



Electronic Transmittal Form for DEEP Remediation and LUST Secure File Transfer (SFT)

DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
REMEDiation DIVISION
LEAKING UNDERGROUND STORAGE TANK COORDINATION PROGRAM

www.ct.gov/deep

This Electronic Transmittal Form must be completed and included as the cover sheet of your electronic document when uploading a document to the Connecticut SFT website. Requirements for Transmittals through the SFT website:

- Only document types identified in the dropdown lists in Part III below may be submitted through the SFT website.
 - Documents submitted through the SFT website must include all applicable figures, tables and laboratory data.
 - Files must be formatted as PDF/A and use the appropriate naming convention:
 - For Remediation Filings: **REM_RemID_DocumentType_DateofDocument**
Example: REM_1234_MonitoringReport_01-01-2001
 - For LUST Filings: **LUST_SiteAddress_Town_AbbreviationForDocumentType_DateofDocument**
Example: LUST_1MainStreet_Hartford_ESA_01-01-2001
- Note:** For "AbbreviationForDocumentType" use appropriate abbreviation at [Transmittal of Documents](#)

Part I: Primary Recipient*: Remediation Program (* required)

For Remediation documents: Primary Program*: Significant Environmental Hazard Rem ID*: NA	For LUST documents: UST Facility ID: Spill Case Number:
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Part II: Site Information

Site Name*: Mill Hill Elementary School		
Site Address*: 635 Mill Hill Terrace		
City/Town*: Fairfield	State: CT	Zip Code: 06890
Secondary Programs (complete as many as applicable for this document):		
Program: Select Secondary Program	Project ID:	
Program: Select Secondary Program	Project ID:	
Program: Select Secondary Program	Project ID:	
Program: Select Secondary Program	Project ID:	
Provide Project ID for each secondary program if it is known. Each program has a unique ID (i.e. Rem ID, Spill Case #, UST Facility ID, etc.)		

Part III: Document Information (document type required for appropriate program[s] only)

Remediation*: Remedial Action Report (RAR)	
LUST*: LUST Document Type	
Date of Document*: 12/29/2021	Version: Final

Part IV: Submitter Information

Name*: James T. Olsen, PG, LEP
E-mail*: JTOlsen@tighebond.com
Name of company/business this document is being submitted on behalf of: *
Town of Fairfield



Mill Hill Elementary School
635 Mill Hill Terrace, Southport (Fairfield), CT

Significant Environmental Hazard Abatement Report

Town of Fairfield

December 2021

Tighe&Bond

F-0439-031
December 29, 2021

Jan Czczotka
Director
Remediation Division
Bureau of Water Protection and Land Reuse
CT Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106

Re: **Significant Environmental Hazard Abatement Report**
Mill Hill Elementary School ADA Sidewalk
635 Mill Hill Terrace, Southport (Fairfield), CT

Dear Mr. Czczotka:

On behalf of the Town of Fairfield, Tighe & Bond, Inc. has completed excavation observation and soil sampling activities associated with the removal of approximately 856 tons of soil at the Mill Hill Elementary School located at 635 Mill Hill Terrace in Southport (Fairfield), CT (Site). Concentrations of certain polycyclic aromatic hydrocarbons (PAHs) above the Significant Environmental Hazard (SEH) notification threshold were identified at two separate locations at the Site in August 2019.

In accordance with Connecticut General Statutes (CGS) Section 22a-6u, if soil is not remediated within 90 days from the receipt of the laboratory report identifying an SEH condition, then notification to the Connecticut Department of Energy and Environmental Protection (CTDEEP) is required. A written notification of the SEH was submitted to the CTDEEP on April 28, 2020. At that time, a Remedial Action Plan (RAP) was also submitted that detailed the remedial activities proposed at the Site, which included the removal of the SEHs. The RAP was approved by the CTDEEP in the "Acknowledgement of Notification of Significant Environmental Hazard" letter dated June 5, 2020. Remedial activities were completed in June/July 2021. By way of this report, the Town is requesting a Certificate of Completion in accordance with Section 22a-6u(k).

Figure 1 (Appendix A) provides a site location map showing the site location. Figure 2 provides a site plan showing the excavation area.

Background

Tighe & Bond conducted sampling of the surface soils at the Site in August, September, December 2020 and April 2021 to evaluate the presence of "Julian Fill" as part of a Town investigation of potential "Julian Fill" placement locations and CTDEEP Consent Order 2020002DEEP that was issued to the Town of Fairfield on October 26, 2020. Julian Fill was reportedly used in connection with the June 2015 construction of the Americans with Disabilities Act (ADA) compliant sidewalk that connects the Mill Hill Elementary School building to the lower playground. Tighe & Bond collected 118 shallow soil samples from the vicinity of the ADA sidewalk and three shallow soil samples from the adjacent playground. Samples collected from the playground are outside of the Julian Fill area and not part of the Julian Fill investigation. The samples were sent to and analyzed by Phoenix Environmental Laboratories, Inc (Phoenix) of Manchester, CT for the following compounds:

- Asbestos,
- Arsenic and lead,
- Extractable total petroleum hydrocarbons (ETPH),

- Polychlorinated biphenyls (PCBs),
- Total and Synthetic precipitation leachate procedure (SPLP) PAHs, and
- Total and SPLP Pesticides.

