date Collected: 12/14/23 12:24
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	63.8		%	0.100	NA	1	-	12/19/23 21:13	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374447
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-24
Client ID: SB66-Z6-12
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 12:26
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.2		%	0.100	NA	1	-	12/19/23 21:13	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374447
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-25
Client ID: SB66-Z12-24
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 12:28
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.3		%	0.100	NA	1	-	12/19/23 21:13	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374447
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-28
Client ID: OS-SS-26-Z6-12
Sample Location: DEWITT

Date Collected: 12/14/23 12:38
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.4		%	0.100	NA	1	-	12/19/23 21:13	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374447
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374447-29
Client ID: OS-SS-26-Z12-24
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 12:40
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.0		%	0.100	NA	1	-	12/19/23 21:13	121,2540G	WJM

Lab Duplicate Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2374447

Report Date: 01/08/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02,05 QC Batch ID: WG1865899-1 QC Sample: L2374435-29 Client ID: DUP Sample						
Solids, Total	83.4	83.0	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 06,09-10,13-16,19-21,23-25,28-29 QC Batch ID: WG1866042-1 QC Sample: L2374447-19 Client ID: SB67-Z0-2						
Solids, Total	83.6	80.4	%	4		20
General Chemistry - Westborough Lab Associated sample(s): 22 QC Batch ID: WG1869612-1 QC Sample: L2374445-04 Client ID: DUP Sample						
Solids, Total	84.5	84.1	%	0		20

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374447
Report Date: 01/08/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2374447-01A	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374447-02A	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374447-03A	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2374447-04A	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2374447-05A	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374447-06A	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374447-07A	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2374447-08A	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2374447-09A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374447-09B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374447-10A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374447-10B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374447-11A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-8082(14)
L2374447-11B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2374447-12A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-8082(14)
L2374447-12B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2374447-13A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374447-13B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374447-14A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374447-14B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374447-15A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374447-15B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		TS(7),NYTCL-8082(365)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374447
Report Date: 01/08/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2374447-16A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374447-16B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		TS(7),NYTCL-8082(365)
L2374447-17A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-8082(14)
L2374447-17B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2374447-18A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-8082(14)
L2374447-18B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2374447-19A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374447-19A1	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374447-19A2	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374447-19B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		TS(7),NYTCL-8082(365)
L2374447-19B1	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		TS(7),NYTCL-8082(365)
L2374447-19B2	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		TS(7),NYTCL-8082(365)
L2374447-20A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374447-20B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		TS(7),NYTCL-8082(365)
L2374447-21A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374447-21B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		TS(7),NYTCL-8082(365)
L2374447-22A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374447-22B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		TS(7),NYTCL-8082(365)
L2374447-23A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374447-23B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374447-24A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374447-24B	Plastic 2oz unpreserved for TS	A	NA		3.6	Y	Absent		TS(7)
L2374447-25A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8082(365)
L2374447-25B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		TS(7),NYTCL-8082(365)
L2374447-26A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-8082(14)
L2374447-26B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)
L2374447-27A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-8082(14)
L2374447-27B	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374447
Report Date: 01/08/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2374447-28A	Glass 60mL/2oz w/ septa unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374447-28B	Glass 60mL/2oz w/ septa unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374447-29A	Glass 60mL/2oz w/ septa unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374447-29B	Glass 60mL/2oz w/ septa unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374447-30A	Glass 60mL/2oz w/ septa unpreserved	B	NA		3.7	Y	Absent		HOLD-8082(14)
L2374447-30B	Glass 60mL/2oz w/ septa unpreserved	B	NA		3.7	Y	Absent		HOLD-WETCHEM(),HOLD-8082(14)

*Values in parentheses indicate holding time in days

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374447
Project Number:	EE1705007.0032	**Report Date:**	01/08/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374447
Project Number:	EE1705007.0032	**Report Date:**	01/08/24

Footnotes

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

Terms

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

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

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

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374447
Project Number:	EE1705007.0032	**Report Date:**	01/08/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374447

Project Number: EE1705007.0032 **Report Date:** 01/08/24

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

ALPHA

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 10 of 14

Date Rec'd in Lab: 12/16/23

ALPHA Job #: L2374447

Client Information
Client: WSP USA
Address: 40 La Riviere Dr
Buffalo NY 14202
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@wsp.com

Project Information
Project Name: Loucks Road Extension
Project Location: Dewitt
Project #: EE1705007.0032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables
[ ] ASP-A [ ] ASP-B
[X] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement
[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information
[ ] Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTL-PFAS (24)	TS	Total Bottles	Sample Specific Comments
74447-01	SB11-2 48-54	12/14/23	11:34	S	DB	/	/		
02	SB11-2 54-60	12/14/23	11:36	S	DB	/	/		
03	SB11-2 60-66	12/14/23	11:38	S	DB	/	/		HOLD
04	SB11-2 66-72	12/14/23	11:40	S	DB	/	/		HOLD
05	SB09-2 48-54	12/14/23	11:42	S	DB	/	/		
06	SB09-2 54-60	12/14/23	11:44	S	DB	/	/		
07	SB09-2 60-66	12/14/23	11:46	S	DB	/	/		HOLD
08	SB09-2 66-72	12/14/23	11:48	S	DB	/	/		HOLD
09	SB10-2 48-54	12/14/23	11:50	S	DB	/	/		
10	SB10-2 54-60	12/14/23	11:52	S	DB	/	/		

Container Type: A A
Preservative: A A

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; K/E = Zn Ac/NaOH; O = Other

Container Code: P = Plastic; A = Amber Glass; V = Vial; G = Glass; B = Bacteria Cup; C = Cube; O = Other; E = Encore; D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	12/15/23 16:00	[signature]	12/15 1600
[signature]	12/15 1700	[signature]	12/16 0115

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 11 of 14

Date Rec'd in Lab: 12/16/23

ALPHA Job #: L2374447

Client Information
Client: WSP USA
Address: 40 La Riviere Dr
Buffalo NY 14202
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information
Project Name: Loucks Road Extension
Project Location: Dewitt
Project #: EE1705007.0032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NY TCL-8082 (PCB)	TS	MS/MSD						Sample Specific Comments	Total Bottles
74447-11	SB10-Z 60-66	12/14/23	11:54	S	DB	1	1							HOLD	
12	SB10-Z 66-72	12/14/23	11:56	S	DB	1	1							HOLD	
13	SB08-Z 36-42	12/14/23	11:58	S	DB	1	1								
14	SB08-Z 42-48	12/14/23	12:00	S	DB	1	1								
15	SB06-Z 36-42	12/14/23	12:06	S	DB	1	1								
16	SB06-Z 48-54	12/14/23	12:08	S	DB	1	1								
17	SB06-Z 54-60	12/14/23	12:10	S	DB	1	1							HOLD	
18	SB06-Z 60-66	12/14/23	12:12	S	DB	1	1							HOLD	
19	SB07-Z 0-2	12/14/23	12:16	S	DB	1	1	1						MS/MSD	
20	SB07-Z 6-12	12/14/23	12:18	S	DB	1	1								
	Container Type														
	Preservative					A	A								

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; K/E = Zn Ac/NaOH; O = Other

Container Code: P = Plastic; A = Amber Glass; V = Vial; G = Glass; B = Bacteria Cup; C = Cube; O = Other; E = Encore; D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	12/15/23 16:00	[illegible]	12/15 1600
[illegible]	12/15 1700	[illegible]	12/16 0115

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 12 of 14

Date Rec'd In Lab: 12/16/23

ALPHA Job #: L2374447

Client Information
Client: WSP USA
Address: 40 La Riviere Dr.
Buffalo NY 14202
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information
Project Name: Loucks Road Extension
Project Location: DeWitt
Project # EE205002.0032
(Use Project name as Project #) ☐
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NY TCL-8082 (NB)	TS	Total Bottles	Sample Specific Comments
74447-21	SB67-2 12-24	12/14/23	12:20	S	DR	✓	✓		
22	SB67-2 24-36	12/14/23	12:22	S	DB	✓	✓		HOLD
23	SB66-20-2	12/14/23	12:24	S	DB	✓	✓		
24	SB66-2 6-12	12/14/23	12:26	S	DP	✓	✓		
25	SB66-2 12-24	12/14/23	12:28	S	DB	✓	✓		
26	SB66-2 24-36	12/14/23	12:30	S	DB	✓	✓		HOLD
27	SB66-2 36-42	12/14/23	12:32	S	DB	✓	✓		HOLD
28	OS-55-26-2	12/14/23	12:38	S	DR	✓	✓		
29	OS-55-26-2	12/14/23	12:40	S	DB	✓	✓		
30	OS-55-26-2	12/14/23	12:42	S	DB	✓	✓		HOLD

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type												
Preservative	A	A										

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	12/15/23 16:00	[illegible]	12/15 16:00
[illegible]	12/15 1700	[illegible]	12/16 0115

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

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2374456
Client:	WSP 40 La Riviere Drive Suite 320 Buffalo, NY 14202
ATTN:	Drew Bullinger
Phone:	(716) 204-5880
Project Name:	LOUCKS ROAD EXTENSION
Project Number:	EE1705007.0032
Report Date:	01/08/24

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374456
Report Date: 01/08/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2374456-01	OS-SS-25-Z12-24	SOIL	DEWITT	12/14/23 12:44	12/15/23
L2374456-02	OS-SS-25-Z24-36	SOIL	DEWITT	12/14/23 12:46	12/15/23
L2374456-03	OS-SS-25-Z36-42	SOIL	DEWITT	12/14/23 12:48	12/15/23
L2374456-04	OS-SS-25-Z42-48	SOIL	DEWITT	12/14/23 12:50	12/15/23
L2374456-05	OS-SS-25-Z24-36-Q	SOIL	DEWITT	12/14/23 12:47	12/15/23
L2374456-06	SB12-Z48-54	SOIL	DEWITT	12/14/23 12:52	12/15/23
L2374456-07	SB12-Z54-60	SOIL	DEWITT	12/14/23 12:54	12/15/23
L2374456-08	SB12-Z60-66	SOIL	DEWITT	12/14/23 12:56	12/15/23
L2374456-09	SB12-Z66-72	SOIL	DEWITT	12/14/23 12:58	12/15/23
L2374456-10	RINSTATE_1214023	WATER	DEWITT	12/14/23 13:14	12/15/23
L2374456-11	SB14-Z48-54	SOIL	DEWITT	12/14/23 13:00	12/15/23
L2374456-12	SB14-Z54-60	SOIL	DEWITT	12/14/23 13:02	12/15/23
L2374456-13	SB14-Z60-66	SOIL	DEWITT	12/14/23 13:04	12/15/23
L2374456-14	OS-SS-04-Z12-24	SOIL	DEWITT	12/14/23 13:06	12/15/23
L2374456-15	OS-SS-04-Z12-24-Q	SOIL	DEWITT	12/14/23 13:07	12/15/23
L2374456-16	OS-SS-04-Z24-36	SOIL	DEWITT	12/14/23 13:08	12/15/23

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374456
Project Number:	EE1705007.0032	**Report Date:**	01/08/24

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374456
Project Number:	EE1705007.0032	**Report Date:**	01/08/24

Case Narrative (continued)

Report Submission

January 08, 2024: This final report includes the results of all requested analyses.

January 05, 2024: This preliminary report includes the results of the following analysis:

L2374456-03,-04, and -10: PCBs

December 22, 2023: This is a preliminary report.

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

PCBs

L2374456-01D, -02D, -05D, -14D, and -15D: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%/0%) and decachlorobiphenyl (0%/0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

L2374456-05D, -14D, and -15D: The sample contains peaks which match the retention times for Aroclor 1248, but do not match the area ratios typical for this aroclor. The result for Aroclor 1248 is reported as "weathered".

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

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 01/08/24

ORGANICS

PCBS

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374456
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-01 D
Client ID: OS-SS-25-Z12-24
Sample Location: DEWITT

Date Collected: 12/14/23 12:44
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 12:22
Analyst: EMR
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 11:31
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1140	101.	20	A
Aroclor 1221	ND		ug/kg	1140	114.	20	A
Aroclor 1232	ND		ug/kg	1140	241.	20	A
Aroclor 1242	ND		ug/kg	1140	153.	20	A
Aroclor 1248	3630		ug/kg	1140	170.	20	A
Aroclor 1254	ND		ug/kg	1140	124.	20	A
Aroclor 1260	ND		ug/kg	1140	210.	20	A
Aroclor 1262	ND		ug/kg	1140	144.	20	A
Aroclor 1268	ND		ug/kg	1140	118.	20	A
PCBs, Total	3630		ug/kg	1140	101.	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374456

Project Number: EE1705007.0032 **Report Date:** 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-02 D
Client ID: OS-SS-25-Z24-36
Sample Location: DEWITT

Date Collected: 12/14/23 12:46
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 12:12
Analyst: EMR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 11:31
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1050	93.5	20	A
Aroclor 1221	ND		ug/kg	1050	106.	20	A
Aroclor 1232	ND		ug/kg	1050	223.	20	A
Aroclor 1242	ND		ug/kg	1050	142.	20	A
Aroclor 1248	4880		ug/kg	1050	158.	20	A
Aroclor 1254	ND		ug/kg	1050	115.	20	A
Aroclor 1260	ND		ug/kg	1050	195.	20	A
Aroclor 1262	ND		ug/kg	1050	134.	20	A
Aroclor 1268	ND		ug/kg	1050	109.	20	A
PCBs, Total	4880		ug/kg	1050	93.5	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374456
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-03
Client ID: OS-SS-25-Z36-42
Sample Location: DEWITT

Date Collected: 12/14/23 12:48
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/30/23 11:35
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 12/29/23 23:23
Cleanup Method: EPA 3665A
Cleanup Date: 12/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.0	4.61	1	A
Aroclor 1221	ND		ug/kg	52.0	5.21	1	A
Aroclor 1232	ND		ug/kg	52.0	11.0	1	A
Aroclor 1242	ND		ug/kg	52.0	7.00	1	A
Aroclor 1248	168		ug/kg	52.0	7.79	1	A
Aroclor 1254	ND		ug/kg	52.0	5.68	1	A
Aroclor 1260	ND		ug/kg	52.0	9.60	1	A
Aroclor 1262	ND		ug/kg	52.0	6.60	1	A
Aroclor 1268	ND		ug/kg	52.0	5.38	1	A
PCBs, Total	168		ug/kg	52.0	4.61	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374456
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-04
Client ID: OS-SS-25-Z42-48
Sample Location: DEWITT

Date Collected: 12/14/23 12:50
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/30/23 11:41
Analyst: MEO
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 12/29/23 23:23
Cleanup Method: EPA 3665A
Cleanup Date: 12/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.1	4.63	1	A
Aroclor 1221	ND		ug/kg	52.1	5.22	1	A
Aroclor 1232	ND		ug/kg	52.1	11.0	1	A
Aroclor 1242	ND		ug/kg	52.1	7.03	1	A
Aroclor 1248	25.3	J	ug/kg	52.1	7.82	1	A
Aroclor 1254	ND		ug/kg	52.1	5.70	1	A
Aroclor 1260	ND		ug/kg	52.1	9.64	1	A
Aroclor 1262	ND		ug/kg	52.1	6.62	1	A
Aroclor 1268	ND		ug/kg	52.1	5.40	1	A
PCBs, Total	25.3	J	ug/kg	52.1	4.63	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374456

Project Number: EE1705007.0032 **Report Date:** 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-05 D
Client ID: OS-SS-25-Z24-36-Q
Sample Location: DEWITT

Date Collected: 12/14/23 12:47
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 12:02
Analyst: EMR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 11:31
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1050	93.6	20	A
Aroclor 1221	ND		ug/kg	1050	106.	20	A
Aroclor 1232	ND		ug/kg	1050	223.	20	A
Aroclor 1242	ND		ug/kg	1050	142.	20	A
Aroclor 1248	6770		ug/kg	1050	158.	20	A
Aroclor 1254	ND		ug/kg	1050	115.	20	A
Aroclor 1260	ND		ug/kg	1050	195.	20	A
Aroclor 1262	ND		ug/kg	1050	134.	20	A
Aroclor 1268	ND		ug/kg	1050	109.	20	A
PCBs, Total	6770		ug/kg	1050	93.6	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374456
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-06
Client ID: SB12-Z48-54
Sample Location: DEWITT

Date Collected: 12/14/23 12:52
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 08:41
Analyst: AKM
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 11:31
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.2	5.17	1	A
Aroclor 1221	ND		ug/kg	58.2	5.84	1	A
Aroclor 1232	ND		ug/kg	58.2	12.3	1	A
Aroclor 1242	ND		ug/kg	58.2	7.85	1	A
Aroclor 1248	38.4	J	ug/kg	58.2	8.74	1	B
Aroclor 1254	ND		ug/kg	58.2	6.37	1	A
Aroclor 1260	ND		ug/kg	58.2	10.8	1	A
Aroclor 1262	ND		ug/kg	58.2	7.40	1	A
Aroclor 1268	ND		ug/kg	58.2	6.03	1	A
PCBs, Total	38.4	J	ug/kg	58.2	5.17	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	42		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374456
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-07
Client ID: SB12-Z54-60
Sample Location: DEWITT

Date Collected: 12/14/23 12:54
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 08:49
Analyst: AKM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 11:31
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.4	4.92	1	A
Aroclor 1221	ND		ug/kg	55.4	5.55	1	A
Aroclor 1232	ND		ug/kg	55.4	11.7	1	A
Aroclor 1242	ND		ug/kg	55.4	7.46	1	A
Aroclor 1248	15.0	J	ug/kg	55.4	8.30	1	B
Aroclor 1254	ND		ug/kg	55.4	6.06	1	A
Aroclor 1260	ND		ug/kg	55.4	10.2	1	A
Aroclor 1262	ND		ug/kg	55.4	7.03	1	A
Aroclor 1268	ND		ug/kg	55.4	5.74	1	A
PCBs, Total	15.0	J	ug/kg	55.4	4.92	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	44		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	40		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374456
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-10
Client ID: RINSTATE_1214023
Sample Location: DEWITT

Date Collected: 12/14/23 13:14
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 12/30/23 14:46
Analyst: EMR

Extraction Method: EPA 3510C
Extraction Date: 12/29/23 13:09
Cleanup Method: EPA 3665A
Cleanup Date: 12/29/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374456
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-11
Client ID: SB14-Z48-54
Sample Location: DEWITT

Date Collected: 12/14/23 13:00
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 08:56
Analyst: AKM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 11:31
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	50.9	4.52	1	A
Aroclor 1221	ND		ug/kg	50.9	5.10	1	A
Aroclor 1232	ND		ug/kg	50.9	10.8	1	A
Aroclor 1242	ND		ug/kg	50.9	6.86	1	A
Aroclor 1248	27.0	J	ug/kg	50.9	7.63	1	A
Aroclor 1254	ND		ug/kg	50.9	5.57	1	A
Aroclor 1260	ND		ug/kg	50.9	9.40	1	A
Aroclor 1262	ND		ug/kg	50.9	6.46	1	A
Aroclor 1268	ND		ug/kg	50.9	5.27	1	A
PCBs, Total	27.0	J	ug/kg	50.9	4.52	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	38		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	37		30-150	B
Decachlorobiphenyl	34		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374456

Project Number: EE1705007.0032 **Report Date:** 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-12
Client ID: SB14-Z54-60
Sample Location: DEWITT

Date Collected: 12/14/23 13:02
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 09:04
Analyst: AKM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 11:31
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.7	4.68	1	A
Aroclor 1221	ND		ug/kg	52.7	5.28	1	A
Aroclor 1232	ND		ug/kg	52.7	11.2	1	A
Aroclor 1242	ND		ug/kg	52.7	7.11	1	A
Aroclor 1248	ND		ug/kg	52.7	7.91	1	A
Aroclor 1254	ND		ug/kg	52.7	5.77	1	A
Aroclor 1260	ND		ug/kg	52.7	9.74	1	A
Aroclor 1262	ND		ug/kg	52.7	6.70	1	A
Aroclor 1268	ND		ug/kg	52.7	5.46	1	A
PCBs, Total	ND		ug/kg	52.7	4.68	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	45		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374456
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-14 D
Client ID: OS-SS-04-Z12-24
Sample Location: DEWITT

Date Collected: 12/14/23 13:06
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 11:52
Analyst: EMR
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 11:31
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1120	99.9	20	A
Aroclor 1221	ND		ug/kg	1120	113.	20	A
Aroclor 1232	ND		ug/kg	1120	238.	20	A
Aroclor 1242	ND		ug/kg	1120	152.	20	A
Aroclor 1248	4340		ug/kg	1120	169.	20	A
Aroclor 1254	ND		ug/kg	1120	123.	20	A
Aroclor 1260	ND		ug/kg	1120	208.	20	A
Aroclor 1262	ND		ug/kg	1120	143.	20	A
Aroclor 1268	ND		ug/kg	1120	116.	20	A
PCBs, Total	4340		ug/kg	1120	99.9	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374456
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-15 D
Client ID: OS-SS-04-Z12-24-Q
Sample Location: DEWITT

Date Collected: 12/14/23 13:07
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 16:17
Analyst: MHG
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 12/22/23 09:17
Cleanup Method: EPA 3665A
Cleanup Date: 12/22/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/22/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1420	126.	25	A
Aroclor 1221	ND		ug/kg	1420	142.	25	A
Aroclor 1232	ND		ug/kg	1420	301.	25	A
Aroclor 1242	ND		ug/kg	1420	191.	25	A
Aroclor 1248	6150		ug/kg	1420	213.	25	B
Aroclor 1254	ND		ug/kg	1420	155.	25	A
Aroclor 1260	ND		ug/kg	1420	262.	25	A
Aroclor 1262	ND		ug/kg	1420	180.	25	A
Aroclor 1268	ND		ug/kg	1420	147.	25	A
PCBs, Total	6150		ug/kg	1420	126.	25	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: LOUCKS ROAD EXTENSION
Lab Number: L2374456
Project Number: EE1705007.0032
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-16
Client ID: OS-SS-04-Z24-36
Sample Location: DEWITT

Date Collected: 12/14/23 13:08
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 12/22/23 09:12
Analyst: AKM
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 12/20/23 11:31
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.6	5.03	1	A
Aroclor 1221	ND		ug/kg	56.6	5.67	1	A
Aroclor 1232	ND		ug/kg	56.6	12.0	1	A
Aroclor 1242	ND		ug/kg	56.6	7.63	1	A
Aroclor 1248	146		ug/kg	56.6	8.49	1	A
Aroclor 1254	ND		ug/kg	56.6	6.19	1	A
Aroclor 1260	ND		ug/kg	56.6	10.5	1	A
Aroclor 1262	ND		ug/kg	56.6	7.19	1	A
Aroclor 1268	ND		ug/kg	56.6	5.87	1	A
PCBs, Total	146		ug/kg	56.6	5.03	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	40		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	39		30-150	B
Decachlorobiphenyl	35		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374456

Project Number: EE1705007.0032 **Report Date:** 01/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/22/23 08:12
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 12/20/23 11:31
Cleanup Method: EPA 3665A
Cleanup Date: 12/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02,05-07,11-12,14,16 Batch: WG1866357-1						
Aroclor 1016	ND		ug/kg	48.8	4.33	A
Aroclor 1221	ND		ug/kg	48.8	4.89	A
Aroclor 1232	ND		ug/kg	48.8	10.3	A
Aroclor 1242	ND		ug/kg	48.8	6.58	A
Aroclor 1248	ND		ug/kg	48.8	7.32	A
Aroclor 1254	ND		ug/kg	48.8	5.34	A
Aroclor 1260	ND		ug/kg	48.8	9.01	A
Aroclor 1262	ND		ug/kg	48.8	6.20	A
Aroclor 1268	ND		ug/kg	48.8	5.05	A
PCBs, Total	ND		ug/kg	48.8	4.33	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374456
Report Date: 01/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/22/23 12:46
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 12/22/23 09:17
Cleanup Method: EPA 3665A
Cleanup Date: 12/22/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/22/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 15 Batch: WG1867322-1						
Aroclor 1016	ND		ug/kg	48.3	4.29	A
Aroclor 1221	ND		ug/kg	48.3	4.84	A
Aroclor 1232	ND		ug/kg	48.3	10.2	A
Aroclor 1242	ND		ug/kg	48.3	6.51	A
Aroclor 1248	ND		ug/kg	48.3	7.25	A
Aroclor 1254	ND		ug/kg	48.3	5.28	A
Aroclor 1260	ND		ug/kg	48.3	8.93	A
Aroclor 1262	ND		ug/kg	48.3	6.14	A
Aroclor 1268	ND		ug/kg	48.3	5.00	A
PCBs, Total	ND		ug/kg	48.3	4.29	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: LOUCKS ROAD EXTENSION **Lab Number:** L2374456