The results from these samples identified the presence of certain PAH compounds in surface soils at concentrations exceeding the CTDEEP Remediation Standard Regulations (RSRs). In addition, two samples collected within two feet of the ground surface were reported to contain certain PAHs at concentrations above the SEH notification threshold of 15 times the Residential Direct Exposure Criteria (RES DEC) as defined in CGS Section 22a-6u as "Surface Soil Contamination". PAHs, specifically, benzo(a)anthracene, benzo(a)pyrene, and/or benzo(b)fluoranthene, were detected above the SEH notification threshold in soil samples MH-1 (0.5-1') and MH-2 (1-1.5').

The samples with the SEH notification threshold exceedances were analyzed as part of the December 11, 2019 sampling event where a total of 10 soil samples were collected to delineate PAH impacts that were previously identified in soil samples MILL HILL S1 (0-0.5') and MILL HILL S2 (0-0.5'), which were collected to assess Julian Fill material that was used during the construction of the ADA sidewalk. Sampling locations are shown on Figures 3 and 4. Summary tables for the soil data collected at the Site are included as Tables 1 and 2 in Appendix B. Laboratory data is included as Appendix D.

As the SEH conditions were identified within the Julian Fill material, which appeared to be limited to the immediate vicinity of the ADA sidewalk and proposed for removal, no further delineation sampling was required to be completed. Post-excavation confirmatory sampling was used to determine the end points of the SEH exceedances.

As previously discussed, notification of the SEH conditions was submitted in April 2020 with a RAP that was approved by the CTDEEP in the June 5, 2020 acknowledgement letter. This was prior to the issuance of the Julian Fill Consent Order. Per the Consent Order, additional investigations were completed and the extent of the remediation area was redefined to include the entirety of the Julian Fill that was placed beneath the ADA sidewalk. The revised excavation plan used for this remediation is included as Figure 5.

Excavation and Sampling Activities

The SEH conditions were addressed as part of the overall Julian Fill remediation, which consisted of the excavation of the entire length of the ADA sidewalk where the Julian Fill was reportedly placed. On January 10, 2020, Tighe & Bond collected a composite waste characterization sample from the area proposed for excavation. The waste characterization sample was utilized by the excavation contractor, CISCO, LLC of New Haven, CT, to obtain approval at a soil disposal facility.

In June and July 2021, Tighe & Bond observed the excavation of the Julian Fill material as shown on Figure 6. The excavation ran approximately 270 feet along the length of the ADA sidewalk that connected the Mill Hill Elementary School building to the lower playground. The width of the excavation varied from approximately 10 feet to 30 feet along the sidewalk based on the extent of Julian Fill used to regrade the area at the time of the construction. Similarly, the depth of the excavation also varied from approximately one foot to four feet beneath the ground surface (bgs). Bedrock was encountered throughout the central portion of the excavation, as shown on Figure 6. The SEH exceedances were located at two discrete areas within the overall excavation, as shown on Figure 3. The excavated material consisted of a mixture of sand, silt, and asphalt fragments. Photographs of the excavation are attached as Appendix C.

Tighe & Bond conducted daily total particulate (dust) air monitoring utilizing two dust monitors placed adjacent to the excavations. The air was monitored in real time using TSI DUSTTRAK



8530 air monitoring instruments with Enviroz telemetry units to determine dust levels. Dust levels above 5 mg/m³ were not recorded in either of the dust monitoring units. Minimal visible dust was observed when the excavator bucket was removing the existing ADA sidewalk; however, this dust was not observed leaving the excavation area.

The excavated soil was either direct loaded into trucks or temporarily stockpiled within the excavation prior to being loaded onto trucks. Most of the excavation work was completed between June 28 and July 2, 2021. Due to elevated PAH concentrations above RSR criteria (but below SEH notification thresholds), two rounds of supplemental excavation were performed on July 15, 2021 and July 20, 2021. A total of 856 tons of Julian Fill and affected soil (soil that comingled with the Julian Fill) were excavated and transported to the Clean Earth facility located in Plainville, CT, a CTDEEP-permitted soil recycling and treatment facility, CT DEEP 110021-CRW, 146-0042/146-0143. Waste disposal documentation is attached as Appendix E.

At the completion of excavation activities, Tighe & Bond collected a total of 38 soil samples from the sidewalls and bottom of the excavation along 20 foot transects. Sidewall samples were collected from depths ranging from 0.5 feet to two feet depending on the corresponding bottom depth. For above grade portions of the excavation (where Julian Fill was placed on top of existing grade), sidewalls were not present. With respect to the SEH exceedances, soil samples MHB-408 (3'), MHS-409 (1.5'), MHS-410 (1.5'), MHB-411 (3'), MHS-412 (1.5'), MHS-413 (1.5'), MHB-414 (2'), MHS-415 (0.5'), and MHS-416 (1') were collected from the MH-2 area and soil samples MHB-427 (3'), MHS-428 (0.5'), MHB-429 (1'), MHS-430 (0.5'), MHB-431 (0.5'), and MHS-432 (0.5') were collected from the MH-1 area. "MHS" samples represent sidewall samples and "MHB" samples represent bottom samples.

The post excavation soil samples were collected in laboratory-supplied containers and were placed into a cooler with ice for transport. Tighe & Bond maintained possession of the samples until the samples were picked up by the laboratory courier and brought to the laboratory. The laboratory received the samples on the same day of sample collection. A chain-of-custody form was generated by Tighe & Bond at the time of sample collection, and this form accompanied the samples to final delivery at the laboratory. Transfers in possession of the samples were fully documented on the Chain-of-Custody form which is included in the laboratory reports (Appendix D). All samples collected from the Julian Fill remediation project were analyzed for ETPH, arsenic, lead, pesticides, PCBs, and PAHs on a standard turn around. Select samples were additionally analyzed for lead, arsenic, pesticides, and PAHs by the Synthetic Precipitation Leaching Procedure (SPLP) based on initial results.

Analytical Results

As summarized in detail in Tighe & Bond's November 2021 Mill Hill Elementary School Remedial Action/Verification Report, a total of 38 soil samples were collected from the Julian Fill remediation area, which included the two SEH conditions. Of these samples, 36 were used as the endpoints (following supplemental excavation activities). PAHs were detected in 12 of the 36 soil samples used for the endpoints of the remedial area. **Several individual PAHs were detected at concentrations above their respective RES DEC and GA Pollutant Mobility Criteria (PMC) in soil samples MHB 414 (2') and MHB 419 (1'). Further excavation of these sample locations was not possible due to the shallow bedrock in the area; however, the calculated 95% Upper Confidence Level (UCL) for the final post-excavation data demonstrates compliance with the RES DEC in accordance with the CTDEEP RSRs. The 95% UCL was calculated using EPA supported ProUCL software (version 5.1). The ProUCL output sheet is included as Appendix F. With respect to the GA PMC, SPLP analysis was completed on soil samples MHB 414 (2') and MHB 419 (1'), as well as an initial sample, MHS 422 (0.5'), that contained the highest detected concentrations of PAHs at the Site and was thus excavated.**

Leachable PAHs were only detected in soil samples MHB 414 (2') and MHB 419 (1') at concentrations below optional GA PMC criteria (i.e., groundwater protection criteria).

ETPH and PCBs were not detected at concentrations above the laboratory reporting limits. Total DDT (pesticides) were detected in one sample (MHS 426) at concentrations below the RES DEC but not the GA Pollutant Mobility Criteria (GA PMC). However, SPLP analysis for pesticides was completed on this sample that did not identify concentrations above the laboratory reporting limits; as such, the data complies with the optional GA PMC (i.e., groundwater protection criteria). Arsenic and lead were detected at apparent naturally occurring concentrations below RSR criteria.

The two SEH conditions are located within the Julian Fill remediation area. Corresponding post-excavation endpoint samples that were collected include soil samples MHB-408 (3'), MHS-409 (1.5'), MHS-410 (1.5'), MHB-411 (3'), MHS-412 (1.5'), MHS-413 (1.5'), MHB-414 (2'), MHS-415 (0.5'), and MHS-416 (1') from the MH-2 area and soil samples MHB-427 (3'), MHS-428 (0.5'), MHB-429 (1'), MHS-430 (0.5'), MHB-431 (0.5'), and MHS-432 (0.5') from the MH-1 area. In line with the sample results discussed above, ETPH, PCBs, and pesticides were not detected at concentrations above the laboratory reporting limits in these specific samples. In addition, arsenic and lead were detected at apparent naturally occurring concentrations. PAHs were detected in a few of these samples, with concentrations several individual PAHs above the RES DEC and GA PMC in soil sample MHB 414 (2'). As previously discussed, compliance with the RSRs was achieved for this sample with the use of the calculated 95% UCL for the RES DEC and SPLP analysis indicating the PAHs do not leach at concentrations above the optional GA PMC.

Post excavation soil sample results are summarized in Table 3 in Appendix B. The laboratory analytical reports are contained in Appendix D.

Summary

In December 2019, sample results reported certain PAH concentrations above SEH notification thresholds in two shallow sample locations at the Site. The SEH exceedances were associated with the Julian Fill material that was reportedly placed beneath and in the vicinity of the ADA sidewalk that connected the Mill Hill Elementary School building to the lower playground. Notification of the SEH and RAP were submitted to the DEEP on April 28, 2020. The DEEP replied with a letter of acknowledgement and approval of the RAP on June 5, 2020.

In June and July 2021 remediation was completed at the Site to remove the Julian Fill material, which also contained the SEH exceedances. Tighe & Bond observed the excavation of impacted soil and collected a total of 38 post excavation soil samples. A total of 856 tons of Julian Fill and affected soil was excavated from the Site by CISCO and disposed at a permitted facility. Waste disposal manifests and documentation is provided in Appendix E.

Tighe & Bond collected a total of 38 post excavation soil samples from the sidewalls and bottoms of the overall Julian Fill excavation, which included the two SEH conditions. Samples were analyzed for COCs associated with the Julian Fill, which included PAHs. Of the 38 post excavation samples, 36 represent the excavation endpoints. COCs (PAHs) were either not detected at concentrations above the laboratory reporting limits (ETPH and PCBs), detected at concentrations below RSR criteria, or detected at concentrations above RSR criteria but comply using statistical analysis and SPLP testing. As such, the SEH condition has therefore been abated at the two locations.