Project Number: EE1705007.0032 **Report Date:** 01/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/30/23 14:09
Analyst: EMR

Extraction Method: EPA 3510C
Extraction Date: 12/29/23 13:09
Cleanup Method: EPA 3665A
Cleanup Date: 12/29/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 10 Batch: WG1869495-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	40		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	40		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374456
Report Date: 01/08/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 12/30/23 10:06
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 12/29/23 23:23
Cleanup Method: EPA 3665A
Cleanup Date: 12/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 12/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03-04 Batch: WG1869627-1						
Aroclor 1016	ND		ug/kg	48.9	4.34	A
Aroclor 1221	ND		ug/kg	48.9	4.90	A
Aroclor 1232	ND		ug/kg	48.9	10.4	A
Aroclor 1242	ND		ug/kg	48.9	6.59	A
Aroclor 1248	ND		ug/kg	48.9	7.34	A
Aroclor 1254	ND		ug/kg	48.9	5.35	A
Aroclor 1260	ND		ug/kg	48.9	9.04	A
Aroclor 1262	ND		ug/kg	48.9	6.21	A
Aroclor 1268	ND		ug/kg	48.9	5.07	A
PCBs, Total	ND		ug/kg	48.9	4.34	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	68		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2374456

Report Date: 01/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02,05-07,11-12,14,16 Batch: WG1866357-2 WG1866357-3									
Aroclor 1016	72		69		40-140	4		50	A
Aroclor 1260	65		64		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		69		30-150	A
Decachlorobiphenyl	63		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		67		30-150	B
Decachlorobiphenyl	61		61		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2374456

Report Date: 01/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 15 Batch: WG1867322-2 WG1867322-3									
Aroclor 1016	79		73		40-140	8		50	A
Aroclor 1260	77		70		40-140	10		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		70		30-150	A
Decachlorobiphenyl	71		65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		68		30-150	B
Decachlorobiphenyl	69		64		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2374456

Report Date: 01/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 10 Batch: WG1869495-2 WG1869495-3									
Aroclor 1016	56		50		40-140	10		50	A
Aroclor 1260	59		54		40-140	9		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		45		30-150	A
Decachlorobiphenyl	61		55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		46		30-150	B
Decachlorobiphenyl	64		59		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374456
Report Date: 01/08/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG1869627-2 WG1869627-3									
Aroclor 1016	84		86		40-140	2		50	A
Aroclor 1260	81		82		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		75		30-150	A
Decachlorobiphenyl	73		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		74		30-150	B
Decachlorobiphenyl	71		74		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374456
Report Date: 01/08/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02,05-07,11-12,14,16 QC Batch ID: WG1866357-4 WG1866357-5 QC Sample: L2374456-16 Client ID: OS-SS-04-Z24-36													
Aroclor 1016	ND	362	296	82		221	64		40-140	29		50	A
Aroclor 1260	ND	362	204	56		170	49		40-140	18		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		49		30-150	A
Decachlorobiphenyl	53		47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		47		30-150	B
Decachlorobiphenyl	49		48		30-150	B

INORGANICS
&
MISCELLANEOUS

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374456
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-01
Client ID: OS-SS-25-Z12-24
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 12:44
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.2		%	0.100	NA	1	-	12/19/23 21:47	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374456
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-02
Client ID: OS-SS-25-Z24-36
Sample Location: DEWITT

Date Collected: 12/14/23 12:46
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.3		%	0.100	NA	1	-	12/19/23 21:47	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374456
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-03
Client ID: OS-SS-25-Z36-42
Sample Location: DEWITT

Date Collected: 12/14/23 12:48
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.1		%	0.100	NA	1	-	12/29/23 23:02	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374456
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-04
Client ID: OS-SS-25-Z42-48
Sample Location: DEWITT

Date Collected: 12/14/23 12:50
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.8		%	0.100	NA	1	-	12/29/23 23:02	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374456
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-05
Client ID: OS-SS-25-Z24-36-Q
Sample Location: DEWITT

Date Collected: 12/14/23 12:47
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	12/19/23 21:47	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374456
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-06
Client ID: SB12-Z48-54
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 12:52
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.9		%	0.100	NA	1	-	12/19/23 21:47	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374456
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-07
Client ID: SB12-Z54-60
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 12:54
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.5		%	0.100	NA	1	-	12/19/23 21:47	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374456
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-11
Client ID: SB14-Z48-54
Sample Location: DEWITT

Date Collected: 12/14/23 13:00
Date Received: 12/15/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.4		%	0.100	NA	1	-	12/19/23 21:47	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374456
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-12
Client ID: SB14-Z54-60
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 13:02
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.5		%	0.100	NA	1	-	12/19/23 21:47	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374456
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-14
Client ID: OS-SS-04-Z12-24
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 13:06
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.0		%	0.100	NA	1	-	12/19/23 21:47	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374456
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-15
Client ID: OS-SS-04-Z12-24-Q
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 13:07
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.8		%	0.100	NA	1	-	12/19/23 21:47	121,2540G	WJM

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032
Lab Number: L2374456
Report Date: 01/08/24

SAMPLE RESULTS

Lab ID: L2374456-16
Client ID: OS-SS-04-Z24-36
Sample Location: DEWITT
Sample Depth:
Matrix: Soil

Date Collected: 12/14/23 13:08
Date Received: 12/15/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.4		%	0.100	NA	1	-	12/19/23 21:47	121,2540G	WJM

Lab Duplicate Analysis

Batch Quality Control

Project Name: LOUCKS ROAD EXTENSION

Project Number: EE1705007.0032

Lab Number: L2374456

Report Date: 01/08/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02,05-07,11-12,14-16 QC Batch ID: WG1866043-1 QC Sample: L2374456-16 Client ID: OS-SS-04-Z24-36						
Solids, Total	85.4	85.0	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG1869612-1 QC Sample: L2374445-04 Client ID: DUP Sample						
Solids, Total	84.5	84.1	%	0		20

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374456
Report Date: 01/08/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2374456-01A	Glass 60mL/2oz w/ septa unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374456-01B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374456-02A	Glass 60mL/2oz w/ septa unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374456-02B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374456-03A	Glass 60mL/2oz w/ septa unpreserved	B	NA		3.7	Y	Absent		TS(7)
L2374456-03B	Glass 60mL/2oz w/ septa unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374456-04A	Glass 60mL/2oz w/ septa unpreserved	B	NA		3.7	Y	Absent		TS(7)
L2374456-04B	Glass 60mL/2oz w/ septa unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374456-05A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374456-05B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374456-06A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374456-06B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374456-07A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374456-07B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374456-08A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-WETCHEM()
L2374456-08B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-8082(14)
L2374456-09A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-WETCHEM()
L2374456-09B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-8082(14)
L2374456-10A	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2374456-10B	Amber 120ml unpreserved	A	7	7	3.6	Y	Absent		NYTCL-8082-LVI(365)
L2374456-11A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374456-11B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)

*Values in parentheses indicate holding time in days

Project Name: LOUCKS ROAD EXTENSION
Project Number: EE1705007.0032

Lab Number: L2374456
Report Date: 01/08/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2374456-12A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374456-12B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374456-13A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-WETCHEM()
L2374456-13B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		HOLD-8082(14)
L2374456-14A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374456-14B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374456-15A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374456-15B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374456-16A	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374456-16A1	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374456-16A2	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		TS(7),NYTCL-8082(365)
L2374456-16B	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374456-16B1	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)
L2374456-16B2	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8082(365)

*Values in parentheses indicate holding time in days

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374456
Project Number:	EE1705007.0032	**Report Date:**	01/08/24

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374456
Project Number:	EE1705007.0032	**Report Date:**	01/08/24

Footnotes

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

Terms

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

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

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

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374456
Project Number:	EE1705007.0032	**Report Date:**	01/08/24

Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	LOUCKS ROAD EXTENSION	**Lab Number:**	L2374456
Project Number:	EE1705007.0032	**Report Date:**	01/08/24

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

ALPHA

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 13 of 14

Date Rec'd in Lab: 12/16/23

ALPHA Job #: L2374456

Client Information
Client: WSP USA
Address: 40 La Riviere Dr.
Buffalo NY 14202
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information
Project Name: Loucks ROAD Extension
Project Location: Dewitt
Project # EE1705907.0032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NY TCL-8082 (Pes)	TS	Sample Specific Comments
74456-01	OS-SS-25-Z 12-24	12/14/23	12:44	S	DB	/	/	
02	OS-SS-25-Z 24-36	12/14/23	12:46	S	DB	/	/	
03	OS-SS-25-Z 36-48	12/14/23	12:48	S	DB	/	/	HOLD
04	OS-SS-25-Z 42-48	12/14/23	12:50	S	DB	/	/	HOLD
05	OS-SS-25-Z 24-36-Q	12/14/23	12:47	S	DB	/	/	
06	SB12-Z 48-54	12/14/23	12:52	S	DB	/	/	
07	SB12-Z 54-60	12/14/23	12:54	S	DB	/	/	
08	SB12-Z 60-66	12/14/23	12:56	S	DB	/	/	HOLD
09	SB12-Z 66-72	12/14/23	12:58	S	DB	/	/	HOLD
10	RinSate-12142023	12/14/23	13:14	W	DB	/		

Container Type: A | A
Preservative: A | A

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; K/E = Zn Ac/NaOH; O = Other

Container Code: P = Plastic; A = Amber Glass; V = Vial; G = Glass; B = Bacteria Cup; C = Cube; O = Other; E = Encore; D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
DBB	12/15/23 16:00		
	12/15 1700		12/16/23 0115

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 14 of 14

Date Rec'd in Lab: 12/16/23

ALPHA Job #: L2374456

Client Information
Client: WSP USA
Address: 40 La Riviere Dr.
Buffalo NY 14202
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information
Project Name: Loucks Road Extension
Project Location: ~~EE170500700032~~ Dewitt
Project #: EE170500700032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables
[ ] ASP-A [ ] ASP-B
[X] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement
[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information
[ ] Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

ANALYSIS

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Total Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	NYTCL-8260+ (PCB)	TS	MS/MSD	Sample Specific Comments
74456-11	SB 14-2 48-54	12/14/23	13:00	S	DB	/	/		
12	SB 14-2 54-60	12/14/23	13:02	S	DB	/	/		
13	SB 14-2 60-66	12/14/23	13:04	S	DB	/	/		HOLD
14	OS-SS-04-2 12-24	12/14/23	13:06	S	DB	/	/		
15	OS-SS-04-2 12-24-Q	12/14/23	13:07	S	DB	/	/		
16	OS-SS-04-2 24-36	12/14/23	13:08	S	DB	/	/	/	MS/MSD

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type													
Preservative	A	A											

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	12/15/23 16:00	Ryan Murphy	12/15 1600
Ryan Murphy	12/15 1710	[illegible]	12/16 0115

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

Form No: 01-25 HC (rev. 30-Sept-2013)

Certification Information

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

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

Serial No:08082420:08

L2439494 19JUL24
WSP – BUFF

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 5

Date Rec'd in Lab 7/12/24

Client Information

Client: WSP USA
Address: 40 La Riviera Dr
Buffalo NY 14202
Phone: 720-737-7035
Fax:
Email: drew.bullinger@wsp.com

Project Information

Project Name: Locks Rd Extension Off-Site
Project Location: East Syracuse
Project #: US-WSP-EE170007.0032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time

Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables

[ ] ASP-A [ ] ASP-B
[X] EQuIS (1 File) [X] EQuIS (4 File)
[ ] Other

[ ] Same as Client info
PO #

Regulatory Requirement

[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP-51
[ ] NY Restricted Use [ ] Other
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

[ ] These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

PCB
TS

Sample Filtration
[ ] Done
[ ] Lab to do
Preservation
[ ] Lab to do
(Please Specify below)

Total # Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCB	TS	Sample Specific Comments
39494-01	US-SS-01-Z 6-12	7/11/24	11:30	Soil	DR	X	X	
02	US-SS-01-Z 12-24	7/11/24	11:45					
03	US-SS-01-Z 24-36		12:00					HOLD
04	US-SS-01-Z 24-36-D		12:07					HOLD
05	US-SS-01-Z 36-42		12:05					HOLD
06	US-SS-01-Z 42-48		12:07					HOLD
07	US-SS-01-Z 48-54		12:20					HOLD
08	US-SS-24-Z 6-12		12:33					
09	US-SS-24-Z 12-24		13:20					
10	US-SS-24-Z 24-36		14:30					MS/MSD

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	P						
Preservative	A	A						

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	7/12/24 1810	Bella PAC	7/12/24 1820
Bella Sgy S.C.	7/12/24 1820	Bella Sgy S.C.	7/12/24 1820
Bella Sgy S.C.	7/12/24 1820		7/12/24 1820
	7/12/24 2300		2300
0130		Tyler Fochtman	7/12/24 01:30

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 5

Date Rec'd in Lab: 7/12/24

ALPHA Job #:

Client Information
Client: WSP USA
Address: 40 La Riviera Dr Buffalo NY 14202
Phone: 720-757-7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information
Project Name: Loucks Rd Extension Off Site
Project Location: East Syracuse
Project #: US-WSP.EE 705007.0032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard: X — Due Date:
Rush (only if pre approved): — # of Days:

Deliverables
ASP-A: — ASP-B:
EQuIS (1 File): X — EQuIS (4 File): X
Other:

Regulatory Requirement
NY TOGS: — NY Part 375:
AWQ Standards: — NY CP-51:
NY Restricted Use: — Other:
NY Unrestricted Use:
NYC Sewer Discharge:

Billing Information
Same as Client Info:
PO #:

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
NJ: — NY:
Other:

These samples have been previously analyzed by Alpha:

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
Done
Lab to do
Preservation
Lab to do
(Please Specify below)

Total Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCB	TS	Sample Specific Comments
37494 - 11	OS-55-05-2 6-12	7/11/24	15:50	soil	DB	X	X	
12	OS-55-05-2 12-24		16:06					
13	OS-55-05-2 24-36		16:30					HOLD
14	OS-55-08-2 6-12		17:15					
15	OS-55-08-2 12-24		17:20					
16	OS-55-08-2 24-36		17:25					HOLD
17	OS-55-08-2 36-47		17:30					HOLD
18	OS-55-19-2 6-12		17:45					
19	OS-55-19-2 12-24		18:10					
20	OS-55-19-2 12-24-Q		18:15					

Container Type: A P
Preservative: A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code:
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	7/12/24 18:00	[illegible] Ales	7/12/24 1820
[illegible] Sam S.C.	7/12/24 1820	[illegible] Sam S.C.	7/12/24 1820
[illegible] Sam S.C.	7/12/24 1820	[illegible]	7/12/24 1820
[illegible]	7/12/24	[illegible]	930

930 Tyler Fosbutt 7/12/24 01:30

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 3 of 5

Date Rec'd in Lab: 7/12/24

ALPHA Job #

Client Information

Client: WSP USA
Address: 40 La Riviera dr
Buffalo NY 14202
Phone: 220-737-7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information

Project Name: Houcks Rd extension off-site
Project Location: East Syracuse
Project #: US-WSP-FE1705007.0032
(Use Project name as Project #)
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard: [X] Due Date:
Rush (only if pre approved): [ ] # of Days:

Deliverables

- [ ] ASP-A
- [ ] ASP-B
- [X] EQuIS (1 File)
- [ ] EQuIS (4 File)
- [ ] Other

Regulatory Requirement
- [ ] NY TOGS
- [ ] NY Part 375
- [ ] AWQ Standards
- [ ] NY CP-51
- [ ] NY Restricted Use
- [ ] Other
- [ ] NY Unrestricted Use
- [ ] NYC Sewer Discharge

Billing Information

- [ ] Same as Client Info

PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
- [ ] NJ
- [ ] NY
- [ ] Other:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
- [ ] Done
- [ ] Lab to do

Preservation
- [ ] Lab to do

(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 TCL +	Sample Specific Comments
39494-21	05-SS-19-224-36	7/11/24	18:20	Soil	DB	X	
22	05-SS-19-236-42		18:25			X	HOLD
23	05-SS-19-242-48		18:30			X	HOLD
24	05-SS-18-26-12		18:35			X	
25	05-SS-18-212-24		18:40			X	
26	05-SS-18-224-36		18:50			X	HOLD
27	FinSate_07112024		19:40	Water			
28	SB77-20-2	7/12/24	7:50	Soil		X	
29	SB77-26-12	7/12/24	8:00	Soil		X	
30	SB77-212-24	7/12/24	8:10	Soil		X	

Container Type: A P
Preservative: A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	7/12/24 18:00	PACE	7/12/24 1820
PACE Sys S.C.	7/12/24 1820	Sys S.C.	7/12/24 1820
PACE Sys S.C	7/12/24 1820		7/12/24 1830
	7/12/24		

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

Form No: 01-25 HC (rev. 30-Sept-2013)

0830 Tyler Foskett 7/12/24 01:30

ALPHA ANALYTICAL LABS

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 4 of 5

Date Rec'd in Lab: 7/12/24

ALPHA Job #:

Client Information
Client: WSP USA
Address: 40 La Riviera Dr
Buffalo NY 14202
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information
Project Name: Lucks Rd extension Off-Site
Project Location: East Syracuse
Project #: US-WSP-EE170500Z.0032
(Use Project name as Project #): ☐
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard: ☒ Due Date:
Rush (only if pre approved): ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total # Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCB	TS	Sample Specific Comments
39494 - 31	SB78-20-2	7/12/24	8:20	Soil	PB	X	X	
32	SB78-26-12		8:22					
33	SB78-212-24		8:25					
34	SB79-20-2		8:35					
35	SB76-20-2		9:00					
36	SB76-26-12		9:05					
37	SB76-212-24		9:10					
38	OS-SS-13-26-12		10:35					
39	OS-SS-13-212-15		11:00					HOLD
40	Rinsate_0712 2024		16:00	Water		X	X	

Container Type: A P
Preservative: A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	7/12/24 18:00	Pat	7/12/24 1820
Fed Ex S.C	7/12/24 1820	Fed Ex S.C	7/12/24 1820
Fed Ex S.C	7/12/24 1820		7/12/24 1820
	7/12/24 0130	Tyler Foshee	7/12/24 01:30

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

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 6 of 6

Date Rec'd in Lab: 7/12/24

ALPHA Job #

Client Information
Client: WSP USA
Address: 40 La Riviera Dr Buffalo NY 14202
Phone: 720-737-7033
Fax:
Email: Drew.Bullinger@WSP.com

Project Information
Project Name: Loucks Rd extension offsite
Project Location: East Syracuse
Project #: US-WSP-EE 1705007.0032
(Use Project name as Project #) ☐
Project Manager: Drew Bullinger
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☒ EQuIS (1 File) ☒ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottles

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCB	TS	Sample Specific Comments
39494 - 41	OS-SS-14-26-12	7/12/24	11:11	SOIL	DB	X	X	
42	OS-SS-14-2 12-24		11:15					HOLD
43	OS-SS-16-26-12		11:55					
44	OS-SS-16-2 12-24		12:16					
45	OS-SS-16-2 24-36		12:22					HOLD
46	OS-SS-16-2 12-24-D		12:20					
47	OS-SS-17-26-12		13:28					
48	OS-SS-17-2 12-24		13:32					MS/MSD
49	OS-SS-17-2 24-36		13:38					HOLD
50	OS-SS-11-212-24		14:45					MS/MSD

Container Type: A P
Preservative: A A

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; K/E = Zn Ac/NaOH; O = Other

Container Code: P = Plastic; A = Amber Glass; V = Vial; G = Glass; B = Bacteria Cup; C = Cube; O = Other; E = Encore; D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Drew Bullinger	7/12/24 18:00	Becca Pace	7/12/24 1820
Becca Sys S.C	7/12/24 1820	Becca Sys S.C	7/12/24 1820
Becca Sys S.C.	7/12/24 1820		7/12/24 1830
	7/12/24 2030	Tyler Doolittle	01:30

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

Form No: 01-25 HC (rev. 30-Sept-2013)

E Data Usability Summary Reports

Data Usability Summary Report	Project: Loucks Road
Date Completed: October 24, 2023	Completed by: Eridania Marte

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines:

- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOP
    - *SOP NO. HW-37A, Rev. 0, Polychlorinated Biphenyl (PCB) Aroclor Data Validation*

The data validation was performed under Category B guidelines. Specific criteria for QC limits were obtained from the master QAPP. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

Reference:

Project ID	Lab Work Order	Laboratory Report
EE1705007.0032	L2344350	Alpha Analytical

Table 1 Sample Listing Summary

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Field QC	ID Corrections
L2344350	SO	SB26-Z0-2	L2344350-01	7/31/2023 14:09	LR	
L2344350	SO	SB26-Z6-12	L2344350-02	7/31/2023 14:10		
L2344350	SO	SB29-Z0-2	L2344350-03	7/31/2023 13:54		
L2344350	SO	SB29-Z6-12	L2344350-04	7/31/2023 13:55		
L2344350	SO	SB38-Z0-2	L2344350-05	7/31/2023 13:44		
L2344350	SO	SB38-Z6-12	L2344350-06	7/31/2023 13:45		
L2344350	SO	SB40-Z0-2	L2344350-07	7/31/2023 13:20		
L2344350	SO	SB40-Z6-12	L2344350-08	7/31/2023 13:21		
L2344350	SO	SB42-Z0-2	L2344350-09	7/31/2023 14:49		
L2344350	SO	SB42-Z6-12	L2344350-10	7/31/2023 14:50		
L2344350	SO	SB42-Z6-12-Q	L2344350-11	7/31/2023 15:00		
L2344350	SO	SB43-Z0-2	L2344350-12	7/31/2023 16:44		
L2344350	SO	SB43-Z6-12	L2344350-13	7/31/2023 16:45		
L2344350	SO	SB44-Z0-2	L2344350-14	7/31/2023 15:04		
L2344350	SO	SB44-Z6-12	L2344350-15	7/31/2023 15:05		
L2344350	SO	SB45-Z0-2	L2344350-16	7/31/2023 16:34		
L2344350	SO	SB45-Z6-12	L2344350-17	7/31/2023 16:35		
L2344350	WH	RINSATE-07312023	L2344350-18	7/31/2023 17:11		
L2344350	SO	SB46-Z0-2	L2344350-19	7/31/2023 15:24		
L2344350	SO	SB46-Z6-12	L2344350-20	7/31/2023 15:25		
L2344350	SO	SB47-Z0-2	L2344350-21	7/31/2023 16:15	MS/MSD/ LR	
L2344350	SO	SB47-Z6-12	L2344350-22	7/31/2023 16:16		
L2344350	SO	SB48-Z0-2	L2344350-23	7/31/2023 15:54		
L2344350	SO	SB48-Z6-12	L2344350-24	7/31/2023 15:55		
L2344350	SO	SB41-Z0-2	L2344350-25	8/1/2023 9:04		
L2344350	SO	SB41-Z6-12	L2344350-26	8/1/2023 9:05		
L2344350	SO	SB39-Z0-2	L2344350-27	8/1/2023 9:14		
L2344350	SO	SB39-Z6-12	L2344350-28	8/1/2023 9:15		
L2344350	SO	SB37-Z0-2	L2344350-29	8/1/2023 9:44		
L2344350	SO	SB37-Z6-12	L2344350-30	8/1/2023 9:45		
L2344350	SO	SB35-Z0-2	L2344350-31	8/1/2023 10:04		
L2344350	SO	SB35-Z6-12	L2344350-32	8/1/2023 10:05		
L2344350	SO	SB35-Z0-2-Q	L2344350-33	8/1/2023 10:10		
L2344350	SO	SB34-Z0-2	L2344350-34	8/1/2023 10:24		
L2344350	SO	SB34-Z6-12	L2344350-35	8/1/2023 10:25		
L2344350	SO	SB33-Z0-2	L2344350-36	8/1/2023 10:39		

Data Usability Summary Report	Project: Loucks Road
Date Completed: October 24, 2023	Completed by: Eridania Marte

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Field QC	ID Corrections
L2344350	SO	SB33-Z6-12	L2344350-37	8/1/2023 10:40		
L2344350	SO	SB32-Z0-2	L2344350-38	8/1/2023 10:49		
L2344350	SO	SB32-Z6-12	L2344350-39	8/1/2023 10:50		
L2344350	SO	SB31-Z0-2	L2344350-40	8/1/2023 10:59		
L2344350	SO	SB31-Z6-12	L2344350-41	8/1/2023 11:00	LR	
L2344350	SO	SB30-Z0-2	L2344350-42	8/1/2023 11:09		
L2344350	SO	SB30-Z6-12	L2344350-43	8/1/2023 11:10		
L2344350	SO	SB28-Z0-2	L2344350-44	8/1/2023 11:34		
L2344350	SO	SB28-Z6-12	L2344350-45	8/1/2023 11:35		
L2344350	SO	SB27-Z0-2	L2344350-46	8/1/2023 13:29		
L2344350	SO	SB27-Z6-12	L2344350-47	8/1/2023 13:30		
L2344350	SO	SB25-Z0-2	L2344350-48	8/1/2023 13:34		
L2344350	SO	SB25-Z6-12	L2344350-49	8/1/2023 13:35		
L2344350	SO	SB18-Z0-2	L2344350-50	8/1/2023 13:59		
L2344350	SO	SB18-Z6-12	L2344350-51	8/1/2023 14:00		
L2344350	SO	SB18-Z0-2-Q	L2344350-52	8/1/2023 14:05		
L2344350	SO	SB19-Z0-2	L2344350-53	8/1/2023 14:14		
L2344350	SO	SB19-Z6-12	L2344350-54	8/1/2023 14:15		
L2344350	SO	SB20-Z0-2	L2344350-55	8/1/2023 14:24		
L2344350	SO	SB20-Z6-12	L2344350-56	8/1/2023 14:25		
L2344350	SO	SB21-Z0-2	L2344350-57	8/1/2023 14:39		
L2344350	SO	SB21-Z6-12	L2344350-58	8/1/2023 14:40		
L2344350	SO	SB22-Z0-2	L2344350-59	8/1/2023 14:49		
L2344350	SO	SB22-Z6-12	L2344350-60	8/1/2023 14:50		

Table 1A Sample Test Summary

Work Orders	Matrix	Test Method	Method Name	Number of Samples	Sample Type
L2344350	SO	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	56	N
L2344350	SO	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	3	FD
L2344350	WH	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	1	RB
L2344350	SO	A2540G	Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	59	N/FD

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	No. MS/MSD was requested on sample SB31-Z0-2; however, laboratory QC was performed on sample SB31-Z6-12. Case narrative states an MS/MSD was not analyzed because the dilution required by the elevated concentrations of non-target compounds present in the native sample would have caused the spike compounds to be diluted below the range of calibration. The collection time for SB47-Z6-12 and SB18-Z6-12 were inconsistent between sample container and COC. The COC collection time was used per WSP request.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes.
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs Equipment Blank - 1/ set of samples per day?	The frequency of field QC will be evaluated at the end of project. 3 FD per 56 samples. 2 MS/MSD per 56 samples. 1 rinsate blank collected.
Case narrative present and complete?	Yes.
Any holding time violations?	No.