The Town is requesting a Certificate of Completion from the DEEP in accordance with Section 22a-6u(k) in connection with the notification of SEH conditions submitted to the DEEP on April 28, 2020.



The Town has also submitted a Remedial Action/Verification to the DEEP Bureau of Water Protection and Land Reuse that discusses in detail the remediation of the Julian Fill material at Mill Hill Elementary School.

If you have any questions, please contact me at (860) 704-4761 or jtolsen@tighebond.com.

Very truly yours,

TIGHE & BOND, INC.



James T. Olsen, PG, LEP
Vice President

Attachments:

Acknowledgement and Approval – Notification of Significant Environmental Hazard

Appendix A

Figure 1 – Site Location Map

Figure 2 – Site Plan

Figure 3 – Investigation Sampling Locations

Figure 4 – Non-Investigation Sampling Locations

Figure 5 – Pre-Remediation Soil Excavation Plan

Figure 6 – Final Excavation Limits and Endpoint Sample Locations

Appendix B – Tables

Table 1 – Summary of Soil Investigation Analytical Data

Table 2 – Summary of Non-Investigation Analytical Data

Table 3 – Summary of Remediation Sample Analytical Data

Appendix C – Photographic Log

Appendix D – Analytical Reports

Appendix E – Waste Disposal Documentation

ACKNOWLEDGEMENT AND APPROVAL

NOTIFICATION OF SIGNIFICANT ENVIRONMENTAL HAZARD PURSUANT TO CONNECTICUT GENERAL STATUTES SECTION 22a-6u

June 5, 2020

Mr. Brian Carey
Conservation Director
Town of Fairfield
725 Old Boston Post Road
Fairfield, CT 06824

RE: Notification of Significant Environmental Hazard
Mill Hill Elementary School
635 Mill Hill Terrace, Fairfield

Dear Mr. Carey:

Acknowledgement of Notification of Significant Environmental Hazard

This is to acknowledge receipt, on April 28, 2020 of written notification, under the requirements of Connecticut General Statutes (CGS) Section 22a-6u. This notification reported the presence of an environmental hazard at property owned by the Town of Fairfield known as Mill Hill Elementary School located at 635 Mill Hill Terrace in Fairfield. The notification, which identifies you as the contact person, was completed by James Olsen, Vice President of Tighe & Bond, Inc. The notification identified the following significant environmental hazard(s):

Soil within the uppermost two feet below the ground surface is polluted with benzo(a)pyrene at concentrations of 20 and 31 parts per million, exceeding the applicable notification criteria, and may pose a short-term risk of direct exposure.

Thank you for notifying the Department of Energy and Environmental Protection (the Department) of this condition which you believe is due to placement of polluted fill.

Except for environmental hazards identified under CGS 22a-6u Section (b)(1), (c)(1) or (h)(1), further notifications resulting from investigations or monitoring conducted in the course of mitigation or abatement of this hazard condition are not necessary, provided that the Department is promptly advised of sample results. However, in the event any future investigation or monitoring discloses a more widespread or severe problem or an increasing trend in pollution concentration, please do not hesitate to contact the staff member identified below.

For your information, pursuant to the requirements of CGS Section 22a-6u (m), the Department must forward a copy of your written notification to the chief elected official of the municipality in which the site is located and to the Local Health Director. In addition, the Department sends a copy of this acknowledgement letter to these individuals. The Department must also, unless the hazard is abated or mitigated, add this site to the "List of Significant Environmental Hazards Reported to the DEEP" that is maintained on the Department's internet site. Also, be advised that CGS Section 22a-6u (l), requires that the Significant Environmental Hazard Notification Report be conspicuously posted at the site not later than five days after the commencement of an activity by any person that increases the likelihood of human exposure to known contaminants.

Approval of Abatement Plan

The Remedial Action Plan (the RAP) describes actions taken to evaluate and mitigate the reported hazard including covering the soil with landscaping fabric and the installation of a temporary fence to limit access to the polluted soil until the site is remediated, and informing the public of the hazard condition. Additional soil samples were collected and analyzed to delineate the extent of the polluted soil. Excavation, removal, and disposal of the polluted soil, originally planned for March 2020, was delayed by the COVID-19 emergency response shutdown. The RAP will be implemented as soon as the COVID-19 conditions allow.

The aspects of the RAP that pertain to evaluation, mitigation, and abatement of the reported significant environmental hazard are hereby approved under the provisions of Section 22a 6u (k) of Connecticut's General Statutes (CGS).

The Department expects that as a result of this approval a supplemental report will be submitted **on or before August 31, 2020**. In the event the Department does not receive the expected report, it will reevaluate the potential short-term risk associated with this hazard condition. The continued presence of short-term risk associated with the hazard condition, if not mitigated, as reported, may cause the Department to initiate other actions.

Please note that this letter pertains **solely** to the identified significant environmental hazard condition. This letter does not establish either a basis for determination that your site is 'clean', a basis for submittal of a 'Form II' or 'Form IV' in the event this property is an establishment, or a basis for resolution of any prior Form III filing under the Property Transfer Program pursuant to CGS Section 22a-134 et. seq. The evaluation of a release area or property to determine if it is in compliance with Connecticut's Remediation Standard Regulations (RSRs) is a separate and distinct activity from identification and resolution of an environmental hazard condition, although the same data may be used for both as appropriate. Both of these activities, resolution of a significant environmental hazard and remediation of related pollution, are required, under separate laws. In any event, the Department expects you to continue implementing remedial activity to achieve closure of site issues.