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2)
- Surrogates Outside Limits (Table 3)
- MS/MSD and RPD Outside Limits (Table 4)
- LCS / ICV/CCV Recoveries Outside Limits (Table 5)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Go to List

PCB Aroclors by GC/ECD – Method 8082A	
Description	**Notes and Qualifiers**
Are any compounds present in method blanks as noted on Table 2?	No.
For samples, if results are <5 times the blank then "U" flag data.	Not applicable.
Are surrogates for method blanks and LCS within limits?	Yes.
Are surrogates for samples and MS/MSD within limits? (See Table 3). Matrix effects should be established.	No. The surrogate recoveries for multiple analytes were below the acceptance criteria at 0% for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl on both columns due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis were reported. No qualifications were made on associated sample results.
Is laboratory QC frequency one blank and LCS with each batch and one MS/MSD per 20 samples?	Yes. Case narrative states an MS/MSD was not analyzed because the dilution required by the elevated concentrations of non-target compounds present in the native sample would have caused the spike compounds to be diluted below the range of calibration.
Are MS/MSD within QC criteria (see Table 4 and 4A)? If out and LCS is compliant, then J flag positive data in original sample due to matrix.	Not applicable.
Is LCS within QC criteria (see Table 5 and 5A)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes.
Is initial calibration for target compounds <20 %RSD or curve fit? Is initial calibration verification <20%D?	Yes.
Is continuing calibration for target compounds <20%D? (See Table 5C)	No. Multiple CCVs were recovered outside of the acceptance criteria for multiple sample results. All associated sample results were non-detected and UJ qualified as estimated, non-detect.
Were any samples re-analyzed or diluted (see Table 6)? For any sample re-analysis and dilutions is only one reportable result by flagged?	Yes. Dilution was required by the elevated concentrations of target compounds present in the native samples.
Spot check retention time windows and second column confirmations as complete.	Yes.
Do field duplicate results show good precision for all compounds (see Table 7)?	Yes.

Quantitation Limits and Data Assessment: Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the PCB analyses. These results were qualified as estimated (J) by the laboratory.

Data Validation Qualifiers Definitions:

U - The analyte was analyzed for, but due to blank contamination was flagged as non-detect (U). The result is usable as a non-detect.

J – The analyte QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. The 'J' qualified data may be biased high (+) or low (-) or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. The analyte QC analysis fails outside the primary acceptance limits. The "UJ" qualified data are not excluded from further review or consideration. The 'UJ' qualified data may be biased low.

Summary of Findings
8082A • Multiple sample results were UJ qualified as estimated, non-detect due to poor CCVs recoveries. See Table 5C for applicable sample results.

Table 2 - List of Positive Results for Blank Samples
None.

Table 2A – List of Samples Qualified for Method Blank Contamination
None.

Table 2B - List of Samples Qualified for Field Blank Contamination
None.

Table 3 - List of Samples with Surrogates outside Control Limits

Method	Sample ID	Sample Type	Analyte	Rec %	Low Limit	High Limit	Dil Fac	Qualifier
8082A	SB26-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB26-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB29-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	5	None – Diluted Out
8082A	SB29-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB38-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB38-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB40-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB40-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB43-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	500	None – Diluted Out
8082A	SB43-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	500	None – Diluted Out
8082A	SB45-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB41-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out

Method	Sample ID	Sample Type	Analyte	Rec %	Low Limit	High Limit	Dil Fac	Qualifier
8082A	SB41-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB39-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB39-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB37-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB37-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB35-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB35-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB35-Z0-2-Q	FD	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB34-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB34-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB33-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB32-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB31-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB31-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB30-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB28-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB27-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE	0	30	150	100	None – Diluted Out

Method	Sample ID	Sample Type	Analyte	Rec %	Low Limit	High Limit	Dil Fac	Qualifier
			DECACHLOROBIPHENYL					
8082A	SB27-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB25-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB25-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB18-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB18-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB18-Z0-2-Q	FD	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out

Table 4A – List of MS/MSD Recoveries outside Control Limits
None.

Table 4B – List of MS/MSD RPD outside Control Limits
None.

Table 5A – List of LCS Recoveries outside Control Limits
None.

Table 5B – List of LCS RPD outside Control Limits
None.

Table 5C – List of ICV/CCV Recoveries outside Control Limits

Method	Sample Name	Sample Type	Analyte	Peak	Column	Rec.	%D Limit	Associated Samples	Sample Qualifier
8082A	WG1814373-2	CCV	Aroclor-1260	3	1	20.3	20	SB26-Z0-2 SB26-Z6-12 SB29-Z0-2 SB29-Z6-12 SB38-Z0-2 SB38-Z6-12	UJ Flag

Method	Sample Name	Sample Type	Analyte	Peak	Column	Rec.	%D Limit	Associated Samples	Sample Qualifier
								SB40-Z0-2 SB40-Z6-12 SB42-Z0-2 SB42-Z6-12 SB42-Z6-12-Q SB44-Z0-2 SB44-Z6-12 SB46-Z0-2 SB46-Z6-12 SB47-Z0-2 SB47-Z6-12 SB48-Z0-2 SB48-Z6-12	
8082A	WG1814683-3	CCV	Aroclor-1016	1	1	21.7	20	SB43-Z0-2 SB43-Z6-12 SB28-Z0-2 SB27-Z0-2 SB27-Z6-12 SB25-Z0-2 SB25-Z6-12 SB18-Z0-2 SB18-Z6-12 SB18-Z0-2-Q SB28-Z6-12 RINSATE-07312023	UJ Flag
8082A	WG1815464-2	CCV	Aroclor-1260	3	1	20.3	20	SB30-Z0-2	UJ Flag
8082A	WG1815464-2	CCV	Aroclor-1260	4	1	20.3	20		UJ Flag
8082A	WG1815464-2	CCV	Aroclor-1260	5	1	21.7	20		UJ Flag

Table 6 –Samples that were Re-analyzed/Diluted

Sample ID	Lab ID	Method	Sample Type	Action
SB26-Z0-2	L2344350-01	SW8082A	N	20X: Dilution required due to elevated concentrations
SB26-Z6-12	L2344350-02	SW8082A	N	100X: Dilution required due to elevated concentrations
SB29-Z0-2	L2344350-03	SW8082A	N	5X: Dilution required due to elevated concentrations
SB29-Z6-12	L2344350-04	SW8082A	N	100X: Dilution required due to elevated concentrations
SB38-Z0-2	L2344350-05	SW8082A	N	20X: Dilution required due to elevated concentrations

Table 6 –Samples that were Re-analyzed/Diluted

Sample ID	Lab ID	Method	Sample Type	Action
SB38-Z6-12	L2344350-06	SW8082A	N	100X: Dilution required due to elevated concentrations
SB40-Z0-2	L2344350-07	SW8082A	N	20X: Dilution required due to elevated concentrations
SB40-Z6-12	L2344350-08	SW8082A	N	100X: Dilution required due to elevated concentrations
SB43-Z0-2	L2344350-12	SW8082A	N	500X: Dilution required due to elevated concentrations
SB43-Z6-12	L2344350-13	SW8082A	N	500X: Dilution required due to elevated concentrations
SB45-Z0-2	L2344350-16	SW8082A	N	20X: Dilution required due to elevated concentrations
SB45-Z6-12	L2344350-17	SW8082A	N	5X: Dilution required due to elevated concentrations
SB41-Z0-2	L2344350-25	SW8082A	N	100X: Dilution required due to elevated concentrations
SB41-Z6-12	L2344350-26	SW8082A	N	20X: Dilution required due to elevated concentrations
SB39-Z0-2	L2344350-27	SW8082A	N	100X: Dilution required due to elevated concentrations
SB39-Z6-12	L2344350-28	SW8082A	N	20X: Dilution required due to elevated concentrations
SB37-Z0-2	L2344350-29	SW8082A	N	100X: Dilution required due to elevated concentrations
SB37-Z6-12	L2344350-30	SW8082A	N	100X: Dilution required due to elevated concentrations
SB35-Z0-2	L2344350-31	SW8082A	N	100X: Dilution required due to elevated concentrations
SB35-Z6-12	L2344350-32	SW8082A	N	20X: Dilution required due to elevated concentrations
SB35-Z0-2-Q	L2344350-33	SW8082A	FD	100X: Dilution required due to elevated concentrations
SB34-Z0-2	L2344350-34	SW8082A	N	100X: Dilution required due to elevated concentrations
SB34-Z6-12	L2344350-35	SW8082A	N	100X: Dilution required due to elevated concentrations
SB33-Z0-2	L2344350-36	SW8082A	N	20X: Dilution required due to elevated concentrations
SB32-Z0-2	L2344350-38	SW8082A	N	100X: Dilution required due to elevated concentrations
SB32-Z6-12	L2344350-39	SW8082A	N	5X: Dilution required due to elevated concentrations
SB31-Z0-2	L2344350-40	SW8082A	N	100X: Dilution required due to elevated concentrations
SB31-Z6-12	L2344350-41	SW8082A	N	100X: Dilution required due to elevated concentrations
SB30-Z0-2	L2344350-42	SW8082A	N	20X: Dilution required due to elevated concentrations
SB28-Z0-2	L2344350-44	SW8082A	N	100X: Dilution required due to elevated concentrations
SB28-Z6-12	L2344350-45	SW8082A	N	5X: Dilution required due to elevated concentrations
SB27-Z0-2	L2344350-46	SW8082A	N	100X: Dilution required due to elevated concentrations
SB27-Z6-12	L2344350-47	SW8082A	N	100X: Dilution required due to elevated concentrations
SB25-Z0-2	L2344350-48	SW8082A	N	100X: Dilution required due to elevated concentrations
SB25-Z6-12	L2344350-49	SW8082A	N	20X: Dilution required due to elevated concentrations
SB18-Z0-2	L2344350-50	SW8082A	N	100X: Dilution required due to elevated concentrations
SB18-Z6-12	L2344350-51	SW8082A	N	100X: Dilution required due to elevated concentrations
SB18-Z0-2-Q	L2344350-52	SW8082A	FD	100X: Dilution required due to elevated concentrations

Table 7 – Summary of Field Duplicate Results

Method	Analyte	Unit	Matrix	PQL	SB18-Z0-2	SB18-Z0-2-Q	RPD	RPD Rating	Sample Qual
SW8082A	AROCLOR 1248	ug/kg	SO	5800	25400	20400	21.8%	Good	None
SW8082A	PCBS, TOTAL	ug/kg	SO	5800	25400	20400	21.8%	Good	None
A2540G	SOLIDS, TOTAL	percent	SO	0.1	84.3	84	0.4%	Good	None

Method	Analyte	Unit	Matrix	PQL	SB35-Z0-2	SB35-Z0-2-Q	RPD	RPD Rating	Sample Qual
SW8082A	AROCLOR 1248	ug/kg	SO	5800	47600	51700	8.3%	Good	None
SW8082A	PCBS, TOTAL	ug/kg	SO	5800	47600	51700	8.3%	Good	None
A2540G	SOLIDS, TOTAL	percent	SO	0.1	81.3	82	0.9%	Good	None

Method	Analyte	Unit	Matrix	PQL	SB42-Z6-12	SB42-Z6-12-Q	RPD	RPD Rating	Sample Qual
SW8082A	AROCLOR 1248	ug/kg	SO	55.5	417	315	27.9%	Good	None
SW8082A	PCBS, TOTAL	ug/kg	SO	55.5	417	315	27.9%	Good	None
A2540G	SOLIDS, TOTAL	percent	SO	0.1	83.9	84.4	0.6%	Good	None

Acronym List and Table Key:

CCV	=	continuing calibration verification
COC	=	chain of custody
DUSR	=	data usability summary report
FD	=	field duplicate
GC	=	gas chromatography
ICV	=	initial calibration verification
LCS	=	laboratory control sample
MB	=	method blank
MDL	=	method detection limit
µg/kg	=	micrograms per kilogram
MS	=	matrix spike
MSD	=	matrix spike duplicate
N	=	normal (field) sample
NC	=	not calculated
ND	=	not detected
NYSDEC	=	New York State Department of Environmental Conservation
PQL	=	practical quantitation limit
QA	=	quality assurance
QAPP	=	quality assurance project plan
QC	=	quality control
RPD	=	relative percent difference
SDG	=	sample delivery group
SO	=	soil
SQ	=	soil quality control
TRG	=	target compound
%D	=	percent difference
%RSD	=	percent relative standard deviation
WH	=	rinse blank water
WG	=	water grab
WQ	=	water quality control

Data Usability Summary Report	Project: Loucks Road
Date Completed: October 26, 2023	Completed by: Eridania Marte

7The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOP
    - *SOP NO. HW-37A, Rev. 0, Polychlorinated Biphenyl (PCB) Aroclor Data Validation*

The data validation was performed under Category B guidelines. Specific criteria for QC limits were obtained from the master QAPP. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

Reference:

Project ID	Lab Work Order	Laboratory Report
EE1705007.0032	L2344780	Alpha Analytical

Table 1 Sample Listing Summary

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Field QC	ID Corrections
L2344780	SO	SB23-Z 0-2	L2344780-01	8/1/2023 15:04		SB23-Z0-2
L2344780	SO	SB23-Z 6-12	L2344780-02	8/1/2023 15:05	MS/MSD LR	SB23-Z6-12
L2344780	SO	SB24-Z 0-2	L2344780-03	8/1/2023 15:29		SB24-Z0-2
L2344780	SO	SB24-Z 6-12	L2344780-04	8/1/2023 15:30		SB24-Z6-12
L2344780	WH	RINSTATE BLANK-08012023	L2344780-05	8/1/2023 16:45		
L2344780	SO	SB17-Z 0-2	L2344780-06	8/2/2023 9:09		SB17-Z0-2
L2344780	SO	SB17-Z 6-12	L2344780-07	8/2/2023 9:10		SB17-Z6-12
L2344780	SO	SB16-Z 0-2	L2344780-11	8/2/2023 9:59		SB16-Z0-2
L2344780	SO	SB16-Z 6-12	L2344780-12	8/2/2023 10:00		SB16-Z6-12
L2344780	SO	SB14-Z 0-2	L2344780-13	8/2/2023 10:15		SB14-Z0-2
L2344780	SO	SB14-Z 6-12	L2344780-14	8/2/2023 10:16		SB14-Z6-12
L2344780	SO	SB12-Z 0-2	L2344780-15	8/2/2023 10:29		SB12-Z0-2
L2344780	SO	SB12-Z 6-12	L2344780-16	8/2/2023 10:30		SB12-Z6-12
L2344780	SO	SB13-Z 0-2	L2344780-17	8/2/2023 10:44		SB13-Z0-2
L2344780	SO	SB13-Z 6-12	L2344780-18	8/2/2023 10:45		SB13-Z6-12
L2344780	SO	SB11-Z 0-2	L2344780-19	8/2/2023 10:54		SB11-Z0-2
L2344780	SO	SB11-Z 6-12	L2344780-20	8/2/2023 10:55		SB11-Z6-12
L2344780	SO	SB10-Z 0-2	L2344780-21	8/2/2023 11:19		SB10-Z0-2
L2344780	SO	SB10-Z 6-12	L2344780-22	8/2/2023 11:20		SB10-Z6-12
L2344780	SO	SB09-Z 0-2	L2344780-23	8/2/2023 11:28		SB09-Z0-2
L2344780	SO	SB09-Z 6-12	L2344780-24	8/2/2023 11:28		SB09-Z6-12
L2344780	SO	SB08-Z 0-2	L2344780-25	8/2/2023 11:44		SB08-Z0-2
L2344780	SO	SB08-Z 6-12	L2344780-26	8/2/2023 11:45		SB08-Z6-12
L2344780	SO	SB05-Z 0-2	L2344780-27	8/2/2023 11:54		SB05-Z0-2
L2344780	SO	SB05-Z 6-12	L2344780-28	8/2/2023 11:55		SB05-Z6-12
L2344780	SO	SB05-Z 0-2-Q	L2344780-29	8/2/2023 12:00		SB05-Z0-2-Q
L2344780	SO	SB07-Z 0-2	L2344780-30	8/2/2023 12:24		SB07-Z0-2
L2344780	SO	SB07-Z 6-12	L2344780-31	8/2/2023 12:25		SB07-Z6-12
L2344780	SO	SB06-Z 0-2	L2344780-32	8/2/2023 13:34		SB06-Z0-2
L2344780	SO	SB06-Z 6-12	L2344780-33	8/2/2023 13:35		SB06-Z6-12
L2344780	SO	SB04-Z 0-2	L2344780-34	8/2/2023 13:44		SB04-Z0-2
L2344780	SO	SB04-Z 6-12	L2344780-35	8/2/2023 13:45		SB04-Z6-12
L2344780	SO	SB03-Z 0-2	L2344780-36	8/2/2023 13:58	MS/MSD LR	SB03-Z0-2

Data Usability Summary Report	Project: Loucks Road
Date Completed: October 26, 2023	Completed by: Eridania Marte

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Field QC	ID Corrections
L2344780	SO	SB03-Z 6-12	L2344780-37	8/2/2023 13:59		SB03-Z6-12
L2344780	SO	SB01-Z 0-2	L2344780-38	8/2/2023 14:09		SB01-Z0-2
L2344780	SO	SB01-Z 6-12	L2344780-39	8/2/2023 14:10		SB01-Z6-12
L2344780	SO	SB02-Z 0-2	L2344780-40	8/2/2023 14:19		SB02-Z0-2
L2344780	SO	SB02-Z 6-12	L2344780-41	8/2/2023 14:20		SB02-Z6-12
L2344780	SO	SB36-Z 0-2	L2344780-42	8/2/2023 15:19		SB36-Z0-2
L2344780	SO	SB36-Z 6-12	L2344780-43	8/2/2023 15:20		SB36-Z6-12
L2344780	SO	SB65-Z 0-2	L2344780-44	8/2/2023 15:54		SB65-Z0-2
L2344780	SO	SB65-Z 6-12	L2344780-45	8/2/2023 15:55		SB65-Z6-12
L2344780	SO	SB64-Z 0-2	L2344780-46	8/2/2023 16:09		SB64-Z0-2
L2344780	SO	SB64-Z 6-12	L2344780-47	8/2/2023 16:10		SB64-Z6-12
L2344780	WH	RINSTATE BLANK-08022023	L2344780-48	8/2/2023 16:40		
L2344780	SO	SB63-Z 0-2	L2344780-49	8/3/2023 8:57		SB63-Z0-2
L2344780	SO	SB63-Z 6-12	L2344780-50	8/3/2023 8:58		SB63-Z6-12
L2344780	SO	SB63-Z 0-2-Q	L2344780-51	8/3/2023 8:59		SB63-Z0-2-Q
L2344780	SO	SB62-Z 0-2	L2344780-52	8/3/2023 9:14		SB62-Z0-2
L2344780	SO	SB62-Z 6-12	L2344780-53	8/3/2023 9:15		SB62-Z6-12
L2344780	SO	SB61-Z 0-2	L2344780-54	8/3/2023 9:29		SB61-Z0-2
L2344780	SO	SB61-Z 6-12	L2344780-55	8/3/2023 9:30		SB61-Z6-12
L2344780	SO	SB60-Z 0-2	L2344780-56	8/3/2023 9:49		SB60-Z0-2
L2344780	SO	SB60-Z 6-12	L2344780-57	8/3/2023 9:50		SB60-Z6-12
L2344780	WH	RINSTATE BLANK-08032023	L2344780-58	8/3/2023 10:10		

Table 1A Sample Test Summary

Work Orders	Matrix	Test Method	Method Name	Number of Samples	Sample Type
L2344780	SO	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	50	N
L2344780	SO	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	2	FD
L2344780	WH	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	3	RB
L2344780	SO	A2540G	Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	52	N/FD

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	No. MS/MSD was requested on sample SB11-Z0-2 and SB60-Z0-2; however, laboratory QC was not performed. Case narrative states an MS/MSD was not analyzed because the dilution required by the elevated concentrations of non-target compounds present in the native sample would have caused the spike compounds to be diluted below the range of calibration. The collection time for sample SB09-Z0-2 was inconsistent between sample container and COC. The collection time was noted as 11:28 per WSP request.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes.
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs Equipment Blank - 1/ set of samples per day?	The frequency of field QC will be evaluated at the end of project. 2 FD per 50 samples. 4 MS/MSD per 50 samples. 3 rinsate blank collected.
Case narrative present and complete?	Yes.
Any holding time violations?	No.