This letter relates only to abatement of the significant environmental hazard identified above. Nothing in this letter shall affect the Commissioner's authority to institute any proceeding, or take any other action to prevent or abate pollution, to recover costs and natural resource damages, and

to impose penalties for violations of law including but not limited to violations of any permit issued by the Commissioner. No provision of this letter and no action or inaction by the Commissioner shall be construed to constitute an assurance by the Commissioner that the actions taken result in permanent abatement of the environmental hazard. If at any time the Commissioner determines that the information upon which the Commissioner's decision is based was incorrect, or the identified environmental hazard remains a risk, the Commissioner may institute any proceeding, or take any action to require further action to abate the hazard.

In addition, nothing in this letter shall relieve any person of his or her obligations under applicable federal, state, or local laws or regulations.

Please address all submittals pertaining to this significant environmental hazard to the Remediation Division, to the attention of the staff member identified herein. If you have any questions regarding your obligations specified in this letter, please contact Jade Barber by phone at 860-424-3341 or e-mail at jade.barber@ct.gov.

Sincerely,



Jan Czeczotka
Director
Remediation Division
Bureau of Water Protection and Land Reuse

JMC:KRF:ARK

c:

Mr. James Olsen, LEP, Vice President, Tighe & Bond, Inc., 213 Court Street, Middletown, CT 06457

As noted above, under the provisions of CGS Section 22a-6u (m) copies are also provided to the following:

The Honorable Brenda Kupchick, First Selectwoman, Town of Fairfield, Sullivan Independence Hall, 725 Old Post Road, Fairfield, CT 06824

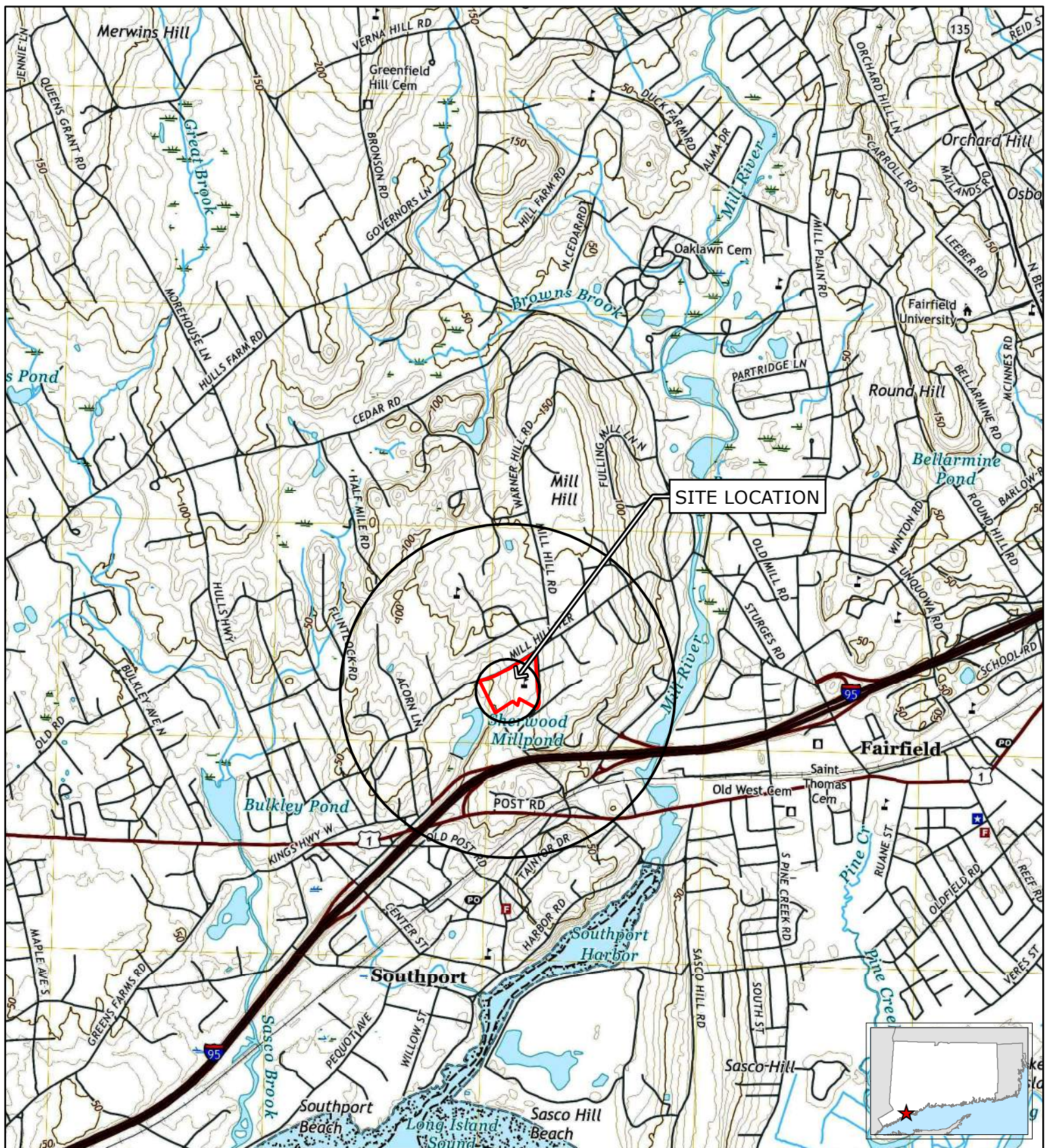
Mr. Sands Cleary, Director of Health, Fairfield Health Department, 725 Old Post Road, Fairfield, CT 06824

e-copy (including a copy of the significant environmental hazard notification):