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2)
- Surrogates Outside Limits (Table 3)
- MS/MSD and RPD Outside Limits (Table 4)
- LCS / ICV/CCV Recoveries Outside Limits (Table 5)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Go to List

PCB Aroclors by GC/ECD – Method 8082A	
Description	**Notes and Qualifiers**
Are any compounds present in method blanks as noted on Table 2?	No.
For samples, if results are <5 times the blank then "U" flag data.	Not applicable.
Are surrogates for method blanks and LCS within limits?	Yes.
Are surrogates for samples and MS/MSD within limits? (See Table 3). Matrix effects should be established.	No. The surrogate recoveries for multiple analytes were below the acceptance criteria at 0% for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl on both columns due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis were reported. No qualifications were made on associated sample results.
Is laboratory QC frequency one blank and LCS with each batch and one MS/MSD per 20 samples?	Yes. Case narrative states an MS/MSD was not analyzed because the dilution required by the elevated concentrations of non-target compounds present in the native sample would have caused the spike compounds to be diluted below the range of calibration.
Are MS/MSD within QC criteria (see Table 4 and 4A)? If out and LCS is compliant, then J flag positive data in original sample due to matrix.	Not applicable.
Is LCS within QC criteria (see Table 5 and 5A)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes.
Is initial calibration for target compounds <20 %RSD or curve fit? Is initial calibration verification <20%D?	Yes.
Is continuing calibration for target compounds <20%D? (See Table 5C)	No. Multiple CCVs were recovered outside of the acceptance criteria for multiple sample results. All associated sample results were non-detected and UJ qualified as estimated, non-detect.
Were any samples re-analyzed or diluted (see Table 6)? For any sample re-analysis and dilutions is only one reportable result by flagged?	Yes. Dilution was required by the elevated concentrations of target compounds present in the native samples.
Spot check retention time windows and second column confirmations as complete.	Yes.
Do field duplicate results show good precision for all compounds (see Table 7)?	Yes.

Quantitation Limits and Data Assessment: Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the PCB analyses. These results were qualified as estimated (J) by the laboratory.

Data Validation Qualifiers Definitions:

U - The analyte was analyzed for, but due to blank contamination was flagged as non-detect (U). The result is usable as a non-detect.

J – The analyte QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. The 'J' qualified data may be biased high (+) or low (-) or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. The analyte QC analysis fails outside the primary acceptance limits. The "UJ" qualified data are not excluded from further review or consideration. The 'UJ' qualified data may be biased low.

Summary of Findings
8082A • Multiple sample results were UJ qualified as estimated, non-detect due to poor CCVs recoveries. See Table 5C for applicable sample results.

Table 2 - List of Positive Results for Blank Samples
None.

Table 2A - List of Samples Qualified for Method Blank Contamination
None.

Table 2B - List of Samples Qualified for Field Blank Contamination
None.

Table 3 - List of Samples with Surrogates outside Control Limits

Method	Sample ID	Sample Type	Analyte	Rec %	Low Limit	High Limit	Dil Fac	Qualifier
8082A	SB24-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB24-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB17-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB16-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB16-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB14-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB14-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB12-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB13-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB13-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB11-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	500	None – Diluted Out
8082A	SB11-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	500	None – Diluted Out

Method	Sample ID	Sample Type	Analyte	Rec %	Low Limit	High Limit	Dil Fac	Qualifier
8082A	SB10-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	500	None – Diluted Out
8082A	SB10-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB09-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	500	None – Diluted Out
8082A	SB09-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	500	None – Diluted Out
8082A	SB08-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	500	None – Diluted Out
8082A	SB08-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB05-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB05-Z0-2-Q	FD	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB06-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB36-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB36-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB65-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB65-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB64-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB63-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB63-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB63-Z0-2-Q	FD	2,4,5,6-TETRACHLORO-M-XYLENE	0	30	150	100	None – Diluted Out

Method	Sample ID	Sample Type	Analyte	Rec %	Low Limit	High Limit	Dil Fac	Qualifier
			DECACHLOROBIPHENYL					
8082A	SB62-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB62-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB61-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB60-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB60-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out

Table 4A – List of MS/MSD Recoveries outside Control Limits
None.

Table 4B – List of MS/MSD RPD outside Control Limits
None.

Table 5A – List of LCS Recoveries outside Control Limits
None.

Table 5B – List of LCS RPD outside Control Limits
None.

Table 5C – List of ICV/CCV Recoveries outside Control Limits

Method	Sample Name	Sample Type	Analyte	Peak	Column	Rec.	%D Limit	Associated Samples	Sample Qualifier
8082A	WG1815464-1	CCV	Aroclor-1260	3	1	20.3	20	SB02-Z 6-12	UJ Flag
8082A	WG1815464-1	CCV	Aroclor-1260	4	1	21.8	20		UJ Flag
8082A	WG1815464-1	CCV	Aroclor-1260	5	1	27.5	20		UJ Flag
8082A	WG1815464-2	CCV	Aroclor-1260	3	1	20.3	20	SB24-Z 0-2 SB24-Z 6-12 SB17-Z 0-2 SB17-Z 6-12 SB16-Z 0-2 SB16-Z 6-12	UJ Flag
8082A	WG1815464-2	CCV	Aroclor-1260	4	1	20.3	20		UJ Flag
8082A	WG1815464-2	CCV	Aroclor-1260	5	1	21.7	20		UJ Flag

Method	Sample Name	Sample Type	Analyte	Peak	Column	Rec.	%D Limit	Associated Samples	Sample Qualifier
								SB14-Z 0-2 SB14-Z 6-12 SB12-Z 0-2 SB12-Z 6-12 SB10-Z 6-12 SB02-Z 6-12	
8082A	WG1815464-4	CCV	Aroclor-1260	3	1	20.3	20	SB13-Z 0-2 SB11-Z 6-12 SB09-Z 6-12 SB06-Z 6-12	UJ Flag
8082A	WG1815464-4	CCV	Aroclor-1260	4	1	20.3	20		UJ Flag
8082A	WG1815464-4	CCV	Aroclor-1260	5	1	21.7	20		UJ Flag

Table 6 –Samples that were Re-analyzed/Diluted

Sample ID	Lab ID	Method	Sample Type	Action
SB24-Z0-2	L2344780-03	8082A	N	100X: Diluted due to high target compound concentration.
SB24-Z6-12	L2344780-04	8082A	N	100X: Diluted due to high target compound concentration.
SB17-Z0-2	L2344780-06	8082A	N	20X: Diluted due to high target compound concentration.
SB17-Z6-12	L2344780-07	8082A	N	5X: Diluted due to high target compound concentration.
SB16-Z0-2	L2344780-11	8082A	N	20X: Diluted due to high target compound concentration.
SB16-Z6-12	L2344780-12	8082A	N	100X: Diluted due to high target compound concentration.
SB14-Z0-2	L2344780-13	8082A	N	100X: Diluted due to high target compound concentration.
SB14-Z6-12	L2344780-14	8082A	N	100X: Diluted due to high target compound concentration.
SB12-Z0-2	L2344780-15	8082A	N	5X: Diluted due to high target compound concentration.
SB12-Z6-12	L2344780-16	8082A	N	100X: Diluted due to high target compound concentration.
SB13-Z0-2	L2344780-17	8082A	N	100X: Diluted due to high target compound concentration.
SB13-Z6-12	L2344780-18	8082A	N	100X: Diluted due to high target compound concentration.
SB11-Z0-2	L2344780-19	8082A	N	500X: Diluted due to high target compound concentration.
SB11-Z6-12	L2344780-20	8082A	N	500X: Diluted due to high target compound concentration.
SB10-Z0-2	L2344780-21	8082A	N	500X: Diluted due to high target compound concentration.
SB10-Z6-12	L2344780-22	8082A	N	100X: Diluted due to high target compound concentration.
SB09-Z0-2	L2344780-23	8082A	N	500X: Diluted due to high target compound concentration.
SB09-Z6-12	L2344780-24	8082A	N	500X: Diluted due to high target compound concentration.
SB08-Z0-2	L2344780-25	8082A	N	500X: Diluted due to high target compound concentration.
SB08-Z6-12	L2344780-26	8082A	N	100X: Diluted due to high target compound concentration.
SB05-Z0-2	L2344780-27	8082A	N	20X: Diluted due to high target compound concentration.
SB05-Z6-12	L2344780-28	8082A	N	5X: Diluted due to high target compound concentration.

Table 6 –Samples that were Re-analyzed/Diluted

Sample ID	Lab ID	Method	Sample Type	Action
SB05-Z0-2-Q	L2344780-29	8082A	N	20X: Diluted due to high target compound concentration.
SB07-Z0-2	L2344780-30	8082A	N	5X: Diluted due to high target compound concentration.
SB07-Z6-12	L2344780-31	8082A	N	5X: Diluted due to high target compound concentration.
SB06-Z0-2	L2344780-32	8082A	N	20X: Diluted due to high target compound concentration.
SB06-Z6-12	L2344780-33	8082A	N	5X: Diluted due to high target compound concentration.
SB36-Z0-2	L2344780-42	8082A	N	100X: Diluted due to high target compound concentration.
SB36-Z6-12	L2344780-43	8082A	N	20X: Diluted due to high target compound concentration.
SB65-Z0-2	L2344780-44	8082A	N	100X: Diluted due to high target compound concentration.
SB65-Z6-12	L2344780-45	8082A	N	100X: Diluted due to high target compound concentration.
SB64-Z0-2	L2344780-46	8082A	N	5X: Diluted due to high target compound concentration.
SB64-Z6-12	L2344780-47	8082A	N	20X: Diluted due to high target compound concentration.
SB63-Z0-2	L2344780-49	8082A	N	100X: Diluted due to high target compound concentration.
SB63-Z6-12	L2344780-50	8082A	N	20X: Diluted due to high target compound concentration.
SB63-Z0-2-Q	L2344780-51	8082A	N	100X: Diluted due to high target compound concentration.
SB62-Z0-2	L2344780-52	8082A	N	20X: Diluted due to high target compound concentration.
SB62-Z6-12	L2344780-53	8082A	N	20X: Diluted due to high target compound concentration.
SB61-Z0-2	L2344780-54	8082A	N	20X: Diluted due to high target compound concentration.
SB61-Z6-12	L2344780-55	8082A	N	5X: Diluted due to high target compound concentration.
SB60-Z0-2	L2344780-56	8082A	N	20X: Diluted due to high target compound concentration.
SB60-Z6-12	L2344780-57	8082A	N	20X: Diluted due to high target compound concentration.

Table 7 – Summary of Field Duplicate Results

Method	Analyte	Unit	Matrix	PQL	SB05-Z0-2	SB05-Z0-2-Q	RPD	RPD Rating	Sample Qual
SW8082A	AROCLOR 1248	ug/kg	SO	187	3500	3140	10.8%	Good	None
SW8082A	PCBS, TOTAL	ug/kg	SO	110	3500	3140	10.8%	Good	None
A2540G	SOLIDS, TOTAL	percent	SO	0.1	73.4	74	0.8%	Good	None

Method	Analyte	Unit	Matrix	PQL	SB63-Z0-2	SB63-Z0-2-Q	RPD	RPD Rating	Sample Qual
SW8082A	AROCLOR 1248	ug/kg	SO	6040	14800	19800	28.9%	Good	None
SW8082A	PCBS, TOTAL	ug/kg	SO	6040	14800	19800	28.9%	Good	None
A2540G	SOLIDS, TOTAL	percent	SO	0.1	80.1	81.4	1.6%	Good	None

Acronym List and Table Key:

CCV	=	continuing calibration verification
COC	=	chain of custody
DUSR	=	data usability summary report
FD	=	field duplicate
GC/MS	=	gas chromatography / mass spectrometry
ICV	=	initial calibration verification
LCS	=	laboratory control sample
MB	=	method blank
MDL	=	method detection limit
µg/kg	=	micrograms per kilogram
MS	=	matrix spike
MSD	=	matrix spike duplicate
N	=	normal (field) sample
NC	=	not calculated
ND	=	not detected
NYSDEC	=	New York State Department of Environmental Conservation
PQL	=	practical quantitation limit
QA	=	quality assurance
QAPP	=	quality assurance project plan
QC	=	quality control
RPD	=	relative percent difference
SDG	=	sample delivery group
SO	=	soil
SQ	=	soil quality control
TRG	=	target compound
%D	=	percent difference
%RSD	=	percent relative standard deviation
WH	=	rinse blank water
WQ	=	water quality control

Data Usability Summary Report	Project: Loucks Road
Date Completed: October 27, 2023	Completed by: Eridania Marte

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOP
    - *SOP NO. HW-37A, Rev. 0, Polychlorinated Biphenyl (PCB) Aroclor Data Validation*

The data validation was performed under Category B guidelines. Specific criteria for QC limits were obtained from the master QAPP. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

Reference:

Project ID	Lab Work Order	Laboratory Report
EE1705007.0032	L2345841	Alpha Analytical

Table 1 Sample Listing Summary

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Field QC	ID Corrections
L2345841	SO	SB 48-Z12-24	L2345841-01	8/8/2023 9:02	LR	SB48-Z12-24
L2345841	SO	SB 45-Z12-24	L2345841-03	8/8/2023 9:20		SB45-Z12-24
L2345841	SO	SB 47-Z12-24	L2345841-05	8/8/2023 9:42		SB47-Z12-24
L2345841	SO	SB 46-Z12-24	L2345841-07	8/8/2023 9:50		SB46-Z12-24
L2345841	SO	SB 44-Z12-24	L2345841-09	8/8/2023 10:20		SB44-Z12-24
L2345841	SO	SB 43-Z12-24	L2345841-11	8/8/2023 10:40		SB43-Z12-24
L2345841	SO	SB 43-Z24-36	L2345841-12	8/8/2023 10:42		SB43-Z24-36
L2345841	SO	SB 41-Z12-24	L2345841-13	8/8/2023 10:50		SB41-Z12-24
L2345841	SO	SB 42-Z12-24	L2345841-15	8/8/2023 11:05		SB42-Z12-24
L2345841	SO	SB 40-Z12-24	L2345841-17	8/8/2023 11:20		SB40-Z12-24
L2345841	SO	SB 38-Z12-24	L2345841-19	8/8/2023 11:31		SB38-Z12-24
L2345841	SO	SB 39-Z12-24	L2345841-21	8/8/2023 11:40		SB39-Z12-24
L2345841	SO	SB 39-Z24-36	L2345841-22	8/8/2023 11:42		SB39-Z24-36
L2345841	SO	SB 37-Z12-24	L2345841-23	8/8/2023 11:50		SB37-Z12-24
L2345841	SO	SB 36-Z12-24	L2345841-25	8/8/2023 11:55		SB36-Z12-24
L2345841	SO	SB 36-Z24-36	L2345841-26	8/8/2023 11:57		SB36-Z24-36
L2345841	SO	SB 36-Z12-24-Q	L2345841-27	8/8/2023 11:59		SB36-Z12-24-Q
L2345841	SO	SB 36-Z24-36-Q	L2345841-28	8/8/2023 12:01		SB36-Z24-36-Q

Data Usability Summary Report	Project: Loucks Road
Date Completed: October 27, 2023	Completed by: Eridania Marte

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Field QC	ID Corrections
L2345841	SO	SB 35-Z12-24	L2345841-29	8/8/2023 12:05		SB35-Z12-24
L2345841	SO	SB 34-Z12-24	L2345841-31	8/8/2023 13:02		SB34-Z12-24
L2345841	SO	SB 34-Z24-36	L2345841-32	8/8/2023 13:04		SB34-Z24-36
L2345841	SO	SB 33-Z12-24	L2345841-33	8/8/2023 13:10		SB33-Z12-24
L2345841	SO	SB 33-Z24-36	L2345841-34	8/8/2023 13:12		SB33-Z24-36
L2345841	SO	SB 32-Z12-24	L2345841-35	8/8/2023 13:18		SB32-Z12-24
L2345841	SO	SB 31-Z12-24	L2345841-37	8/8/2023 13:28		SB31-Z12-24
L2345841	SO	SB 30-Z12-24	L2345841-39	8/8/2023 13:36		SB30-Z12-24
L2345841	SO	SB 30-Z24-36	L2345841-40	8/8/2023 13:38		SB30-Z24-36
L2345841	SO	SB 29-Z12-24	L2345841-41	8/8/2023 13:48		SB29-Z12-24
L2345841	SO	SB 29-Z24-36	L2345841-42	8/8/2023 13:50		SB29-Z24-36
L2345841	SO	SB 28-Z12-24	L2345841-43	8/8/2023 13:56		SB28-Z12-24
L2345841	SO	SB 27-Z12-24	L2345841-45	8/8/2023 14:10		SB27-Z12-24
L2345841	SO	SB 25-Z12-24	L2345841-47	8/8/2023 14:30		SB25-Z12-24
L2345841	WH	RINSATE BLANK-08082023	L2345841-48	8/8/2023 16:25		

Table 1A Sample Test Summary

Work Orders	Matrix	Test Method	Method Name	Number of Samples	Sample Type
L2345841	SO	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	30	N
L2345841	SO	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	2	FD
L2345841	WH	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	1	RB
L2345841	SO	A2540G	Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	32	N/FD

Data Usability Summary Report	Project: Loucks Road
Date Completed: October 27, 2023	Completed by: Eridania Marte

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	No. The collection date for sample SB 48-Z12-24 was inconsistent between sample container and COC. The collection date was noted per COC per WSP request.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes.
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs Equipment Blank - 1/ set of samples per day?	The frequency of field QC will be evaluated at the end of project. 2 FD per 30 samples. 0 MS/MSD per 30 samples. 1 rinsate blank collected.
Case narrative present and complete?	Yes.
Any holding time violations?	No.

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2)
- Surrogates Outside Limits (Table 3)
- MS/MSD and RPD Outside Limits (Table 4)
- LCS / ICV/CCV Recoveries Outside Limits (Table 5)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Go to List

PCB Aroclors by GC/ECD – Method 8082A	
Description	**Notes and Qualifiers**
Are any compounds present in method blanks as noted on Table 2?	No.
For samples, if results are <5 times the blank then "U" flag data.	Not applicable.
Are surrogates for method blanks and LCS within limits?	Yes.
Are surrogates for samples and MS/MSD within limits? (See Table 3). Matrix effects should be established.	No. The surrogate recoveries for multiple analytes were below the acceptance criteria at 0% for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl on both columns due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis were reported. No qualifications were made on associated sample results.
Is laboratory QC frequency one blank and LCS with each batch and one MS/MSD per 20 samples?	Yes.
Are MS/MSD within QC criteria (see Table 4 and 4A)? If out and LCS is compliant, then J flag positive data in original sample due to matrix.	Yes.
Is LCS within QC criteria (see Table 5 and 5A)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes.
Is initial calibration for target compounds <20 %RSD or curve fit? Is initial calibration verification <20%D?	Yes.
Is continuing calibration for target compounds <20%D? (See Table 5C)	No. Multiple CCVs were recovered outside of the acceptance criteria for multiple sample results. The associated non-detect sample results were UJ qualified as estimated, non-detect. The associated detected sample results were J qualified as estimated.
Were any samples re-analyzed or diluted (see Table 6)? For any sample re-analysis and dilutions is only one reportable result by flagged?	Yes. Dilution was required by the elevated concentrations of target compounds present in the native samples.
Spot check retention time windows and second column confirmations as complete.	Yes.
Do field duplicate results show good precision for all compounds (see Table 7)?	No. Field duplicate pairs for sample SB 36-Z24-36 exhibited poor precision for Aroclor 1248. The associated sample results were J qualified as estimated.

Quantitation Limits and Data Assessment: Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the PCB analyses. These results were qualified as estimated (J) by the laboratory.

Data Validation Qualifiers Definitions:

U - The analyte was analyzed for, but due to blank contamination was flagged as non-detect (U). The result is usable as a non-detect.

J – The analyte QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. The 'J' qualified data may be biased high (+) or low (-) or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. The analyte QC analysis fails outside the primary acceptance limits. The "UJ" qualified data are not excluded from further review or consideration. The 'UJ' qualified data may be biased low.

Summary of Findings
8082A • Multiple sample results were UJ qualified as estimated, non-detect and one same J qualified as estimated due to poor CCVs recoveries. See Table 5C for applicable sample results. • Field duplicate pairs for sample SB 36-Z24-36 exhibited poor precision for Aroclor 1248. The associated sample results were J qualified as estimated.

Table 2 - List of Positive Results for Blank Samples
None.

Table 2A - List of Samples Qualified for Method Blank Contamination
None.

Table 2B - List of Samples Qualified for Field Blank Contamination
None.

Table 3 - List of Samples with Surrogates outside Control Limits

Method	Sample ID	Sample Type	Analyte	Rec %	Low Limit	High Limit	Dil Fac	Qualifier
8082A	SB 43-Z12-24	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB 43-Z24-36	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB 36-Z12-24	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB 36-Z12-24-Q	FD	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB 29-Z12-24	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB 25-Z12-24	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out

Table 4A – List of MS/MSD Recoveries outside Control Limits
None.

Table 4B – List of MS/MSD RPD outside Control Limits
None.

Table 5A – List of LCS Recoveries outside Control Limits
None.

Table 5B – List of LCS RPD outside Control Limits

None.

Table 5C – List of ICV/CCV Recoveries outside Control Limits

Method	Sample Name	Sample Type	Analyte	Peak	Column	Rec.	%D Limit	Associated Samples	Sample Qualifier
8082A	WG1816373-3	CCV	Aroclor-1016	3	1	21.3	20	SB 48-Z12-24 SB 45-Z12-24 SB 47-Z12-24 SB 44-Z12-24 SB 43-Z12-24 SB 41-Z12-24 SB 42-Z12-24 SB 40-Z12-24 SB 38-Z12-24 SB 37-Z12-24 SB 35-Z12-24 SB 32-Z12-24 SB 31-Z12-24	UJ
8082A	WG1818035-1	CCV	Aroclor-1016	3	1	-22.0	20	RINSATE BLANK-08082023	UJ
8082A	WG1818035-1	CCV	Aroclor-1016	4	1	-31.6	20		UJ
8082A	WG1818035-1	CCV	Aroclor-1260	1	2	22.8	20		J
8082A	WG1818035-1	CCV	Aroclor-1260	4	2	22.8	20		J
8082A	WG1823360-1	CCV	Aroclor-1260	3	2	23.1	20	SB 36-Z24-36	UJ
8082A	WG1823360-1	CCV	Aroclor-1260	4	2	21.7	20		UJ
8082A	WG1823360-1	CCV	Aroclor-1260	5	2	23.3	20		UJ

Table 6 –Samples that were Re-analyzed/Diluted

Sample ID	Lab ID	Method	Sample Type	Action
SB 43-Z12-24	L2345841-11	8082A	N	100X: Diluted due to high target analytes concentration
SB 43-Z24-36	L2345841-12	8082A	N	100X: Diluted due to high target analytes concentration
SB 39-Z12-24	L2345841-21	8082A	N	5X: Diluted due to high target analytes concentration
SB 36-Z12-24	L2345841-25	8082A	N	20X: Diluted due to high target analytes concentration
SB 36-Z12-24-Q	L2345841-27	8082A	FD	20X: Diluted due to high target analytes concentration
SB 34-Z12-24	L2345841-31	8082A	N	5X: Diluted due to high target analytes concentration
SB 33-Z12-24	L2345841-33	8082A	N	5X: Diluted due to high target analytes concentration
SB 30-Z12-24	L2345841-39	8082A	N	5X: Diluted due to high target analytes concentration
SB 29-Z12-24	L2345841-41	8082A	N	20X: Diluted due to high target analytes concentration

Table 6 –Samples that were Re-analyzed/Diluted

Sample ID	Lab ID	Method	Sample Type	Action
SB 25-Z12-24	L2345841-47	8082A	N	20X: Diluted due to high target analytes concentration

Table 7 – Summary of Field Duplicate Results

Method	Analyte	Unit	Matrix	PQL	SB 36-Z12-24	SB 36-Z12-24-Q	RPD	RPD Rating	Sample Qual
SW8082A	AROCLOR 1248	ug/kg	SO	1150	5740	5660	1.4%	Good	None
SW8082A	PCBS, TOTAL	ug/kg	SO	1150	5740	5660	1.4%	Good	None
A2540G	SOLIDS, TOTAL	percent	SO	0.1	85.5	84.4	1.3%	Good	None

Method	Analyte	Unit	Matrix	PQL	SB 36-Z24-36	SB 36-Z24-36-Q	RPD	RPD Rating	Sample Qual
SW8082A	AROCLOR 1248	ug/kg	SO	56.2	165	27.2	143.4%	Poor	J Flag
SW8082A	PCBS, TOTAL	ug/kg	SO	56.2	165	27.2	143.4%	Poor	J Flag
A2540G	SOLIDS, TOTAL	percent	SO	0.1	81.7	83.9	2.7%	Good	None

Acronym List and Table Key:

CCV	=	continuing calibration verification
COC	=	chain of custody
DUSR	=	data usability summary report
FD	=	field duplicate
GC/MS	=	gas chromatography / mass spectrometry
ICV	=	initial calibration verification
LCS	=	laboratory control sample
MB	=	method blank
MDL	=	method detection limit
µg/kg	=	micrograms per kilogram
MS	=	matrix spike
MSD	=	matrix spike duplicate
N	=	normal (field) sample
NC	=	not calculated
ND	=	not detected
NYSDEC	=	New York State Department of Environmental Conservation
PQL	=	practical quantitation limit
QA	=	quality assurance
QAPP	=	quality assurance project plan
QC	=	quality control
RPD	=	relative percent difference
SDG	=	sample delivery group
SO	=	soil
SQ	=	soil quality control
TRG	=	target compound
%D	=	percent difference
%RSD	=	percent relative standard deviation
WH	=	rinse blank water
WQ	=	water quality control

Data Usability Summary Report	Project: Loucks Road
Date Completed: October 31, 2023	Completed by: Eridania Marte

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOP
    - *SOP NO. HW-37A, Rev. 0, Polychlorinated Biphenyl (PCB) Aroclor Data Validation*

The data validation was performed under Category B guidelines. Specific criteria for QC limits were obtained from the master QAPP. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

Reference:

Project ID	Lab Work Order	Laboratory Report
EE1705007.0032	L2346234	Alpha Analytical

Table 1 Sample Listing Summary

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Field QC	ID Corrections
L2346234	SO	SB26-Z 12-24	L2346234-01	8/9/2023 8:30	MS/MSD/ LR	SB26-Z12-24
L2346234	SO	SB24-Z 12-24	L2346234-03	8/9/2023 9:00		SB24-Z12-24
L2346234	SO	SB24-Z 24-36	L2346234-04	8/9/2023 9:02		SB24-Z24-36
L2346234	SO	SB23-Z 12-24	L2346234-05	8/9/2023 9:30		SB23-Z12-24
L2346234	SO	SB21-Z 12-24	L2346234-07	8/9/2023 9:40		SB21-Z12-24
L2346234	SO	SB20-Z 12-24	L2346234-09	8/9/2023 9:51		SB20-Z12-24
L2346234	SO	SB19-Z 12-24	L2346234-11	8/9/2023 10:04		SB19-Z12-24
L2346234	SO	SB22-Z 12-24	L2346234-13	8/9/2023 10:10		SB22-Z12-24
L2346234	SO	SB18-Z 12-24	L2346234-15	8/9/2023 10:20		SB18-Z12-24
L2346234	SO	SB16-Z 12-24	L2346234-17	8/9/2023 11:00		SB16-Z12-24
L2346234	SO	SB14-Z 12-24	L2346234-19	8/9/2023 11:08		SB14-Z12-24
L2346234	SO	SB14-Z 24-36	L2346234-20	8/9/2023 11:10		SB14-Z24-36
L2346234	SO	SB12-Z 12-24	L2346234-21	8/9/2023 11:15		SB12-Z12-24
L2346234	SO	SB12-Z 24-36	L2346234-22	8/9/2023 11:17		SB12-Z24-36
L2346234	SO	SB05-Z 12-24	L2346234-23	8/9/2023 11:20		SB05-Z12-24
L2346234	SO	SB02-Z 12-24	L2346234-25	8/9/2023 11:30		SB02-Z12-24
L2346234	SO	SB01-Z 12-24	L2346234-27	8/9/2023 11:42		SB01-Z12-24
L2346234	SO	SB03-Z 12-24	L2346234-29	8/9/2023 11:50		SB03-Z12-24

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Field QC	ID Corrections
L2346234	SO	SB04-Z 12-24	L2346234-31	8/9/2023 13:08		SB04-Z12-24
L2346234	SO	SB04-Z 12-24-Q	L2346234-33	8/9/2023 13:12		SB04-Z12-24-Q
L2346234	SO	SB06-Z 12-24	L2346234-35	8/9/2023 13:18		SB06-Z12-24
L2346234	SO	SB06-Z 24-36	L2346234-36	8/9/2023 13:20		SB06-Z24-36
L2346234	SO	SB08-Z 12-24	L2346234-37	8/9/2023 13:38	MS/MSD/LR	SB08-Z12-24
L2346234	SO	SB08-Z 24-36	L2346234-38	8/9/2023 13:40	LR	SB08-Z24-36
L2346234	SO	SB07-Z 12-24	L2346234-39	8/9/2023 13:30		SB07-Z12-24
L2346234	SO	SB07-Z 24-36	L2346234-40	8/9/2023 13:32		SB07-Z24-36
L2346234	SO	SB09-Z 12-24	L2346234-41	8/9/2023 13:48		SB09-Z12-24
L2346234	SO	SB09-Z 24-36	L2346234-42	8/9/2023 13:50		SB09-Z24-36
L2346234	SO	SB10-Z 12-24	L2346234-43	8/9/2023 13:56		SB10-Z12-24
L2346234	SO	SB10-Z 24-36	L2346234-44	8/9/2023 13:58		SB10-Z24-36
L2346234	SO	SB11-Z 12-24	L2346234-45	8/9/2023 14:02		SB11-Z12-24
L2346234	SO	SB11-Z 24-36	L2346234-46	8/9/2023 14:04		SB11-Z24-36
L2346234	SO	SB13-Z 12-24	L2346234-47	8/9/2023 14:08		SB13-Z12-24
L2346234	SO	SB13-Z 24-36	L2346234-48	8/9/2023 14:10		SB13-Z24-36
L2346234	SO	SB15-Z 0-2	L2346234-49	8/9/2023 14:33		SB15-Z0-2
L2346234	SO	SB15-Z 6-12	L2346234-50	8/9/2023 14:35		SB15-Z6-12
L2346234	SO	SB15-Z 0-2-Q	L2346234-51	8/9/2023 14:31		SB15-Z0-2-Q
L2346234	SO	SB15-Z 12-24	L2346234-52	8/9/2023 14:37		SB15-Z12-24
L2346234	SO	SB15-Z 24-36	L2346234-53	8/9/2023 14:39		SB15-Z24-36
L2346234	SO	SB17-Z 12-24	L2346234-54	8/9/2023 14:50		SB17-Z12-24
L2346234	SO	SB17-Z 24-36	L2346234-55	8/9/2023 14:52		SB17-Z24-36
L2346234	WH	RINSATE BLANK-08092023	L2346234-56	8/9/2023 15:00		

Table 1A Sample Test Summary

Work Orders	Matrix	Test Method	Method Name	Number of Samples	Sample Type
L2344350	SO	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	39	N
L2344350	SO	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	2	FD
L2344350	WH	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	1	RB

Work Orders	Matrix	Test Method	Method Name	Number of Samples	Sample Type
L2344350	SO	A2540G	Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	41	N/FD

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	No. The collection date for sample SB10-Z 24-36 was inconsistent between sample container and COC. The collection date was noted per COC per WSP request.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes.
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs Equipment Blank - 1/ set of samples per day?	The frequency of field QC will be evaluated at the end of project. 2 FD per 39 samples. 2 MS/MSD per 39 samples. 1 rinsate blank collected.
Case narrative present and complete?	Yes.
Any holding time violations?	No.

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2)
- Surrogates Outside Limits (Table 3)
- MS/MSD and RPD Outside Limits (Table 4)
- LCS / ICV/CCV Recoveries Outside Limits (Table 5)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Go to List

PCB Aroclors by GC/ECD – Method 8082A	
Description	**Notes and Qualifiers**
Are any compounds present in method blanks as noted on Table 2?	No.
For samples, if results are <5 times the blank then "U" flag data.	Not applicable.
Are surrogates for method blanks and LCS within limits?	Yes.
Are surrogates for samples and MS/MSD within limits? (See Table 3). Matrix effects should be established.	No. The surrogate recoveries for multiple analytes were below the acceptance criteria at 0% for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl on both columns due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis were reported. No qualifications were made on associated sample results.
Is laboratory QC frequency one blank and LCS with each batch and one MS/MSD per 20 samples?	Yes.
Are MS/MSD within QC criteria (see Table 4 and 4A)? If out and LCS is compliant, then J flag positive data in original sample due to matrix.	No. The associated MS recoveries were high while parent sample was non-detect; therefore, no qualification was made.
Is LCS within QC criteria (see Table 5 and 5A)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes.
Is initial calibration for target compounds <20 %RSD or curve fit? Is initial calibration verification <20%D?	Yes.
Is continuing calibration for target compounds <20%D? (See Table 5C)	No. Multiple CCVs were recovered outside of the acceptance criteria for multiple sample results. The associated non-detect sample results were UJ qualified as estimated, non-detect. The associated detected sample results were J qualified as estimated.
Were any samples re-analyzed or diluted (see Table 6)? For any sample re-analysis and dilutions is only one reportable result by flagged?	Yes. Dilution was required by the elevated concentrations of target compounds present in the native samples.
Spot check retention time windows and second column confirmations as complete.	Yes.
Do field duplicate results show good precision for all compounds (see Table 7)?	Yes.

Quantitation Limits and Data Assessment: Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the PCB analyses. These results were qualified as estimated (J) by the laboratory.

Data Validation Qualifiers Definitions:

U - The analyte was analyzed for, but due to blank contamination was flagged as non-detect (U). The result is usable as a non-detect.

J – The analyte QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. The 'J' qualified data may be biased high (+) or low (-) or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. The analyte QC analysis fails outside the primary acceptance limits. The "UJ" qualified data are not excluded from further review or consideration. The 'UJ' qualified data may be biased low.

Summary of Findings
8082A • Multiple sample results were UJ qualified as estimated, non-detect and one same J qualified as estimated due to poor CCVs recoveries. See Table 5C for applicable sample results.

Table 2 - List of Positive Results for Blank Samples
None.

Table 2A - List of Samples Qualified for Method Blank Contamination
None.

Table 2B - List of Samples Qualified for Field Blank Contamination
None.

Table 3 - List of Samples with Surrogates outside Control Limits

Method	Sample ID	Sample Type	Analyte	Rec %	Low Limit	High Limit	Dil Fac	Qualifier
8082A	SB14-Z 12-24	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB12-Z 12-24	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB12-Z 24-36	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB06-Z 12-24	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB06-Z 24-36	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB08-Z 12-24	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB07-Z 12-24	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB09-Z 12-24	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB09-Z 24-36	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB10-Z 12-24	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB10-Z 24-36	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB11-Z 12-24	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out

Method	Sample ID	Sample Type	Analyte	Rec %	Low Limit	High Limit	Dil Fac	Qualifier
8082A	SB11-Z 24-36	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB13-Z 12-24	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB13-Z 24-36	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	25	None – Diluted Out
8082A	SB15-Z 0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB15-Z 6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB15-Z 0-2-Q	FD	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	100	None – Diluted Out
8082A	SB15-Z 12-24	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	500	None – Diluted Out
8082A	SB15-Z 24-36	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB17-Z 12-24	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	500	None – Diluted Out
8082A	SB17-Z 24-36	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out

Table 4A – List of MS/MSD Recoveries outside Control Limits

Method	Parent Sample	Analyte	Orig. Result	Spike Amount	Unit	Low Limit	High Limit	MS	SD	Qualifier
8082A	SB08-Z 24-36	AROCLOR 1016	ND	350	ug/kg	40	140	220	188	
8082A	SB08-Z 24-36	AROCLOR 1260	ND	350	ug/kg	40	140	272	245	

Table 4B – List of MS/MSD RPD outside Control Limits
None.

Table 5A – List of LCS Recoveries outside Control Limits
None.

Table 5B – List of LCS RPD outside Control Limits
None.

Data Usability Summary Report	Project: Loucks Road
Date Completed: October 31, 2023	Completed by: Eridania Marte

Table 5C – List of ICV/CCV Recoveries outside Control Limits

Method	Sample Name	Sample Type	Analyte	Peak	Column	Rec.	%D Limit	Associated Samples	Sample Qualifier
8082A	WG1818130-1	CCV	Aroclor-1260	3	1	20.3	20	SB23-Z 12-24 SB21-Z 12-24 SB20-Z 12-24 SB19-Z 12-24 SB18-Z 12-24 SB16-Z 12-24 SB14-Z 12-24 SB05-Z 12-24 SB02-Z 12-24 SB01-Z 12-24 SB03-Z 12-24 SB04-Z 12-24 SB04-Z 12-24-Q SB06-Z 12-24 SB08-Z 12-24 SB07-Z 12-24	UJ
8082A	WG1818130-1	CCV	Aroclor-1016	1	1	21.3	20		
8082A	WG1818135-1	CCV	Aroclor-1260	2	2	-20.3	20	SB10-Z 12-24 SB11-Z 12-24	J
8082A	WG1818135-1	CCV	Aroclor-1260	3	2	-20.4	20	SB15-Z 0-2 SB15-Z 0-2-Q	J
8082A	WG1818135-1	CCV	Aroclor-1260	2	2	-20.3	20	SB15-Z 12-24 SB17-Z 12-24	UJ
8082A	WG1818135-1	CCV	Aroclor-1260	3	2	-20.4	20		UJ
8082A	WG1823360-1	CCV	Aroclor-1260	3	2	23.1	20	SB14-Z 24-36 SB12-Z 24-36	J
8082A	WG1823360-1	CCV	Aroclor-1260	4	2	21.7	20		J
8082A	WG1823360-1	CCV	Aroclor-1260	5	2	23.3	20		J

Table 6 –Samples that were Re-analyzed/Diluted

Sample ID	Lab ID	Method	Sample Type	Action
SB24-Z 12-24	L2346234-03	8082A	N	5X: Diluted to bring target analyte within calibration range
SB24-Z 24-36	L2346234-04	8082A	N	5X: Diluted to bring target analyte within calibration range
SB14-Z 12-24	L2346234-19	8082A	N	20X: Diluted to bring target analyte within calibration range

Table 6 –Samples that were Re-analyzed/Diluted

Sample ID	Lab ID	Method	Sample Type	Action
SB14-Z 24-36	L2346234-20	8082A	N	5X: Diluted to bring target analyte within calibration range
SB12-Z 12-24	L2346234-21	8082A	N	100X: Diluted to bring target analyte within calibration range
SB12-Z 24-36	L2346234-22	8082A	N	20X: Diluted to bring target analyte within calibration range
SB06-Z 12-24	L2346234-35	8082A	N	20X: Diluted to bring target analyte within calibration range
SB06-Z 24-36	L2346234-36	8082A	N	100X: Diluted to bring target analyte within calibration range
SB08-Z 12-24	L2346234-37	8082A	N	20X: Diluted to bring target analyte within calibration range
SB08-Z 24-36	L2346234-38	8082A	N	5X: Diluted to bring target analyte within calibration range
SB07-Z 12-24	L2346234-39	8082A	N	20X: Diluted to bring target analyte within calibration range
SB09-Z 12-24	L2346234-41	8082A	N	100X: Diluted to bring target analyte within calibration range
SB09-Z 24-36	L2346234-42	8082A	N	20X: Diluted to bring target analyte within calibration range
SB10-Z 12-24	L2346234-43	8082A	N	100X: Diluted to bring target analyte within calibration range
SB10-Z 24-36	L2346234-44	8082A	N	20X: Diluted to bring target analyte within calibration range
SB11-Z 12-24	L2346234-45	8082A	N	100X: Diluted to bring target analyte within calibration range
SB11-Z 24-36	L2346234-46	8082A	N	20X: Diluted to bring target analyte within calibration range
SB13-Z 12-24	L2346234-47	8082A	N	100X: Diluted to bring target analyte within calibration range
SB13-Z 24-36	L2346234-48	8082A	N	25X: Diluted to bring target analyte within calibration range
SB15-Z 0-2	L2346234-49	8082A	N	100X: Diluted to bring target analyte within calibration range
SB15-Z 6-12	L2346234-50	8082A	N	100X: Diluted to bring target analyte within calibration range
SB15-Z 0-2-Q	L2346234-51	8082A	FD	100X: Diluted to bring target analyte within calibration range
SB15-Z 12-24	L2346234-52	8082A	N	500X: Diluted to bring target analyte within calibration range
SB15-Z 24-36	L2346234-53	8082A	N	20X: Diluted to bring target analyte within calibration range
SB17-Z 12-24	L2346234-54	8082A	N	500X: Diluted to bring target analyte within calibration range
SB17-Z 24-36	L2346234-55	8082A	N	20X: Diluted to bring target analyte within calibration range

Table 7 – Summary of Field Duplicate Results

Method	Analyte	Unit	Matrix	PQL	SB15-Z 0-2	SB15-Z 0-2-Q	RPD	RPD Rating	Sample Qual
SW8082A	AROCLOR 1248	ug/kg	SO	5730	12200	12700	4.0%	Good	None
SW8082A	AROCLOR 1260	ug/kg	SO	5730	1180	1230	4.1%	Good	None
SW8082A	PCBS, TOTAL	ug/kg	SO	5730	13400	13900	3.7%	Good	None
A2540G	SOLIDS, TOTAL	percent	0	0.1	84.1	83	1.3%	Good	None

Data Usability Summary Report	Project: Loucks Road
Date Completed: October 31, 2023	Completed by: Eridania Marte

Method	Analyte	Unit	Matrix	PQL	SB04-Z 12-24	SB04-Z 12-24-Q	RPD	RPD Rating	Sample Qual
SW8082A	AROCLOR 1248	ug/kg	SO	55.2	332	453	30.8%	Good	None
SW8082A	PCBS, TOTAL	ug/kg	SO	55.2	332	453	30.8%	Good	None
A2540G	SOLIDS, TOTAL	percent	SO	0.1	87	86.2	0.9%	Good	None

Acronym List and Table Key:

CCV	=	continuing calibration verification
COC	=	chain of custody
DUSR	=	data usability summary report
FD	=	field duplicate
GC/MS	=	gas chromatography / mass spectrometry
ICV	=	initial calibration verification
LCS	=	laboratory control sample
MB	=	method blank
MDL	=	method detection limit
µg/kg	=	micrograms per kilogram
MS	=	matrix spike
MSD	=	matrix spike duplicate
N	=	normal (field) sample
NC	=	not calculated
ND	=	not detected
NYSDEC	=	New York State Department of Environmental Conservation
PQL	=	practical quantitation limit
QA	=	quality assurance
QAPP	=	quality assurance project plan
QC	=	quality control
RPD	=	relative percent difference
SDG	=	sample delivery group
SO	=	soil
SQ	=	soil quality control
TRG	=	target compound
%D	=	percent difference
%RSD	=	percent relative standard deviation
WH	=	rinse blank water
WQ	=	water quality control

Data Usability Summary Report	Project: Loucks Road
Date Completed: November 2, 2023	Completed by: Eridania Marte

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOP
    - *SOP NO. HW-37A, Rev. 0, Polychlorinated Biphenyl (PCB) Aroclor Data Validation*

The data validation was performed under Category B guidelines. Specific criteria for QC limits were obtained from the master QAPP. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

Reference:

Project ID	Lab Work Order	Laboratory Report
EE1705007.0032	L2356902	Alpha Analytical

Table 1 Sample Listing Summary

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Field QC	ID Corrections
L2356902	SO	SB58-Z0-2	L2356902-01	9/26/2023 10:54		
L2356902	SO	SB58-Z6-12	L2356902-02	9/26/2023 10:56		
L2356902	SO	SB58-Z12-24	L2356902-03	9/26/2023 10:58		
L2356902	SO	SB57-Z0-2	L2356902-05	9/26/2023 11:56		
L2356902	SO	SB57-Z6-12	L2356902-06	9/26/2023 11:58		
L2356902	SO	SB57-Z12-24	L2356902-07	9/26/2023 12:00		
L2356902	SO	SB56-Z0-2	L2356902-08	9/26/2023 12:33		
L2356902	SO	SB56-Z6-12	L2356902-09	9/26/2023 12:35		
L2356902	SO	SB56-Z12-24	L2356902-10	9/26/2023 12:37		
L2356902	SO	SB55-Z0-2	L2356902-12	9/26/2023 13:24		
L2356902	SO	SB55-Z6-12	L2356902-13	9/26/2023 13:26		
L2356902	SO	SB55-Z12-24	L2356902-14	9/26/2023 13:28		
L2356902	SO	SB54-Z0-2	L2356902-16	9/26/2023 14:02		
L2356902	SO	SB54-Z6-12	L2356902-17	9/26/2023 14:04	MS/MSD/ LR	
L2356902	SO	SB54-Z12-24	L2356902-18	9/26/2023 14:06		
L2356902	SO	SB54-Z12-24-Q	L2356902-20	9/26/2023 14:10		
L2356902	SO	SB53-Z0-2	L2356902-21	9/26/2023 14:59		
L2356902	SO	SB53-Z6-12	L2356902-22	9/26/2023 15:01		
L2356902	SO	SB53-Z12-24	L2356902-23	9/26/2023 15:03		
L2356902	SO	SB52-Z0-2	L2356902-25	9/26/2023 15:38		
L2356902	SO	SB52-Z6-12	L2356902-26	9/26/2023 15:40		
L2356902	SO	SB52-Z12-24	L2356902-27	9/26/2023 15:42		
L2356902	SO	SB51-Z0-2	L2356902-29	9/26/2023 16:34		
L2356902	SO	SB51-Z0-2-Q	L2356902-30	9/26/2023 16:40	LR	
L2356902	SO	SB51-Z6-12	L2356902-31	9/26/2023 16:36		
L2356902	SO	SB51-Z12-24	L2356902-32	9/26/2023 16:38		
L2356902	SO	SB50-Z0-2	L2356902-33	9/26/2023 17:16		
L2356902	SO	SB50-Z6-12	L2356902-34	9/26/2023 17:18		
L2356902	SO	SB50-Z12-24	L2356902-35	9/26/2023 17:20	MS/MSD/ LR	
L2356902	SO	SB49-Z0-2	L2356902-37	9/26/2023 18:04		
L2356902	SO	SB49-Z6-12	L2356902-38	9/26/2023 18:06		
L2356902	SO	SB49-Z12-18	L2356902-39	9/26/2023 18:08		
L2356902	WH	RINSTATE-09262023	L2356902-40	9/26/2023 18:15		

Table 1A Sample Test Summary

Work Orders	Matrix	Test Method	Method Name	Number of Samples	Sample Type
L2356902	SO	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	30	N
L2356902	SO	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	2	FD
L2356902	WH	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	1	RB
L2356902	SO	A2540G	Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	32	N/FD

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	No. The collection date for sample SB51-Z12-24 was inconsistent between sample container and COC. The collection date was noted per COC per WSP request.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes.
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs Equipment Blank - 1/ set of samples per day?	The frequency of field QC will be evaluated at the end of project. 2 FD per 30 samples. 2 MS/MSD per 30 samples. 1 rinsate blank collected.
Case narrative present and complete?	Yes.
Any holding time violations?	No.

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2)
- Surrogates Outside Limits (Table 3)
- MS/MSD and RPD Outside Limits (Table 4)
- LCS / ICV/CCV Recoveries Outside Limits (Table 5)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Go to List

PCB Aroclors by GC/ECD – Method 8082A	
Description	**Notes and Qualifiers**
Are any compounds present in method blanks as noted on Table 2?	No.
For samples, if results are <5 times the blank then "U" flag data.	Not applicable.
Are surrogates for method blanks and LCS within limits?	Yes.
Are surrogates for samples and MS/MSD within limits? (See Table 3). Matrix effects should be established.	No. The surrogate recoveries for multiple analytes were below the acceptance criteria at 0% for 2,4,5,6-tetrachloro-m-xylene and decachlorobiphenyl on both columns due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis were reported. No qualifications were made on associated sample results.
Is laboratory QC frequency one blank and LCS with each batch and one MS/MSD per 20 samples?	Yes.
Are MS/MSD within QC criteria (see Table 4 and 4A)? If out and LCS is compliant, then J flag positive data in original sample due to matrix.	Yes.
Is LCS within QC criteria (see Table 5 and 5A)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes.
Is initial calibration for target compounds <20 %RSD or curve fit? Is initial calibration verification <20%D?	Yes.
Is continuing calibration for target compounds <20%D? (See Table 5C)	No. Multiple CCVs were recovered outside of the acceptance criteria for multiple sample results. The associated non-detect sample results were UJ qualified as estimated, non-detect.
Were any samples re-analyzed or diluted (see Table 6)? For any sample re-analysis and dilutions is only one reportable result by flagged?	Yes. Dilution was required by the elevated concentrations of target compounds present in the native samples.
Spot check retention time windows and second column confirmations as complete.	Yes.
Do field duplicate results show good precision for all compounds (see Table 7)?	Yes.

Quantitation Limits and Data Assessment: Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the PCB analyses. These results were qualified as estimated (J) by the laboratory.