Jade Barber, Remediation Division, DEEP

Amanda Killeen, Remediation Division, DEEP

Peter Hill, Remediation Division, DEEP



LEGEND

 Approximate Site Parcel

Tighe & Bond

Based on USGS Topographic Map for
Wesport, CT Revised 2021.
Contour Interval Equals 10 feet.
Downloaded from ngmdb.usgs.gov/topoview
Circles indicate 500-foot and half-mile radii

1:24,000
0 1,000 2,000
Feet

FIGURE 1

SITE LOCATION MAP

Mill Hill Elementary School
635 Mill Hill Terrace
Fairfield, Connecticut

October 2021

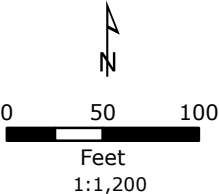


**FIGURE 2
SITE PLAN**

LEGEND

- Approximate Site Parcel
- Approximate Excavation Limit

LOCUS MAP



NOTES

- 1. Based on 2019 Statewide Orthophotography, Courtesy of CTECO.

**Mill Hill Elementary School
635 Mill Hill Terrace
Fairfield, Connecticut**

October 2021

Tighe&Bond



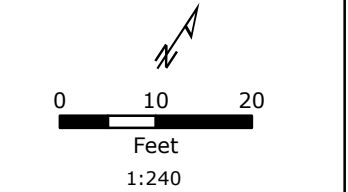
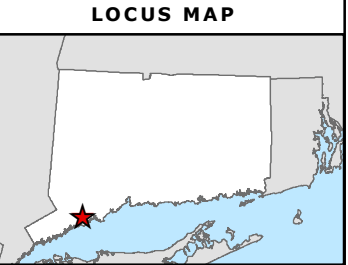
FIGURE 3
INVESTIGATION
SAMPLING LOCATIONS

LEGEND

- Soil Sample Location
- PAH: RES DEC Exceedance
- PAH: GA PMC Exceedance

Town of Fairfield Research

According to the Town of Fairfield Research, approximately 45.92 tons of Julian Fill consisting of screened millings and fill was used for regrading and the installation of a new walkway for ADA compliance.



NOTES

1. Based on 2016 Statewide Orthophotography, Courtesy of CTECO.

Mill Hill Elementary School
635 Mill Hill Terrace
Fairfield, Connecticut


October 2021


Tighe&Bond
Engineers | Environmental Specialists




FIGURE 4
NON-INVESTIGATION
SAMPLING LOCATIONS
(PLAYGROUND AREA)


LEGEND


 Approximate Sample Location

 Approximate Site Parcel

 Approximate Parcel Boundary

LOCUS MAP





0 25 50
Feet
1:600

NOTES

1. Based on 2016 Statewide Orthophotography, Courtesy of CTECO.

**Mill Hill Elementary School
Playground
635 Mill Hill Terrace
Fairfield, Connecticut**

October 2021

Tighe&Bond
Engineers | Environmental Specialists

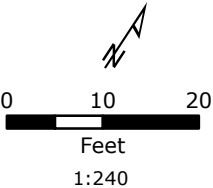
**FIGURE 5
PRE-REMEDIALTION
SOIL EXCAVATION PLAN**

LEGEND

- Soil Sample Location
- PAH: RES DEC Exceedance
- PAH: GA PMC Exceedance
- Approximate Excavation Area

Town of Fairfield Research
According to the Town of Fairfield Research, approximately 45.92 tons of Julian Fill consisting of screened millings and fill was used for regrading and the installation of a new walkway for ADA compliance.

LOCUS MAP



NOTES

1. Based on 2016 Statewide Orthophotography, Courtesy of CTECO.

**Mill Hill Elementary School
635 Mill Hill Terrace
Fairfield, Connecticut**

October 2021

Tighe&Bond
Engineers | Environmental Specialists



Excavation Plan

Excavation area is approximately 240 feet long x 10 feet wide x 3 feet deep. Totalling approximately 400 tons.

Excavation limits to be defined in the field based on current analytical data and field observations.

Excavation to be guided by Tighe & Bond personnel.

Soil to be excavated and direct loaded for transportation and disposal.

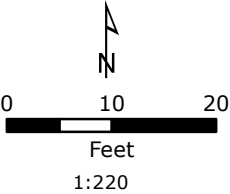
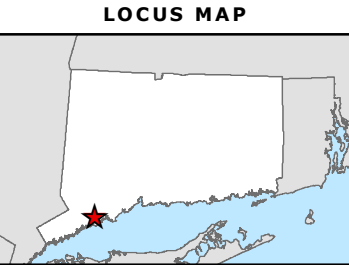
Excavation limits may vary based on confirmation analytical data.