Data Validation Qualifiers Definitions:

U - The analyte was analyzed for, but due to blank contamination was flagged as non-detect (U). The result is usable as a non-detect.

J – The analyte QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. The 'J' qualified data may be biased high (+) or low (-) or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. The analyte QC analysis fails outside the primary acceptance limits. The "UJ" qualified data are not excluded from further review or consideration. The 'UJ' qualified data may be biased low.

Summary of Findings
8082A • Multiple sample results were UJ qualified as estimated, non-detect due to poor CCVs recoveries. See Table 5C for applicable sample results.

Table 2 - List of Positive Results for Blank Samples
None.

Table 2A - List of Samples Qualified for Method Blank Contamination
None.

Table 2B - List of Samples Qualified for Field Blank Contamination
None.

Table 3 - List of Samples with Surrogates outside Control Limits

Method	Sample ID	Sample Type	Analyte	Rec %	Low Limit	High Limit	Dil Fac	Qualifier
8082A	SB57-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB52-Z12-24	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB51-Z0-2	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out
8082A	SB51-Z0-2-Q	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0	30	150	20	None – Diluted Out

Table 4A – List of MS/MSD Recoveries outside Control Limits
None.

Table 4B – List of MS/MSD RPD outside Control Limits
None.

Table 5A – List of LCS Recoveries outside Control Limits
None.

Table 5B – List of LCS RPD outside Control Limits
None.

Table 5C – List of ICV/CCV Recoveries outside Control Limits

Method	Sample Name	Sample Type	Analyte	Peak	Column	Rec.	%D Limit	Associated Samples	Sample Qualifier
8082A	WG1834060-1	CCV	Aroclor-1016	3	1	-20.5	20	SB58-Z6-12 SB56-Z0-2	UJ
8082A	WG1834060-1	CCV	Aroclor-1016	1	1	-23.8	20		

Data Usability Summary Report	Project: Loucks Road
Date Completed: November 2, 2023	Completed by: Eridania Marte

Method	Sample Name	Sample Type	Analyte	Peak	Column	Rec.	%D Limit	Associated Samples	Sample Qualifier
								SB54-Z0-2	
8082A	WG1836341-1	CCV	Aroclor-1260	1	1	-25.4	20	RINSTATE-09262023	UJ

Table 6 –Samples that were Re-analyzed/Diluted

Sample ID	Lab ID	Method	Sample Type	Action
SB58-Z6-12	L2356902-02	8082A	N	5X: Diluted to bring target analytes within calibration range
SB57-Z0-2	L2356902-05	8082A	N	20X: Diluted to bring target analytes within calibration range
SB56-Z0-2	L2356902-08	8082A	N	5X: Diluted to bring target analytes within calibration range
SB55-Z0-2	L2356902-12	8082A	N	5X: Diluted to bring target analytes within calibration range
SB54-Z0-2	L2356902-16	8082A	N	5X: Diluted to bring target analytes within calibration range
SB52-Z0-2	L2356902-25	8082A	N	5X: Diluted to bring target analytes within calibration range
SB52-Z6-12	L2356902-26	8082A	N	5X: Diluted to bring target analytes within calibration range
SB52-Z12-24	L2356902-27	8082A	N	20X: Diluted to bring target analytes within calibration range
SB51-Z0-2	L2356902-29	8082A	N	20X: Diluted to bring target analytes within calibration range
SB51-Z0-2-Q	L2356902-30	8082A	FD	20X: Diluted to bring target analytes within calibration range
SB50-Z0-2	L2356902-33	8082A	N	5X: Diluted to bring target analytes within calibration range

Table 7 – Summary of Field Duplicate Results

Method	Analyte	Unit	Matrix	PQL	SB54-Z12-24	SB54-Z12-24-Q	RPD	RPD Rating	Sample Qual
SW8082A	AROCLOR 1248	ug/kg	SO	58.7	33.4	36.8	9.7%	Good	None
SW8082A	PCBS, TOTAL	ug/kg	SO	58.7	33.4	36.8	9.7%	Good	None
A2540G	SOLIDS, TOTAL	percent	SO	0.1	77.9	79.7	2.3%	Good	None

Method	Analyte	Unit	Matrix	PQL	SB51-Z0-2	SB51-Z0-2-Q	RPD	RPD Rating	Sample Qual
SW8082A	AROCLOR 1248	ug/kg	SO	58.7	5730	5370	6.5%	Good	None
SW8082A	PCBS, TOTAL	ug/kg	SO	58.7	5730	5370	6.5%	Good	None
A2540G	SOLIDS, TOTAL	percent	SO	0.1	82.2	83.8	1.9%	Good	None

Acronym List and Table Key:

CCV	=	continuing calibration verification
COC	=	chain of custody
DUSR	=	data usability summary report
FD	=	field duplicate
GC/MS	=	gas chromatography / mass spectrometry
ICV	=	initial calibration verification
LCS	=	laboratory control sample
MB	=	method blank
MDL	=	method detection limit
µg/kg	=	micrograms per kilogram
MS	=	matrix spike
MSD	=	matrix spike duplicate
N	=	normal (field) sample
NC	=	not calculated
ND	=	not detected
NYSDEC	=	New York State Department of Environmental Conservation
PQL	=	practical quantitation limit
QA	=	quality assurance
QAPP	=	quality assurance project plan
QC	=	quality control
RPD	=	relative percent difference
SDG	=	sample delivery group
SO	=	soil
SQ	=	soil quality control
TRG	=	target compound
%D	=	percent difference
%RSD	=	percent relative standard deviation
WH	=	rinse blank water
WQ	=	water quality control

Data Usability Summary Report	Project: Loucks Road
Date Completed: March 11, 2024	Completed by: Tunde Komuves-Sandor

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOP
  - *SOP NO. HW-37A, Rev. 0, Polychlorinated Biphenyl (PCB) Aroclor Data Validation*

The data validation was performed under Category B guidelines. Specific criteria for QC limits were obtained from the master QAPP. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

Reference:

Project ID	Lab Work Order	Laboratory Report
EE1705007.0032	L2359925 L2357618	Alpha Analytical

Table 1 Sample Listing Summary

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Field QC	ID Corrections
L2359925	SO	SB 52-Z24-36	L2359925-01	9/26/2023 15:44		
L2357618	SO	SB 43-Z40-48	L2357618-01	9/27/2023 16:35		
L2357618	SO	SB 24-Z38-42	L2357618-02	9/29/2023 9:56		
L2357618	SO	SB 17-Z42-48	L2357618-03	9/29/2023 10:18		
L2357618	SO	SB 15-Z39-42	L2357618-04	9/29/2023 10:35		
L2357618	SO	SB 15-Z42-48	L2357618-05	9/29/2023 10:38		
L2357618	SO	SB 14-Z38-42	L2357618-06	9/29/2023 11:20		
L2357618	SO	SB 14-Z42-48	L2357618-07	9/29/2023 11:25		
L2357618	SO	SB 12-Z42-48	L2357618-08	9/29/2023 12:45		
L2357618	SO	SB 13-Z49-52 *	L2357618-09	9/29/2023 13:05		
L2357618	SO	SB 11-Z47-51	L2357618-10	9/29/2023 13:30		
L2357618	SO	SB 10-Z42-48	L2357618-11	9/29/2023 13:45		
L2357618	SO	SB 09-Z43-48	L2357618-12	9/29/2023 14:23		
L2357618	SO	SB 08-Z48-52	L2357618-13	9/29/2023 14:40		
L2357618	SO	SB 06-Z40-47	L2357618-14	9/29/2023 15:00		
L2357618	SO	SB 25-Z24-36	L2357618-15	9/29/2023 16:00		
L2357618	WH	RINSTATE_09292023	L2357618-16	9/29/2023 16:15	RB	

* Sample was placed on hold.

Table 1A Sample Test Summary

Work Orders	Matrix	Test Method	Method Name	Number of Samples	Sample Type
L2359925	SO	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	1	N
L2359925	SO	A2540G	Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	1	N
L2357618	SO	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	15	N
L2357618	SO	A2540G	Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	15	N
L2357618	WH	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	1	RB

Data Usability Summary Report	Project: Loucks Road
Date Completed: March 11, 2024	Completed by: Tunde Komuves-Sandor

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	No. In SDG L2359925 an additional nine (9) samples were collected on 9/26/2023 and placed on hold, these samples were not logged in by the laboratory. In SDG L2357618 one (1) of the 16 samples submitted to the laboratory was placed on hold and logged in by the laboratory.
Did coolers arrive at lab between 2 and 6ºC and in good condition as indicated on COC and Cooler Receipt Form?	Yes.
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs Equipment Blank - 1/ set of samples per day?	The frequency of field QC will be evaluated at the end of project. 1 rinsate blank collected. No field duplicates or MS/MSDs were collected and/or designated on the COC.
Case narrative present and complete?	Yes.
Any holding time violations?	No.

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2)
- Surrogates Outside Limits (Table 3)
- MS/MSD and RPD Outside Limits (Table 4)
- LCS / ICV/CCV Recoveries Outside Limits (Table 5)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Go to List

PCB Aroclors by GC/ECD – Method 8082A	
Description	**Notes and Qualifiers**
Are any compounds present in method blanks as noted on Table 2?	No.
For samples, if results are <5 times the blank then "U" flag data.	Not applicable.
Are surrogates for method blanks and LCS within limits?	Yes.
Are surrogates for samples and MS/MSD within limits? (See Table 3). Matrix effects should be established.	No. Surrogate recovery values are below criteria in the samples listed in Table 3. Data qualification is not required because, in all cases, the surrogates were diluted below the calibration range. MS/MSD were not performed.
Is laboratory QC frequency one blank and LCS with each batch and one MS/MSD per 20 samples?	MS/MSD not included in this batch.
Are MS/MSD within QC criteria (see Table 4 and 4A)? If out and LCS is compliant, then J flag positive data in original sample due to matrix.	Not applicable.
Is LCS within QC criteria (see Table 5 and 5A)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes.
Is initial calibration for target compounds <20 %RSD or curve fit? Is initial calibration verification <20%D?	Yes.
Is continuing calibration for target compounds <20%D? (See Table 5C)	No. One (1) CCV was recovered outside of the acceptance criteria (low response). The associated non-detect sample results were UJ qualified as estimated, non-detect. ICVs/CCVs with %D >20 surrogates were not qualified; QC sample results are not qualified based on surrogate recovery.
Were any samples re-analyzed or diluted (see Table 6)? For any sample re-analysis and dilutions is only one reportable result by flagged?	Yes. Dilution was required by the elevated concentrations of target compounds present in the native samples.
Spot check retention time windows and second column confirmations as complete.	Yes.
Do field duplicate results show good precision for all compounds (see Table 7)?	Not applicable, field duplicates were not collected as part of this data set.

Quantitation Limits and Data Assessment: Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the PCB analyses. These results were qualified as estimated (J) by the laboratory.

Data Validation Qualifiers Definitions:

U - The analyte was analyzed for, but due to blank contamination was flagged as non-detect (U). The result is usable as a non-detect.

J – The analyte QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. The 'J' qualified data may be biased high (+) or low (-) or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. The analyte QC analysis fails outside the primary acceptance limits. The "UJ" qualified data are not excluded from further review or consideration. The 'UJ' qualified data may be biased low.

Summary of Findings
8082A • Data quality is acceptable, and the results are useable as qualified. One CCV was outside the QC range resulting in one result being qualified as estimated detection limit.

Table 2 - List of Positive Results for Blank Samples
None.

Table 2A - List of Samples Qualified for Method Blank Contamination
None.

Table 2B - List of Samples Qualified for Field Blank Contamination
None.

Table 3 - List of Samples with Surrogates outside Control Limits

Method	Sample ID	Sample Type	Analyte	Rec %	Low Limit	High Limit	Dil Fac	Qualifier
8082A	L2357618-01	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	20	None – Diluted Out
8082A	L2357618-03	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	20	None – Diluted Out
8082A	L2357618-04	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	100	None – Diluted Out
8082A	L2357618-05	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	100	None – Diluted Out
8082A	L2357618-08	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	100	None – Diluted Out
8082A	L2357618-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	20	None – Diluted Out

Table 4A – List of MS/MSD Recoveries outside Control Limits
None.

Table 4B – List of MS/MSD RPD outside Control Limits
None.

Table 5A – List of LCS Recoveries outside Control Limits
None.

Table 5B – List of LCS RPD outside Control Limits
None.

Table 5C – List of ICV/CCV Recoveries outside Control Limits

Method	Sample Name	Sample Type	Analyte	Peak	Column	Rec.	%D Limit	Associated Samples	Sample Qualifier
8082A	WG1837212-5	CCV	Aroclor-1260	1	2	47.2	20	RINSTATE_09292023	UJ

Table 6 –Samples that were Re-analyzed/Diluted

Sample ID	Lab ID	Method	Sample Type	Action
SB 43-Z40-48	L2357618-01	8082A	N	20X: Diluted to bring target analytes within calibration range
SB 24-Z38-42	L2357618-02	8082A	N	5X: Diluted to bring target analytes within calibration range
SB 17-Z42-48	L2357618-03	8082A	N	20X: Diluted to bring target analytes within calibration range
SB 15-Z39-42	L2357618-04	8082A	N	100X: Diluted to bring target analytes within calibration range
SB 15-Z42-48	L2357618-05	8082A	N	100X: Diluted to bring target analytes within calibration range
SB 14-Z38-42	L2357618-06	8082A	N	5X: Diluted to bring target analytes within calibration range
SB 14-Z42-48	L2357618-07	8082A	N	5X: Diluted to bring target analytes within calibration range
SB 12-Z42-48	L2357618-08	8082A	N	100X: Diluted to bring target analytes within calibration range
SB 11-Z47-51	L2357618-10	8082A	N	5X: Diluted to bring target analytes within calibration range
SB 10-Z42-48	L2357618-11	8082A	N	5X: Diluted to bring target analytes within calibration range
SC 09-Z43-48	L2357618-12	8082A	N	20X: Diluted to bring target analytes within calibration range
SB 06-Z40-47	L2357618-14	8082A	N	5X: Diluted to bring target analytes within calibration range

Table 7 – Summary of Field Duplicate Results
None.

Data Usability Summary Report	Project: Loucks Road
Date Completed: March 11, 2024	Completed by: Tunde Komuves-Sandor

Acronym List and Table Key:

CCV	=	continuing calibration verification
COC	=	chain of custody
DUSR	=	data usability summary report
FD	=	field duplicate
GC/MS	=	gas chromatography / mass spectrometry
ICV	=	initial calibration verification
LCS	=	laboratory control sample
MB	=	method blank
MDL	=	method detection limit
µg/kg	=	micrograms per kilogram
MS	=	matrix spike
MSD	=	matrix spike duplicate
N	=	normal (field) sample
NC	=	not calculated
ND	=	not detected
NYSDEC	=	New York State Department of Environmental Conservation
PQL	=	practical quantitation limit
QA	=	quality assurance
QAPP	=	quality assurance project plan
QC	=	quality control
RPD	=	relative percent difference
SDG	=	sample delivery group
SO	=	soil
SQ	=	soil quality control
TRG	=	target compound
%D	=	percent difference
%RSD	=	percent relative standard deviation
WH	=	rinse blank water
WQ	=	water quality control

Data Usability Summary Report	Project: Loucks Road
Date Completed: March 11, 2024	Completed by: Tunde Komuves-Sandor

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOP
    - *SOP NO. HW-37A, Rev. 0, Polychlorinated Biphenyl (PCB) Aroclor Data Validation*

The data validation was performed under Category B guidelines. Specific criteria for QC limits were obtained from the master QAPP. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

Reference:

Project ID	Lab Work Order	Laboratory Report
EE1705007.0032	L2374408	Alpha Analytical

Table 1 Sample Listing Summary

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Field QC	ID Corrections
L2374408	SO	SB43-Z72-78 *	L2374408-01	2/13/2023 10:30		
L2374408	SO	SB43-Z60-66	L2374408-02	12/13/2023 10:28		
L2374408	SO	SB59-Z0-2	L2374408-03	12/13/2023 11:00		
L2374408	SO	SB59-Z6-12	L2374408-04	12/13/2023 11:02		
L2374408	SO	SB59-12-24 *	L2374408-05	12/13/2023 11:04		
L2374408	SO	OS-SS-12-Z12-24	L2374408-06	12/13/2023 10:44		
L2374408	SO	OS-SS-12-Z24-36	L2374408-07	12/13/2023 10:46		
L2374408	SO	OS-SS-12-Z36-42 *	L2374408-08	12/13/2023 10:48		
L2374408	SO	OS-SS-12-Z42-48 *	L2374408-09	12/13/2023 10:50		
L2374408	SO	SB63-Z12-24	L2374408-10	12/13/2023 11:49		
L2374408	SO	SB63-Z24-36	L2374408-11	12/13/2023 11:51		
L2374408	SO	SB63-Z12-24-Q	L2374408-12	12/13/2023 11:47	FD	
L2374408	SO	SB73-Z0-2	L2374408-13	12/13/2023 11:58	MS/MSD/ LR	
L2374408	SO	SB73-Z6-12	L2374408-14	12/13/2023 12:00		
L2374408	SO	SB73-Z12-24	L2374408-15	12/13/2023 12:02		
L2374408	SO	SB73-Z24-36 *	L2374408-16	12/13/2023 12:04		
L2374408	SO	SB74-Z0-2	L2374408-17	12/13/2023 12:30		
L2374408	SO	SB74-Z6-12	L2374408-18	12/13/2023 12:32		
L2374408	SO	SB74-Z12-18	L2374408-19	12/13/2023 12:34		
L2374408	SO	SB72-Z0-2	L2374408-20	12/13/2023 12:06		
L2374408	SO	SB72-Z6-12	L2374408-21	12/13/2023 12:08		
L2374408	SO	SB72-Z12-24	L2374408-22	12/13/2023 12:10		
L2374408	SO	SB72-Z24-36 *	L2374408-23	12/13/2023 12:12		
L2374408	SO	SB75-Z0-2	L2374408-24	12/13/2023 12:40		
L2374408	SO	SB75-6-12	L2374408-25	12/13/2023 12:42		
L2374408	SO	SB75-Z12-18	L2374408-26	12/13/2023 12:44		
L2374408	SO	OS-SS-20-Z6-12	L2374408-27	12/13/2023 13:06		
L2374408	SO	OS-SS-20-Z12-24	L2374408-28	12/13/2023 13:08		
L2374408	SO	OS-SS-20-Z24-36 *	L2374408-29	12/13/2023 13:10		

* Sample was placed on hold.

Data Usability Summary Report	Project: Loucks Road
Date Completed: March 11, 2024	Completed by: Tunde Komuves-Sandor

Table 1A Sample Test Summary

Work Orders	Matrix	Test Method	Method Name	Number of Samples	Sample Type
L2374408	SO	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	22	N/FD
L2374408	SO	A2540G	Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	22	N/FD

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes.
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs Equipment Blank - 1/ set of samples per day?	The frequency of field QC will be evaluated at the end of project. 1 FD per 29 samples. 1 MS/MSD per 29 samples. 0 rinsate blank collected.
Case narrative present and complete?	Yes.
Any holding time violations?	No.

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2)
- Surrogates Outside Limits (Table 3)
- MS/MSD and RPD Outside Limits (Table 4)
- LCS / ICV/CCV Recoveries Outside Limits (Table 5)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Go to List

PCB Aroclors by GC/ECD – Method 8082A	
Description	**Notes and Qualifiers**
Are any compounds present in method blanks as noted on Table 2?	No.
For samples, if results are <5 times the blank then "U" flag data.	Not applicable.
Are surrogates for method blanks and LCS within limits?	Yes.
Are surrogates for samples and MS/MSD within limits? (See Table 3). Matrix effects should be established.	No. Surrogate recovery values are below criteria in the samples listed in Table 3. Data qualification is not required because, in both cases, the surrogates were diluted below the calibration range.
Is laboratory QC frequency one blank and LCS with each batch and one MS/MSD per 20 samples?	Yes.
Are MS/MSD within QC criteria (see Table 4 and 4A)? If out and LCS is compliant, then J flag positive data in original sample due to matrix.	Yes.
Is LCS within QC criteria (see Table 5 and 5A)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes.
Is initial calibration for target compounds <20 %RSD or curve fit? Is initial calibration verification <20%D?	No. Curve linearity acceptable. Several ICV standard percent difference values are outside criteria, see table 5c for qualifications.
Is continuing calibration for target compounds <20%D? (See Table 5C)	No, however it is not applicable to any field samples. Therefore, no qualifications are required.
Were any samples re-analyzed or diluted (see Table 6)? For any sample re-analysis and dilutions is only one reportable result by flagged?	Yes.
Spot check retention time windows and second column confirmations as complete.	Yes.
Do field duplicate results show good precision for all compounds (see Table 7)?	Yes, field duplicates were non-detect.

Quantitation Limits and Data Assessment: Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the PCB analyses. These results were qualified as estimated (J) by the laboratory.

Data Validation Qualifiers Definitions:

U - The analyte was analyzed for, but due to blank contamination was flagged as non-detect (U). The result is usable as a non-detect.

J – The analyte QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. The 'J' qualified data may be biased high (+) or low (-) or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. The analyte QC analysis fails outside the primary acceptance limits. The "UJ" qualified data are not excluded from further review or consideration. The 'UJ' qualified data may be biased low.

Data Usability Summary Report	Project: Loucks Road
Date Completed: March 11, 2024	Completed by: Tunde Komuves-Sandor

Summary of Findings
8082A • Data quality is acceptable, the sample results are useable as qualified. Multiple samples were qualified UJ (estimated non-detect) due to ICV recoveries being above QC limits, see table 5C. • ICVs/CCVs with %D >20 surrogates were not qualified; QC sample results are not qualified based on surrogate recovery. • Both the filed duplicate (SB63-Z12-24-Q) and its parent sample (SB63-Z12-24) were non-detect for all analytes.

Table 2 - List of Positive Results for Blank Samples
None.

Table 2A - List of Samples Qualified for Method Blank Contamination
None.

Table 2B - List of Samples Qualified for Field Blank Contamination
None.

Table 3 - List of Samples with Surrogates outside Control Limits

Method	Sample ID	Sample Type	Analyte	Rec %	Low Limit	High Limit	Dil Fac	Qualifier
8082A	L2374408-06	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	20	None – Diluted Out
8082A	L2374408-27	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	20	None – Diluted Out

Table 4A – List of MS/MSD Recoveries outside Control Limits
None.

Table 4B – List of MS/MSD RPD outside Control Limits
None.

Table 5A – List of LCS Recoveries outside Control Limits
None.

Table 5B – List of LCS RPD outside Control Limits
None.

Table 5C – List of ICV/CCV Recoveries outside Control Limits

Method	Sample Name	Sample Type	Analyte	Peak	Column	Rec.	%D Limit	Associated Samples	Sample Qualifier
8082A	R1761176-40	ICV	Aroclor-1260	3	1	22.4	20	OS-SS-20-Z6-12 SB63-Z12-24 SB63-Z24-36 SB63-Z12-24-Q SB73-Z6-12 SB73-Z12-24 SB74-Z0-2 SB74-Z6-12 SB74-Z12-18	UJ
8082A	R1761176-40	ICV	Aroclor-1260	4	1	21.7	20		
8082A	R1761176-40	ICV	Aroclor-1260	4	2	23.3	20		
8082A	R1776251-34	ICV	Aroclor-1260	3	1	21.9	20	SB75-Z0-2 SB75-6-12 SB75-Z12-18 OS-SS-20-Z12-24	UJ
8082A	R1777871-37	ICV	Aroclor-1232	1	1	20.8	20	SB43-Z60-66 SB59-Z0-2 SB59-Z6-12 OS-SS-12-Z24-36 OS-SS-12-Z12-24 SB73-Z0-2 SB72-Z0-2 SB72-Z6-12 SB72-Z12-24	UJ
8082A	R1777871-37	ICV	Aroclor-1232	1	2	21.7	20		
8082A	WG1866826-1	CCV	Aroclor-1016	4	1	22.0	20	WG1865578-2 LCS WG1865578-3 LCSD WG1866092-1 BLANK WG1866092-2 LCS WG1866092-3 LCSD	NA
8082A	WG1866826-1	CCV	Aroclor-1016	5	1	20.5	20		NA

Table 6 –Samples that were Re-analyzed/Diluted

Sample ID	Lab ID	Method	Sample Type	Action
OS-SS-12-Z12-24	L2374408-06	8082A	N	20X: Diluted to bring target analytes within calibration range
SB73-Z0-2	L2374408-13	8082A	N	5X: Diluted to bring target analytes within calibration range
OS-SS-20-Z6-12	L2374408-27	8082A	N	20X: Diluted to bring target analytes within calibration range

Table 7 – Summary of Field Duplicate Results
None, field duplicate and parent sample are all non-detect.

Acronym List and Table Key:

CCV	=	continuing calibration verification
COC	=	chain of custody
DUSR	=	data usability summary report
FD	=	field duplicate
GC/MS	=	gas chromatography / mass spectrometry
ICV	=	initial calibration verification
LCS	=	laboratory control sample
LR	=	
MB	=	method blank
MDL	=	method detection limit
µg/kg	=	micrograms per kilogram
MS	=	matrix spike
MSD	=	matrix spike duplicate
N	=	normal (field) sample
NC	=	not calculated
ND	=	not detected
NYSDEC	=	New York State Department of Environmental Conservation
PQL	=	practical quantitation limit
QA	=	quality assurance
QAPP	=	quality assurance project plan
QC	=	quality control
RPD	=	relative percent difference
SDG	=	sample delivery group
SO	=	soil
SQ	=	soil quality control
TRG	=	target compound
%D	=	percent difference
%RSD	=	percent relative standard deviation
WH	=	rinse blank water
WQ	=	water quality control

Data Usability Summary Report	Project: Loucks Road
Date Completed: February 28, 2024	Completed by: Tunde Komuves-Sandor

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOP
    - *SOP NO. HW-37A, Rev. 0, Polychlorinated Biphenyl (PCB) Aroclor Data Validation*

The data validation was performed under Category B guidelines. Specific criteria for QC limits were obtained from the master QAPP. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

Reference:

Project ID	Lab Work Order	Laboratory Report
EE1705007.0032	L2374435	Alpha Analytical

Table 1 Sample Listing Summary

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Field QC	ID Corrections
L2374435	SO	SB71-Z0-2	L2374435-01	12/13/2023 12:50		
L2374435	SO	SB71-Z6-12	L2374435-02	12/13/2023 12:52		
L2374435	SO	SB71-Z12-24	L2374435-03	12/13/2023 12:54		
L2374435	SO	SB71-Z24-36 *	L2374435-04	12/13/2023 12:56		
L2374435	SO	SB70-Z0-2	L2374435-05	12/13/2023 12:58		
L2374435	SO	SB70-Z6-12	L2374435-06	12/13/2023 13:00		
L2374435	SO	SB70-Z12-24	L2374435-07	12/13/2023 13:02		
L2374435	SO	SB70-Z24-36 *	L2374435-08	12/13/2023 13:04		
L2374435	SO	SB71-Z12-24-Q	L2374435-09	12/13/2023 12:48	FD	
L2374435	WH	RINSTATE_12132023	L2374435-10	12/13/2023 14:40	FB	
L2374435	SO	OS-SS-21-Z6-12	L2374435-11	12/13/2023 13:12		
L2374435	SO	OS-SS-21-Z12-24	L2374435-12	12/13/2023 13:14		
L2374435	SO	OS-SS-21-Z24-36 *	L2374435-13	12/13/2023 13:16		
L2374435	SO	SB69-Z0-2	L2374435-14	12/13/2023 13:20		
L2374435	SO	SB69-Z6-12	L2374435-15	12/13/2023 13:22		
L2374435	SO	SB69-Z12-24	L2374435-16	12/13/2023 13:24		
L2374435	SO	SB69-Z24-36 *	L2374435-17	12/13/2023 13:26		
L2374435	SO	SB68-Z0-2	L2374435-18	12/13/2023 13:28	MS/MSD/ LR	
L2374435	SO	SB68-Z6-12	L2374435-19	12/13/2023 13:30		
L2374435	SO	SB68-Z12-24	L2374435-20	12/13/2023 13:32		
L2374435	SO	SB68-Z24-36 *	L2374435-21	12/13/2023 13:34		
L2374435	SO	OS-SS-22-Z6-12	L2374435-22	12/14/2023 10:10		
L2374435	SO	OS-SS-22-Z12-24	L2374435-23	12/14/2023 10:12		
L2374435	SO	OS-SS-22-Z24-36 *	L2374435-24	12/14/2023 10:14		
L2374435	SO	OS-SS-22-Z36-42 *	L2374435-25	12/14/2023 10:16		
L2374435	SO	SB24-Z42-48	L2374435-26	12/14/2023 10:18		
L2374435	SO	SB24-Z48-54	L2374435-27	12/14/2023 10:20		
L2374435	SO	SB24-Z54-60 *	L2374435-28	12/14/2023 10:22		
L2374435	SO	OS-SS-07-Z6-12	L2374435-29	12/14/2023 10:26	LR	
L2374435	SO	OS-SS-07-Z12-24	L2374435-30	12/14/2023 10:28		

* Sample was placed on hold.

Data Usability Summary Report	Project: Loucks Road
Date Completed: February 28, 2024	Completed by: Tunde Komuves-Sandor

Table 1A Sample Test Summary

Work Orders	Matrix	Test Method	Method Name	Number of Samples	Sample Type
L2374435	SO	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	21	N/FD
L2374435	WH	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	1	RB
L2374435	SO	A2540G	Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	21	N/FD

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	No. The field duplicate sample SB71-Z12-24-Q (L2374435-09) was written as SB71-Z12-24 on the COC, vials were labeled correctly. For samples OS-SS-21-Z12-24 (L2374435-12) and OS-SS-21-Z24-36 (L2374435-13) the sample labels indicated the sample time as 13:12, the COC indicated the sample times as 13:14 and 13:16 respectively. The laboratory logged in the samples with the times listed on the COC.
Did coolers arrive at lab between 2 and 6ºC and in good condition as indicated on COC and Cooler Receipt Form?	Yes.
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs Equipment Blank - 1/ set of samples per day?	The frequency of field QC will be evaluated at the end of project. 1 FD per 30 samples. 1 MS/MSD per 30 samples. 1 rinsate blank collected.
Case narrative present and complete?	Yes.
Any holding time violations?	No.

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2)
- Surrogates Outside Limits (Table 3)
- MS/MSD and RPD Outside Limits (Table 4)
- LCS / ICV/CCV Recoveries Outside Limits (Table 5)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Go to List

PCB Aroclors by GC/ECD – Method 8082A	
Description	**Notes and Qualifiers**
Are any compounds present in method blanks as noted on Table 2?	No.
For samples, if results are <5 times the blank then "U" flag data.	Not applicable.
Are surrogates for method blanks and LCS within limits?	Yes.
Are surrogates for samples and MS/MSD within limits? (See Table 3). Matrix effects should be established.	Yes.
Is laboratory QC frequency one blank and LCS with each batch and one MS/MSD per 20 samples?	Yes.
Are MS/MSD within QC criteria (see Table 4 and 4A)? If out and LCS is compliant, then J flag positive data in original sample due to matrix.	Yes.
Is LCS within QC criteria (see Table 5 and 5A)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes.
Is initial calibration for target compounds <20 %RSD or curve fit? Is initial calibration verification <20%D?	No. Linearity acceptable. Several ICV %D values are outside criteria, see Table 5C.
Is continuing calibration for target compounds <20%D? (See Table 5C)	No, see Table 5c
Were any samples re-analyzed or diluted (see Table 6)? For any sample re-analysis and dilutions is only one reportable result by flagged?	Yes, see Table 6
Spot check retention time windows and second column confirmations as complete.	Yes.
Do field duplicate results show good precision for all compounds (see Table 7)?	No, see Table 7

Quantitation Limits and Data Assessment: Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the PCB analyses. These results were qualified as estimated (J) by the laboratory.

Data Validation Qualifiers Definitions:

U - The analyte was analyzed for, but due to blank contamination was flagged as non-detect (U). The result is usable as a non-detect.

J – The analyte QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. The ‘J’ qualified data may be biased high (+) or low (-) or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. The analyte QC analysis fails outside the primary acceptance limits. The "UJ" qualified data are not excluded from further review or consideration. The 'UJ' qualified data may be biased low.

Data Usability Summary Report	Project: Loucks Road
Date Completed: February 28, 2024	Completed by: Tunde Komuves-Sandor

Summary of Findings

8082A

- Data quality is acceptable. The sample results are usable as qualified.
- Samples were qualified for ICV/CCV for being above QC criteria.
- ICVs/CCVs with %D >20 surrogates were not qualified; QC sample results are not qualified based on surrogate recovery.
- Duplicate samples SB71-Z12-24 / SB71-Z12-24-Q were qualified for AROCLOR 1248 and Total PCBs, RPD outside QC criteria.
- One sample, SB70-Z6-12 needed dilution to bring target analytes within calibration range, no qualification necessary.

Table 2 - List of Positive Results for Blank Samples
None.

Table 2A - List of Samples Qualified for Method Blank Contamination
None.

Table 2B - List of Samples Qualified for Field Blank Contamination
None.

Table 3 - List of Samples with Surrogates outside Control Limits
None.

Table 4A – List of MS/MSD Recoveries outside Control Limits
None.

Table 4B – List of MS/MSD RPD outside Control Limits
None.

Table 5A – List of LCS Recoveries outside Control Limits
None.

Table 5B – List of LCS RPD outside Control Limits
None.

Table 5C – List of ICV/CCV Recoveries outside Control Limits

Method	Sample Name	Sample Type	Analyte	Peak	Column	Rec.	%D Limit	Associated Samples	Sample Qualifier
8082A	R1761176-40	ICV	Aroclor-1260	3	1	22.4	20	SB70-Z6-12	UJ
8082A	R1761176-40	ICV	Aroclor-1260	4	1	21.7	20		
8082A	R1761176-40	ICV	Aroclor-1260	4	2	23.3	20		
8082A	R1776251-34	ICV	Aroclor-1260	3	1	21.9	20	SB71-Z0-2 SB71-Z6-12 SB71-Z12-24 SB70-Z0-2 SB70-Z12-24 SB71-Z12-24-Q OS-SS-21-Z6-12	UJ
8082A	R1776813-13	ICV	Aroclor-1248	1	1	21.5	20	RINSATE_12132023	NA

Method	Sample Name	Sample Type	Analyte	Peak	Column	Rec.	%D Limit	Associated Samples	Sample Qualifier
8082A	R1776813-15	ICV	Aroclor-1260	3	1	22.5	20		NA
8082A	WG1866826-2	CCV	Aroclor-1016	2	1	22	20	SB68-Z0-2 OS-SS-21-Z12-24 SB69-Z0-2 SB69-Z6-12 SB69-Z12-24 SB68-Z6-12 SB68-Z12-24 OS-SS-22-Z6-12 OS-SS-22-Z12-24 SB24-Z42-48 SB24-Z48-54 OS-SS-07-Z6-12 OS-SS-07-Z12-24	UJ
8082A	WG1866826-2	CCV	Aroclor-1016	5	1	20.5	20		
8082A	WG1866749-2	CCV	Aroclor-1016	2	1	20.7	20	SB71-Z0-2 SB71-Z6-12 SB71-Z12-24 SB70-Z0-2 SB70-Z12-24 SB71-Z12-24-Q OS-SS-21-Z6-12	UJ
8082A	WG1869755-1	CCV	Aroclor-1260	1	2	42.1	20	RINSATE_12132023	NA

Table 6 –Samples that were Re-analyzed/Diluted

Sample ID	Lab ID	Method	Sample Type	Action
SB70-Z6-12	L2374435-06	8082A	N	5X: Diluted to bring target analytes within calibration range

Table 7 – Summary of Field Duplicate Results

Method	Analyte	Unit	Matrix	PQL	SB71-Z12-24	SB71-Z12-24-Q	RPD	RPD Rating	Sample Qual
8082A	AROCLOR 1248	ug/kg	SO	55	49	14.9	106.7%	Poor	J
8082A	PCBS, TOTAL	ug/kg	SO	55	49	14.9	106.7%	Poor	J
A2540G	total solids	percent	SO	0.1	84.5	82.4	2.5%	Good	None

Data Usability Summary Report	Project: Loucks Road
Date Completed: February 28, 2024	Completed by: Tunde Komuves-Sandor

Acronym List and Table Key:

CCV	=	continuing calibration verification
COC	=	chain of custody
DUSR	=	data usability summary report
FD	=	field duplicate
GC/MS	=	gas chromatography / mass spectrometry
ICV	=	initial calibration verification
LCS	=	laboratory control sample
MB	=	method blank
MDL	=	method detection limit
µg/kg	=	micrograms per kilogram
LR	=	
MS	=	matrix spike
MSD	=	matrix spike duplicate
N	=	normal (field) sample
NC	=	not calculated
ND	=	not detected
NYSDEC	=	New York State Department of Environmental Conservation
PQL	=	practical quantitation limit
QA	=	quality assurance
QAPP	=	quality assurance project plan
QC	=	quality control
RPD	=	relative percent difference
SDG	=	sample delivery group
SO	=	soil
SQ	=	soil quality control
TRG	=	target compound
%D	=	percent difference
%RSD	=	percent relative standard deviation
WH	=	rinse blank water
WQ	=	water quality control

Data Usability Summary Report	Project: Loucks Road
Date Completed: February 29, 2024	Completed by: Tunde Komuves-Sandor

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOP
    - *SOP NO. HW-37A, Rev. 0, Polychlorinated Biphenyl (PCB) Aroclor Data Validation*

The data validation was performed under Category B guidelines. Specific criteria for QC limits were obtained from the master QAPP. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

Reference:

Project ID	Lab Work Order	Laboratory Report
EE1705007.0032	L2374445	Alpha Analytical

Table 1 Sample Listing Summary

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Field QC	ID Corrections
L2374445	SO	OS-SS-07-Z24-36 *	L2374445-01	12/14/2023 10:30		
L2374445	SO	SB17-Z48-54	L2374445-02	12/14/2023 10:38		
L2374445	SO	SB17-Z54-60	L2374445-03	12/14/2023 10:40		
L2374445	SO	SB17-Z60-66 *	L2374445-04	12/14/2023 10:42	LR	
L2374445	SO	SB17-Z66-72 *	L2374445-05	12/14/2023 10:44		
L2374445	SO	SB15-Z0-2	L2374445-06	12/14/2023 10:46		
L2374445	SO	SB15-Z12-24	L2374445-07	12/14/2023 10:48		
L2374445	SO	SB15-Z24-36	L2374445-08	12/14/2023 10:50		
L2374445	SO	SB15-Z36-48	L2374445-09	12/14/2023 10:52		
L2374445	SO	SB15-Z48-54	L2374445-10	12/14/2023 10:54		
L2374445	SO	SB15-Z54-60	L2374445-11	12/14/2023 10:56		
L2374445	SO	SB15-Z60-66 **	L2374445-12	12/14/2023 10:58		
L2374445	SO	SB15-Z66-72 **	L2374445-13	12/14/2023 11:00		
L2374445	SO	SB15-Z72-78 *	L2374445-14	12/14/2023 11:02		
L2374445	SO	SB13-Z42-48	L2374445-15	12/14/2023 11:24		
L2374445	SO	SB13-Z48-54	L2374445-16	12/14/2023 11:26		
L2374445	SO	SB13-Z54-60	L2374445-17	12/14/2023 11:28		
L2374445	SO	SB13-Z60-66 *	L2374445-18	12/14/2023 11:30		
L2374445	SO	SB13-Z66-72 *	L2374445-19	12/14/2023 11:32		
L2374445	SO	SB13-Z72-78 *	L2374445-20	12/14/2023 11:33		
L2374445	SO	OS-SS-03-Z6-12	L2374445-21	12/14/2023 11:04		
L2374445	SO	OS-SS-03-Z12-24	L2374445-22	12/14/2023 11:06		
L2374445	SO	OS-SS-03-Z24-36	L2374445-23	12/14/2023 11:08		
L2374445	SO	OS-SS-03-Z36-42 **	L2374445-24	12/14/2023 11:10		
L2374445	SO	OS-SS-03-Z42-48 **	L2374445-25	12/14/2023 11:12		
L2374445	SO	OS-SS-03-Z48-54 **	L2374445-26	12/14/2023 11:14		
L2374445	SO	OS-SS-03-Z54-60 **	L2374445-27	12/14/2023 11:16		
L2374445	SO	OS-SS-03-Z60-66 **	L2374445-28	12/14/2023 11:18		
L2374445	SO	OS-SS-03-Z66-72 *	L2374445-29	12/14/2023 11:20		
L2374445	SO	OS-SS-03-Z72-78 *	L2374445-30	12/14/2023 11:22		

* Sample was placed on hold.
** Sample was placed on hold, then subsequently analyzed.

Data Usability Summary Report	Project: Loucks Road
Date Completed: February 29, 2024	Completed by: Tunde Komuves-Sandor

Table 1A Sample Test Summary

Work Orders	Matrix	Test Method	Method Name	Number of Samples	Sample Type
L2374445	SO	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	22	N
L2374445	SO	A2540G	Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	22	N

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes.
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs Equipment Blank - 1/ set of samples per day?	The frequency of field QC will be evaluated at the end of project. No Field QC samples were collected as part of this SDG.
Case narrative present and complete?	Yes.
Any holding time violations?	No.

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2)
- Surrogates Outside Limits (Table 3)
- MS/MSD and RPD Outside Limits (Table 4)
- LCS / ICV/CCV Recoveries Outside Limits (Table 5)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Go to List

PCB Aroclors by GC/ECD – Method 8082A	
Description	**Notes and Qualifiers**
Are any compounds present in method blanks as noted on Table 2?	No.
For samples, if results are <5 times the blank then "U" flag data.	Not applicable.
Are surrogates for method blanks and LCS within limits?	Yes.
Are surrogates for samples and MS/MSD within limits? (See Table 3). Matrix effects should be established.	No. Surrogate recovery values are below criteria in the samples listed in Table 3. Data qualification is not required because, in all cases, the surrogates were diluted below the calibration range. MS/MSDs were not provided/designated as part of this SDG.
Is laboratory QC frequency one blank and LCS with each batch and one MS/MSD per 20 samples?	Yes. MS/MSDs analyzed by the laboratory are not associated with this project.
Are MS/MSD within QC criteria (see Table 4 and 4A)? If out and LCS is compliant, then J flag positive data in original sample due to matrix.	Not applicable.
Is LCS within QC criteria (see Table 5 and 5A)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes.
Is initial calibration for target compounds <20 %RSD or curve fit? Is initial calibration verification <20%D?	No. Linearity acceptable. Several ICV %Ds are outside criteria, see Table 5C
Is continuing calibration for target compounds <20%D? (See Table 5C)	No, see Table 5C
Were any samples re-analyzed or diluted (see Table 6)? For any sample re-analysis and dilutions is only one reportable result by flagged?	Yes.
Spot check retention time windows and second column confirmations as complete.	Yes.
Do field duplicate results show good precision for all compounds (see Table 7)?	NA, field duplicates were not collected with the samples.

Quantitation Limits and Data Assessment: Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the PCB analyses. These results were qualified as estimated (J) by the laboratory.

Data Validation Qualifiers Definitions:

U - The analyte was analyzed for, but due to blank contamination was flagged as non-detect (U). The result is usable as a non-detect.

J – The analyte QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. The 'J' qualified data may be biased high (+) or low (-) or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. The analyte QC analysis fails outside the primary acceptance limits. The "UJ" qualified data are not excluded from further review or consideration. The 'UJ' qualified data may be biased low.

Data Usability Summary Report	Project: Loucks Road
Date Completed: February 29, 2024	Completed by: Tunde Komuves-Sandor

Summary of Findings

8082A

- Data quality is acceptable. The data are usable as qualified.
- There were no project specific MS/MSDs, Field Duplicates or equipment/rinse blanks associated with this SDG. The laboratory used non project related MS/MSDs for laboratory QC purposes.
- Non-recovery of surrogates occurred due to sample dilutions, there is no other action but to note.
- ICV/CCV exceedances and resulting qualifications are noted in Table 5C below.
- ICVs/CCVs with %D >20 surrogates were not qualified; QC sample results are not qualified based on surrogate recovery.

Table 2 - List of Positive Results for Blank Samples
None.

Table 2A - List of Samples Qualified for Method Blank Contamination
None.

Table 2B - List of Samples Qualified for Field Blank Contamination
None.

Table 3 - List of Samples with Surrogates outside Control Limits

Method	Sample ID	Sample Type	Analyte	Rec %	Low Limit	High Limit	Dil Fac	Qualifier
8082A	L2374445-02	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	100	None – Diluted Out
8082A	L2374445-06	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	100	None – Diluted Out
8082A	L2374445-07	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	100	None – Diluted Out
8082A	L2374445-08	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	100	None – Diluted Out
8082A	L2374445-09	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	500	None – Diluted Out
8082A	L2374445-10	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	100	None – Diluted Out
8082A	L2374445-11	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	20	None – Diluted Out
8082A	L2374445-15	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	100	None – Diluted Out
8082A	L2374445-21	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	500	None – Diluted Out
8082A	L2374445-22	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	500	None – Diluted Out
8082A	L2374445-23	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	500	None – Diluted Out
8082A	L2374445-24	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	100	None – Diluted Out
8082A	L2374445-25	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	100	None – Diluted Out
8082A	L2374445-26	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	100	None – Diluted Out

Table 4A – List of MS/MSD Recoveries outside Control Limits
None.

Table 4B – List of MS/MSD RPD outside Control Limits
None.

Table 5A – List of LCS Recoveries outside Control Limits
None.

Table 5B – List of LCS RPD outside Control Limits
None.

Table 5C – List of ICV/CCV Recoveries outside Control Limits

Method	Sample Name	Sample Type	Analyte	Peak	Column	Rec.	%D Limit	Associated Samples	Sample Qualifier
8082A	R1761176-40	ICV	Aroclor-1260	3	1	22.4	20	SB17-Z54-60 SB15-Z60-66 SB15-Z66-72 OS-SS-03-Z60-66 OS-SS-03-Z36-42 OS-SS-03-Z42-48 OS-SS-03-Z48-54	UJ
8082A	R1761176-40	ICV	Aroclor-1260	4	1	21.7	20		
8082A	R1761176-40	ICV	Aroclor-1260	4	2	23.3	20		
8082A	R1761176-40	ICV	Aroclor-1260	3	1	22.4	20	SB17-Z60-66 OS-SS-03-Z54-60	J
8082A	R1761176-40	ICV	Aroclor-1260	4	1	21.7	20		
8082A	R1761176-40	ICV	Aroclor-1260	4	2	23.3	20		
8082A	R1777871-37	ICV	Aroclor-1232	1	1	20.8	20	SB13-Z48-54 SB13-Z54-60 OS-SS-03-Z24-36 OS-SS-03-Z12-24 OS-SS-03-Z6-12	UJ

Data Usability Summary Report	Project: Loucks Road
Date Completed: February 29, 2024	Completed by: Tunde Komuves-Sandor

Method	Sample Name	Sample Type	Analyte	Peak	Column	Rec.	%D Limit	Associated Samples	Sample Qualifier
8082A	R1777871-37	ICV	Aroclor-1232	1	2	21.7	20	SB15-Z12-24 SB15-Z36-48 SB15-Z0-2 SB15-Z54-60 SB13-Z42-48 SB15-Z48-54 SB15-Z24-36	
8082A	WG1866826-2 PEST 23	CCV	Aroclor-1016	2	1	22	20	SB17-Z48-54	UJ
8082A	WG1866826-2 PEST 23	CCV	Aroclor-1016	5	1	20.5	20		
8082A	WG1869718-2 PEST 19	CCV	Aroclor-1260	4	1	20.2	20	SB15-Z60-66 SB15-Z66-72 OS-SS-03-Z60-66 OS-SS-03-Z36-42 OS-SS-03-Z42-48 OS-SS-03-Z48-54	UJ
8082A	WG1869718-2 PEST 19	CCV	Aroclor-1260	4	2	20.9	20		
8082A	WG1869718-2 PEST 19	CCV	Aroclor-1260	5	2	20.9	20		
8082A	WG1869718-2 PEST 19	CCV	Aroclor-1260	4	1	20.2	20	SB17-Z60-66 OS-SS-03-Z54-60	J
8082A	WG1869718-2 PEST 19	CCV	Aroclor-1260	4	2	20.9	20		
8082A	WG1869718-2 PEST 19	CCV	Aroclor-1260	5	2	20.9	20		

Table 6 –Samples that were Re-analyzed/Diluted

Sample ID	Lab ID	Method	Sample Type	Action
SB17-Z48-54	L2374445-02	8082A	N	100X: Diluted to bring target analytes within calibration range
SB15-Z0-2	L2374445-06	8082A	N	100X: Diluted to bring target analytes within calibration range
SB15-Z12-24	L2374445-07	8082A	N	500X: Diluted to bring target analytes within calibration range
SB15-Z24-36	L2374445-08	8082A	N	100X: Diluted to bring target analytes within calibration range
SB15-Z36-48	L2374445-09	8082A	N	500X: Diluted to bring target analytes within calibration range
SB15-Z48-54	L2374445-10	8082A	N	100X: Diluted to bring target analytes within calibration range
SB15-Z54-60	L2374445-11	8082A	N	20X: Diluted to bring target analytes within calibration range
SB13-Z42-48	L2374445-15	8082A	N	100X: Diluted to bring target analytes within calibration range
OS-SS-03-Z6-12	L2374445-21	8082A	N	500X: Diluted to bring target analytes within calibration range

Table 6 –Samples that were Re-analyzed/Diluted

Sample ID	Lab ID	Method	Sample Type	Action
OS-SS-03-Z12-24	L2374445-22	8082A	N	500X: Diluted to bring target analytes within calibration range
OS-SS-03-Z24-36	L2374445-23	8082A	N	500X: Diluted to bring target analytes within calibration range
OS-SS-03-Z36-42	L2374445-24	8082A	N	100X: Diluted to bring target analytes within calibration range
OS-SS-03-Z42-48	L2374445-25	8082A	N	100X: Diluted to bring target analytes within calibration range
OS-SS-03-Z48-54	L2374445-26	8082A	N	100X: Diluted to bring target analytes within calibration range

Table 7 – Summary of Field Duplicate Results

None.