FIGURE 6
FINAL EXCAVATION
LIMITS & ENDPOINT
SAMPLE LOCATIONS

- LEGEND**
- Approximate Sample Location
 - Approximate Excavation Limit
 - Bedrock Encountered (Approx.)

Town of Fairfield Research
According to the Town of Fairfield Research, approximately 45.92 tons of Julian Fill consisting of screened millings and fill was used for regrading and the installation of a new walkway for ADA compliance.



NOTES

1. Based on 2016 Statewide Orthophotography, Courtesy of CTECO.

Mill Hill Elementary School
635 Mill Hill Terrace
Fairfield, Connecticut

October 2021

Tighe&Bond
Engineers | Environmental Specialists

TABLE 1
Summary of Investigation Data
Mill Hill Elementary School
Fairfield, Connecticut
Last Updated: 10/26/2021

Sample ID	CTDEEP RSR Criteria				US EPA	MILL HILL S1	MH-1 0.5-1 ft	MH-1 1-1.5 ft	MH-1E 0-0.5 ft	MH-1N 0-0.5 ft	MH-1S 0-0.5 ft	MILL HILL S2	MH-2 0.5-1 ft	MH-2 1-1.5 ft	MH-2E 0-0.5 ft	MH-2N 0-0.5 ft	MH-2W 0-0.5 ft	MILL HILL S3	MILLHILL S201	MILLHILL S202	MILLHILL S203	MILLHILL S204	MILLHILL S205	MILLHILL S206	MILLHILL S207	MILLHILL S208
	RES DEC	SEH	GA PMC	GWPC		0-0.5 ft 8/20/19 CD88972	12/11/19 CE85692	12/11/19 CE85693	12/11/19 CE85698	12/11/19 CE85696	12/11/19 CE85694	0-0.5 ft 8/20/19 CD88973	12/11/19 CE85700	12/11/19 CE85701	12/11/19 CE85703	12/11/19 CE85705	12/11/19 CE85707	0-0.5 ft 8/20/19 CD88974	0-0.5 ft 9/9/19 CE00376	0-0.5 ft 9/9/19 CE00377	0-0.5 ft 9/9/19 CE00378	0-0.5 ft 9/9/19 CE00379	0-0.5 ft 9/9/19 CE00380	0-0.5 ft 9/9/19 CE00381	0-0.5 ft 9/9/19 CE00382	0-0.5 ft 9/9/19 CE00383
Sample ID						BRL	-	-	-	-	-	BRL	-	-	-	-	-	BRL	-	-	-	-	-	-	-	-
Asbestos PLM 198.1 ²	NA	NA	NA	NA	1%																					
Total Metals 6010D (mg/Kg)																										
Arsenic	10	150	NA	NA	NA	3.22	-	-	-	-	-	7.6	-	-	-	-	-	8.45	-	-	-	-	-	-	-	-
Lead	400	6000	NA	NA	NA	14.8	-	-	-	-	-	110	-	-	-	-	-	34	-	-	-	-	-	-	-	-
CTETPH 8015D (mg/Kg)	500	NE	500	NA	NA	<95	-	-	-	-	-	180	-	-	-	-	-	<53	-	-	-	-	-	-	-	-
PCBs SW8082A (mg/Kg)																										
Total PCBs	1	30	NA	NA	NA	<0.44	-	-	-	-	-	<0.37	-	-	-	-	-	<0.35	-	-	-	-	-	-	-	-
Pesticides 8081B (mg/Kg)																										
DDE, 4,4-	NE	NE	NE	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT, 4,4-	NE	NE	NE	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT (Total)	1.8	NE	0.003	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPLP Pesticides 8081B (ug/L)	NA	NE	NA	Varies	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAHs SW8270D (mg/Kg)																										
Acenaphthene	1,000	NE	8.4	NA	NA	<1.5	0.87	<0.290	<0.300	<0.260	<0.250	<1.3	0.38	1.1	<0.290	<0.300	<0.290	<0.24	<0.29	<0.27	<0.28	<0.26	<0.26	<0.28	<0.29	<0.28
Acenaphthylene	1,000	15,000	8.4	NA	NA	6.3	9	2.3	<0.300	4	3.2	2.5	4.9	11	0.75	<0.300	0.64	<0.24	<0.29	<0.27	<0.28	0.3	<0.26	<0.28	<0.29	<0.28
Anthracene	1,000	15,000	40	NA	NA	6.2	5.1	1.6	<0.300	2.4	1.7	2.8	3.2	7.1	0.44	<0.300	0.36	<0.24	<0.29	<0.27	<0.28	<0.26	<0.26	<0.28	<0.29	<0.28
Benz(a)anthracene	1	15	1	NA	NA	14	17	3.8	<0.300	3.8	5.5	7.7	7	26	0.9	<0.300	1.1	<0.24	<0.29	0.44	0.58	0.66	0.28	0.38	0.45	0.39
Benzo(a)pyrene	1	15	1	NA	NA	13	20	4.2	<0.300	5.3	9.6	7.7	11	31	2.3	<0.300	1.4	<0.24	0.35	0.52	0.73	0.81	0.37	0.49	0.52	0.52
Benzo(b)fluoranthene	1	15	1	NA	NA	11	14	3.3	<0.300	4.4	6.7	6.1	7.4	24	1.5	<0.300	1.1	<0.24	0.31	0.47	0.63	0.72	0.35	0.45	0.46	0.46
Benzo(ghi)perylene	8.4	NE	1	NA	NA	8.7	15	2.5	<0.300	3.6	5.4	4.6	6.1	18	1.4	<0.300	1.2	<0.24	<0.29	0.41	0.6	0.57	0.31	0.4	0.39	0.44