Acronym List and Table Key:

CCV	=	continuing calibration verification
COC	=	chain of custody
DUSR	=	data usability summary report
FD	=	field duplicate
GC/MS	=	gas chromatography / mass spectrometry
ICV	=	initial calibration verification
LCS	=	laboratory control sample
MB	=	method blank
MDL	=	method detection limit
µg/kg	=	micrograms per kilogram
MS	=	matrix spike
MSD	=	matrix spike duplicate
N	=	normal (field) sample
NC	=	not calculated
ND	=	not detected
NYSDEC	=	New York State Department of Environmental Conservation
PQL	=	practical quantitation limit
QA	=	quality assurance
QAPP	=	quality assurance project plan
QC	=	quality control
RPD	=	relative percent difference
SDG	=	sample delivery group
SO	=	soil
SQ	=	soil quality control
TRG	=	target compound
%D	=	percent difference
%RSD	=	percent relative standard deviation
WH	=	rinse blank water
WQ	=	water quality control

Data Usability Summary Report	Project: Loucks Road
Date Completed: March 1, 2024	Completed by: Tunde Komuves-Sandor

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOP
    - *SOP NO. HW-37A, Rev. 0, Polychlorinated Biphenyl (PCB) Aroclor Data Validation*

The data validation was performed under Category B guidelines. Specific criteria for QC limits were obtained from the master QAPP. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

Reference:

Project ID	Lab Work Order	Laboratory Report
EE1705007.0032	L2374447	Alpha Analytical

Table 1 Sample Listing Summary

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Field QC	ID Corrections
L2374447	SO	SB11-Z48-54	L2374447-01	12/14/2023 11:34		
L2374447	SO	SB11-Z54-60	L2374447-02	12/14/2023 11:36		
L2374447	SO	SB11-Z60-66 *	L2374447-03	12/14/2023 11:38		
L2374447	SO	SB11-Z66-72 *	L2374447-04	12/14/2023 11:40		
L2374447	SO	SB09-Z48-54	L2374447-05	12/14/2023 11:42		
L2374447	SO	SB09-Z54-60	L2374447-06	12/14/2023 11:44		
L2374447	SO	SB09-Z60-66 *	L2374447-07	12/14/2023 11:46		
L2374447	SO	SB09-Z66-72 *	L2374447-08	12/14/2023 11:48		
L2374447	SO	SB10-Z48-54	L2374447-09	12/14/2023 11:50		
L2374447	SO	SB10-Z54-60	L2374447-10	12/14/2023 11:52		
L2374447	SO	SB10-Z60-66 *	L2374447-11	12/14/2023 11:54		
L2374447	SO	SB10-Z66-72 *	L2374447-12	12/14/2023 11:56		
L2374447	SO	SB08-Z36-42	L2374447-13	12/14/2023 11:58		
L2374447	SO	SB08-Z42-48	L2374447-14	12/14/2023 12:00		
L2374447	SO	SB06-Z36-42	L2374447-15	12/14/2023 12:06		
L2374447	SO	SB06-Z48-54	L2374447-16	12/14/2023 12:08		
L2374447	SO	SB06-Z54-60 *	L2374447-17	12/14/2023 12:10		
L2374447	WH	SB06-Z60-66 *	L2374447-18	12/14/2023 12:12		
L2374447	SO	SB67-Z0-2	L2374447-19	12/14/2023 12:16	MS/MSD/ LR	
L2374447	SO	SB67-Z6-12	L2374447-20	12/14/2023 12:18		
L2374447	SO	SB67-Z12-24	L2374447-21	12/14/2023 12:20		
L2374447	SO	SB67-Z24-36 *	L2374447-22	12/14/2023 12:22		
L2374447	SO	SB66-Z0-2	L2374447-23	12/14/2023 12:24		
L2374447	SO	SB66-Z6-12	L2374447-24	12/14/2023 12:26		
L2374447	SO	SB66-Z12-24	L2374447-25	12/14/2023 12:28		
L2374447	SO	SB66-Z24-36 *	L2374447-26	12/14/2023 12:30		
L2374447	SO	SB66-Z36-42 *	L2374447-27	12/14/2023 12:32		
L2374447	SO	OS-SS-26-Z6-12	L2374447-28	12/14/2023 12:38		
L2374447	SO	OS-SS-26-Z12-24	L2374447-29	12/14/2023 12:40		
L2374447	SO	OS-SS-26-Z24-36 *	L2374447-30	12/14/2023 12:42		

* Sample was placed on hold.

Data Usability Summary Report	Project: Loucks Road
Date Completed: March 1, 2024	Completed by: Tunde Komuves-Sandor

Table 1A Sample Test Summary

Work Orders	Matrix	Test Method	Method Name	Number of Samples	Sample Type
L2374447	SO	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	19	N
L2374447	SO	A2540G	Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	19	N

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	No. Discrepancy between COC and sample labels. L2374447-28: OS-SS-26-Z vs. OS-SS-26-Z6-12 L2374447-29: OS-SS-26-Z vs. OS-SS-26-Z12-24 L2374447-30: OS-SS-26-Z vs. OS-SS-26-Z24-36
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes.
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs Equipment Blank - 1/ set of samples per day?	The frequency of field QC will be evaluated at the end of project. 1 MS/MSD per 30 samples. No field duplicate collected. No equipment blank collected.
Case narrative present and complete?	Yes.
Any holding time violations?	No.

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2)
- Surrogates Outside Limits (Table 3)
- MS/MSD and RPD Outside Limits (Table 4)
- LCS / ICV/CCV Recoveries Outside Limits (Table 5)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Go to List

PCB Aroclors by GC/ECD – Method 8082A	
Description	**Notes and Qualifiers**
Are any compounds present in method blanks as noted on Table 2?	No.
For samples, if results are <5 times the blank then "U" flag data.	Not applicable.
Are surrogates for method blanks and LCS within limits?	Yes.
Are surrogates for samples and MS/MSD within limits? (See Table 3). Matrix effects should be established.	No. Surrogate recovery values are below criteria in the samples listed in Table 3. Data qualification is not required because, in all cases, the surrogates were diluted below the calibration range.
Is laboratory QC frequency one blank and LCS with each batch and one MS/MSD per 20 samples?	Yes.
Are MS/MSD within QC criteria (see Table 4 and 4A)? If out and LCS is compliant, then J flag positive data in original sample due to matrix.	Yes.
Is LCS within QC criteria (see Table 5 and 5A)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes.
Is initial calibration for target compounds <20 %RSD or curve fit? Is initial calibration verification <20%D?	No. Linearity acceptable. Several ICV %Ds > 20, see Table 5C.
Is continuing calibration for target compounds <20%D? (See Table 5C)	Yes.
Were any samples re-analyzed or diluted (see Table 6)? For any sample re-analysis and dilutions is only one reportable result by flagged?	Yes, see Table 6.
Spot check retention time windows and second column confirmations as complete.	Yes.
Do field duplicate results show good precision for all compounds (see Table 7)?	Not applicable, no field duplicates collected as part of this SDG.

Quantitation Limits and Data Assessment: Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the PCB analyses. These results were qualified as estimated (J) by the laboratory.

Data Validation Qualifiers Definitions:

U - The analyte was analyzed for, but due to blank contamination was flagged as non-detect (U). The result is usable as a non-detect.

J – The analyte QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. The 'J' qualified data may be biased high (+) or low (-) or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. The analyte QC analysis fails outside the primary acceptance limits. The "UJ" qualified data are not excluded from further review or consideration. The 'UJ' qualified data may be biased low.

Data Usability Summary Report	Project: Loucks Road
Date Completed: March 1, 2024	Completed by: Tunde Komuves-Sandor

Summary of Findings
8082A • Data quality is acceptable. The sample results are useable as qualified. • No field duplicates or rinse blanks/field blanks were collected as part of this SDG. • Samples were qualified for ICVs being above QC criteria, see Table 5C. • ICVs/CCVs with %D >20 surrogates were not qualified; QC sample results are not qualified based on surrogate recovery.

Table 2 - List of Positive Results for Blank Samples
None.

Table 2A - List of Samples Qualified for Method Blank Contamination
None.

Table 2B - List of Samples Qualified for Field Blank Contamination
None.

Table 3 - List of Samples with Surrogates outside Control Limits

Method	Sample ID	Sample Type	Analyte	Rec %	Low Limit	High Limit	Dil Fac	Qualifier
8082A	SB09-Z48-54	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	100	None – Diluted Out
8082A	SB10-Z48-54	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	20	None – Diluted Out
8082A	SB08-Z36-42	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	100	None – Diluted Out
8082A	SB08-Z42-48	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	100	None – Diluted Out
8082A	OS-SS-26-Z6-12	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	20	None – Diluted Out

Table 4A – List of MS/MSD Recoveries outside Control Limits
None.

Table 4B – List of MS/MSD RPD outside Control Limits
None.

Table 5A – List of LCS Recoveries outside Control Limits
None.

Table 5B – List of LCS RPD outside Control Limits
None.

Data Usability Summary Report	Project: Loucks Road
Date Completed: March 1, 2024	Completed by: Tunde Komuves-Sandor

Table 5C – List of ICV/CCV Recoveries outside Control Limits

Method	Sample Name	Sample Type	Analyte	Peak	Column	Rec.	%D Limit	Associated Samples	Sample Qualifier
8082A	R1777871-37	ICV	Aroclor-1232	1	1	20.8	20	SB06-Z36-42 SB06-Z48-54 SB67-Z0-2 SB67-Z6-12 SB66-Z0-2 SB66-Z6-12 SB66-Z12-24 OS-SS-26-Z12-24 SB67-Z12-24 OS-SS-26-Z6-12 SB10-Z48-54	UJ
8082A	R1777871-37	ICV	Aroclor-1232	1	2	21.7	20		
8082A	R1761176-40	ICV	Aroclor-1260	3	1	22.4	20	SB67-Z24-36	J
8082A	R1761176-40	ICV	Aroclor-1260	4	1	21.7	20		
8082A	R1761176-40	ICV	Aroclor-1260	4	2	23.3	20		

ADD ICV ANAYZED 11-7-23 2:12 PM

Table 6 –Samples that were Re-analyzed/Diluted

Sample ID	Lab ID	Method	Sample Type	Action
SB09-Z48-54	L2374447-05	8082A	N	100X: Diluted to bring target analytes within calibration range
SB10-Z48-54	L2374447-09	8082A	N	20X: Diluted to bring target analytes within calibration range
SB08-Z36-42	L2374447-13	8082A	N	100X: Diluted to bring target analytes within calibration range
SB08-Z42-48	L2374447-14	8082A	N	100X: Diluted to bring target analytes within calibration range

Table 6 –Samples that were Re-analyzed/Diluted

Sample ID	Lab ID	Method	Sample Type	Action
SB67-Z12-24	L2374447-21	8082A	N	5X: Diluted to bring target analytes within calibration range
OS-SS-26-Z6-12	L2374447-28	8082A	N	20X: Diluted to bring target analytes within calibration range

Table 7 – Summary of Field Duplicate Results

None.

Acronym List and Table Key:

CCV	=	continuing calibration verification
COC	=	chain of custody
DUSR	=	data usability summary report
FD	=	field duplicate
GC/MS	=	gas chromatography / mass spectrometry
ICV	=	initial calibration verification
LCS	=	laboratory control sample
MB	=	method blank
MDL	=	method detection limit
µg/kg	=	micrograms per kilogram
MS	=	matrix spike
MSD	=	matrix spike duplicate
N	=	normal (field) sample
NC	=	not calculated
ND	=	not detected
NYSDEC	=	New York State Department of Environmental Conservation
PQL	=	practical quantitation limit
QA	=	quality assurance
QAPP	=	quality assurance project plan
QC	=	quality control
RPD	=	relative percent difference
SDG	=	sample delivery group
SO	=	soil
SQ	=	soil quality control
TRG	=	target compound
%D	=	percent difference
%RSD	=	percent relative standard deviation
WH	=	rinse blank water
WQ	=	water quality control

Data Usability Summary Report	Project: Loucks Road
Date Completed: March 1, 2024	Completed by: Tunde Komuves-Sandor

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOP
    - *SOP NO. HW-37A, Rev. 0, Polychlorinated Biphenyl (PCB) Aroclor Data Validation*

The data validation was performed under Category B guidelines. Specific criteria for QC limits were obtained from the master QAPP. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

Reference:

Project ID	Lab Work Order	Laboratory Report
EE1705007.0032	L2374456	Alpha Analytical

Table 1 Sample Listing Summary

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Field QC	ID Corrections
L2374456	SO	OS-SS-25-Z12-24	L2374456-01	12/14/2023 12:44		
L2374456	SO	OS-SS-25-Z24-36	L2374456-02	12/14/2023 12:46		
L2374456	SO	OS-SS-25-Z36-42 *	L2374456-03	12/14/2023 12:48		
L2374456	SO	OS-SS-25-Z42-48 *	L2374456-04	12/14/2023 12:50		
L2374456	SO	OS-SS-25-Z24-36-Q	L2374456-05	12/14/2023 12:47	FD	
L2374456	SO	SB12-Z48-54	L2374456-06	12/14/2023 12:52		
L2374456	SO	SB12-Z54-60	L2374456-07	12/14/2023 12:54		
L2374456	SO	SB12-Z60-66 *	L2374456-08	12/14/2023 12:56		
L2374456	SO	SB12-Z66-72 *	L2374456-09	12/14/2023 12:58		
L2374456	WH	RINSTATE_1214023	L2374456-10	12/14/2023 13:14	RB	
L2374456	SO	SB14-Z48-54	L2374456-11	12/14/2023 13:00		
L2374456	SO	SB14-Z54-60	L2374456-12	12/14/2023 13:02		
L2374456	SO	SB14-Z60-66 *	L2374456-13	12/14/2023 13:04		
L2374456	SO	OS-SS-04-Z12-24	L2374456-14	12/14/2023 13:06		
L2374456	SO	OS-SS-04-Z12-24-Q	L2374456-15	12/14/2023 13:07	FD	
L2374456	SO	OS-SS-04-Z24-36	L2374456-16	12/14/2023 13:08	MS/MSD/ LR	

* Sample was placed on hold.

Table 1A Sample Test Summary

Work Orders	Matrix	Test Method	Method Name	Number of Samples	Sample Type
L2374456	SO	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	12	N/FD
L2374456	WH	8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	1	RB
L2374456	SO	A2540G	Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)	12	N/FD

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes.
Did coolers arrive at lab between 2 and 6ºC and in good condition as indicated on COC and Cooler Receipt Form?	Yes.
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs Equipment Blank - 1/ set of samples per day?	The frequency of field QC will be evaluated at the end of project. 2 FD per 16 samples. 1 MS/MSD per 16 samples. 1 rinsate blank collected.
Case narrative present and complete?	Yes.
Any holding time violations?	No.

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2)
- Surrogates Outside Limits (Table 3)
- MS/MSD and RPD Outside Limits (Table 4)
- LCS / ICV/CCV Recoveries Outside Limits (Table 5)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Go to List

PCB Aroclors by GC/ECD – Method 8082A	
Description	**Notes and Qualifiers**
Are any compounds present in method blanks as noted on Table 2?	No.
For samples, if results are <5 times the blank then "U" flag data.	Not applicable.
Are surrogates for method blanks and LCS within limits?	Yes.
Are surrogates for samples and MS/MSD within limits? (See Table 3). Matrix effects should be established.	No. Surrogate recovery values are below criteria in the samples listed in Table 3. Data qualification is not required because, in all cases, the surrogates were diluted below the calibration range.
Is laboratory QC frequency one blank and LCS with each batch and one MS/MSD per 20 samples?	Yes.
Are MS/MSD within QC criteria (see Table 4 and 4A)? If out and LCS is compliant, then J flag positive data in original sample due to matrix.	Yes.
Is LCS within QC criteria (see Table 5 and 5A)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes.
Is initial calibration for target compounds <20 %RSD or curve fit? Is initial calibration verification <20%D?	No. Linearity acceptable. Several ICVs have %Ds > 20%, see Table 5C.
Is continuing calibration for target compounds <20%D? (See Table 5C)	No, see Table 5C
Were any samples re-analyzed or diluted (see Table 6)? For any sample re-analysis and dilutions is only one reportable result by flagged?	Yes.
Spot check retention time windows and second column confirmations as complete.	Yes.
Do field duplicate results show good precision for all compounds (see Table 7)?	Yes.

Quantitation Limits and Data Assessment: Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the PCB analyses. These results were qualified as estimated (J) by the laboratory.

Data Validation Qualifiers Definitions:

U - The analyte was analyzed for, but due to blank contamination was flagged as non-detect (U). The result is usable as a non-detect.

J – The analyte QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. The 'J' qualified data may be biased high (+) or low (-) or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. The analyte QC analysis fails outside the primary acceptance limits. The "UJ" qualified data are not excluded from further review or consideration. The 'UJ' qualified data may be biased low.

Data Usability Summary Report	Project: Loucks Road
Date Completed: March 1, 2024	Completed by: Tunde Komuves-Sandor

Summary of Findings

8082A

- Data quality is acceptable. The are data are useable as qualified.
- ICV/CCVs were above QC criteria for multiple samples, Table 5C lists applicable qualifiers. It should be noted that field QC samples such as rinse/equipment blanks/trip blanks are not qualified based on QC criteria.
- ICVs/CCVs with %D >20 surrogates were not qualified; QC sample results are not qualified based on surrogate recovery.
- Samples are not qualified based on dilutions.

Table 2 - List of Positive Results for Blank Samples
None.

Table 2A - List of Samples Qualified for Method Blank Contamination
None.

Table 2B - List of Samples Qualified for Field Blank Contamination
None.

Table 3 - List of Samples with Surrogates outside Control Limits

Method	Sample ID	Sample Type	Analyte	Rec %	Low Limit	High Limit	Dil Fac	Qualifier
8082A	OS-SS-25-Z12-24	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	20	None – Diluted Out
8082A	OS-SS-25-Z24-36	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	20	None – Diluted Out
8082A	OS-SS-25-Z24-36-Q	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	20	None – Diluted Out
8082A	OS-SS-04-Z12-24	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	20	None – Diluted Out
8082A	OS-SS-04-Z12-24-Q	N	2,4,5,6-TETRACHLORO-M-XYLENE DECACHLOROBIPHENYL	0 0	30	150	25	None – Diluted Out

Table 4A – List of MS/MSD Recoveries outside Control Limits
None.

Table 4B – List of MS/MSD RPD outside Control Limits
None.

Table 5A – List of LCS Recoveries outside Control Limits
None.

Table 5B – List of LCS RPD outside Control Limits
None.

Table 5C – List of ICV/CCV Recoveries outside Control Limits

Method	Sample Name	Sample Type	Analyte	Peak	Column	Rec.	%D Limit	Associated Samples	Sample Qualifier
8082A	R1761176-40	ICV	Aroclor-1260	3	1	22.4	20	OS-SS-25-Z36-42 OS-SS-25-Z42-48 SB12-Z48-54 SB12-Z54-60 SB14-Z48-54 SB14-Z54-60 OS-SS-04-Z24-36	UJ
8082A	R1761176-40	ICV	Aroclor-1260	4	1	21.7	20		
8082A	R1761176-40	ICV	Aroclor-1260	4	2	23.3	20		
8082A	R1776813-13	ICV	Aroclor-1248	1	1	21.5	20	RINSTATE_1214023	None
8082A	R1776813-15	ICV	Aroclor-1260	3	1	22.5	20	RINSTATE_1214023	None
8082A	R1777871-37	ICV	Aroclor-1232	1	1	20.8	20	OS-SS-25-Z12-24 OS-SS-25-Z24-36 OS-SS-25-Z24-36-Q OS-SS-04-Z12-24 OS-SS-04-Z12-24-Q	UJ
8082A	R1777871-37	ICV	Aroclor-1232	1	2	21.7	20		
8082A	WG1869755-1	CCV	Aroclor-1260	1	2	42.1	20	RINSTATE_1214023	None

Table 6 –Samples that were Re-analyzed/Diluted

Sample ID	Lab ID	Method	Sample Type	Action
OS-SS-25-Z12-24	L2374456-01	8082A	N	20X: Diluted to bring target analytes within calibration range
OS-SS-25-Z24-36	L2374456-02	8082A	N	20X: Diluted to bring target analytes within calibration range
OS-SS-25-Z24-36-Q	L2374456-05	8082A	N	20X: Diluted to bring target analytes within calibration range
OS-SS-04-Z12-24	L2374456-14	8082A	N	20X: Diluted to bring target analytes within calibration range
OS-SS-04-Z12-24-Q	L2374456-15	8082A	N	25X: Diluted to bring target analytes within calibration range

Table 7 – Summary of Field Duplicate Results

Method	Analyte	Unit	Matrix	PQL	OS-SS-04-Z12-24	OS-SS-04-Z12-24-Q	RPD	RPD Rating	Sample Qual
8082A	AROCLOR 1248	ug/kg	SO	1220	4340	6150	34.5%	Good	None
8082A	PCBS, TOTAL	ug/kg	SO	1220	4340	6150	34.5%	Good	None
A2540G	Toal Solids	percent	SO	0.1	83.0	82.8	0.2%	Good	None
Method	**Analyte**	**Unit**	**Matrix**	**PQL**	**OS-SS-25-Z24-36**	**OS-SS-25-Z24-36-Q**	**RPD**	**RPD Rating**	**Sample Qual**
8082A	AROCLOR 1248	ug/kg	SO	1050	4880	6770	32.4%	Good	None
8082A	PCBS, TOTAL	ug/kg	SO	1050	4880	6770	32.4%	Good	None
A2540G	Toal Solids	percent	SO	0.1	89.3	89.2	0.1%	Good	None

Acronym List and Table Key:

CCV	=	continuing calibration verification
COC	=	chain of custody
DUSR	=	data usability summary report
FD	=	field duplicate
GC/MS	=	gas chromatography / mass spectrometry
ICV	=	initial calibration verification
LCS	=	laboratory control sample
MB	=	method blank
MDL	=	method detection limit
µg/kg	=	micrograms per kilogram
MS	=	matrix spike
MSD	=	matrix spike duplicate
N	=	normal (field) sample
NC	=	not calculated
ND	=	not detected
NYSDEC	=	New York State Department of Environmental Conservation
PQL	=	practical quantitation limit
QA	=	quality assurance
QAPP	=	quality assurance project plan
QC	=	quality control
RPD	=	relative percent difference
SDG	=	sample delivery group
SO	=	soil
SQ	=	soil quality control
TRG	=	target compound
%D	=	percent difference
%RSD	=	percent relative standard deviation
WH	=	rinse blank water
WQ	=	water quality control