Benzo(k)fluoranthene	8.4	126.0	1	NA	NA	10	3.3	2.5	<0.300	3.1	4.6	5.7	4.3	4.7	1.2	<0.300	0.93	<0.24	0.29	0.43	0.58	0.69	0.31	0.41	0.43	0.41
Chrysene	84	NE	1	NA	NA	14	17	3.7	<0.300	3.9	5.7	8.2	7.4	25	0.98	<0.300	1.2	<0.24	0.32	0.52	0.68	0.76	0.34	0.48	0.55	0.44
Dibenz(a,h)anthracene	1	NE	1	NA	NA	2.3	3.2	0.77	<0.300	1.2	1.3	1.1	2.1	5.4	0.4	<0.300	0.33	<0.24	<0.29	<0.27	<0.28	<0.26	<0.26	<0.28	<0.29	<0.28
Fluoranthene	1,000	15,000	5.6	NA	NA	27	28	7.4	<0.300	5.7	8.5	14	13	44	1.7	<0.300	1.9	0.37	0.56	0.88	1.1	1.4	0.52	0.75	0.88	0.71
Fluorene	1,000	15,000	5.6	NA	NA	5.4	3.6	0.78	<0.300	1	0.81	1.7	1.7	4.9	<0.290	<0.300	<0.290	<0.24	<0.29	<0.27	<0.28	<0.26	<0.26	<0.28	<0.29	<0.28
Indeno(1,2,3-cd)pyrene	1	NE	1	NA	NA	9.4	14	2.8	<0.300	3.7	5.3	4.9	6	20	1.7	<0.300	1.4	<0.24	0.29	0.45	0.63	0.62	0.35	0.45	0.41	0.47
2-Methylnaphthalene	270	NE	0.56	NA	NA	2.4	1.1	<0.290	<0.300	<0.260	<0.250	<0.56	0.32	1.3	<0.290	<0.300	<0.290	<0.24	<0.29	<0.27	<0.28	<0.26	<0.26	<0.28	<0.29	<0.28
Naphthalene	1,000	15,000	5.6	NA	NA	3.6	1.2	<0.290	<0.300	<0.260	0.3	<1.3	0.32	1.3	<0.290	<0.300	<0.290	<0.24	<0.29	<0.27	<0.28	<0.26	<0.26	<0.28	<0.29	<0.28
Phenanthrene	1,000	15,000	4	NA	NA	26	21	3.7	<0.300	3.2	3.8	12	6.2	31	0.96	<0.300	0.83	<0.24	0.31	0.41	0.49	0.61	<0.26	0.3	0.5	0.31
Pyrene	1,000	15,000	4	NA	NA	24	25	6.9	<0.300	5.8	8.3	13	13	39	1.7	<0.300	2	0.34	0.55	0.88	1.1	1.3	0.54	0.79	0.97	0.71
SPLP PAHs SW8270D (ug/Kg)																										
Acenaphthene	NA	NE	NA	420	NA	-	<0.5	-	-	-	-	-	-	0.66	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	NA	NE	NA	420	NA	-	0.38	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	NE	NA	2,000	NA	-	<0.5	-	-	-	-	-	-	0.85	-	-	-	-	-	-	-	-	-	-	-	-
Benz(a)anthracene	NA	NE	NA	0.06	NA	-	0.22	-	-	-	-	-	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	NA	NE	NA	0.2	NA	-	0.37	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	NA	NE	NA	0.08	NA	-	0.27	-	-	-	-	-	-	0.89	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	NA	NE	NA	0.48	NA	-	0.59	-	-	-	-	-	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	NE	NA	0.5	NA	-	<0.3	-	-	-	-	-	-	0.87	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	NE	NA	4.8	NA	-	<0.5	-	-	-	-	-	-	0.72	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	NE	NA	0.1	NA	-	0.18	-	-	-	-	-	-	0.14	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	NE	NA	280	NA	-	<0.5	-	-	-	-	-	-	1.8	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	NE	NA	280	NA	-	<0.5	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	NA	NE	NA	0.1	NA	-	0.55	-	-	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	NE	NA	28	NA	-	<0.5	-	-	-	-	-	-	0.63	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	NA	NE	NA	280	NA	-	<0.5	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	NA	NE	NA	200	NA	-	0.64	-	-	-	-	-	-	3.3	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	NE	NA	200	NA	-	<0.5	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	-	-	-

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GWPC - Groundwater Protection Criteria
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NA- Not Applicable
SEH - Significant Environmental Hazard
CT ETPH- Connecticut Department of Public Health
Extractable Total Petroleum Hydrocarbons
PAHs- Polycyclic Aromatic Hydrocarbons
PCBs- Polychlorinated Biphenyls
<x - compound was not above reporting limit
Boxed values indicate exceedances of RES DEC
Grey shaded values indicate exceedances of GA PMC
Red shaded values indicate exceedances of SEH
Blue values indicate exceedance of GWPC
²- Asbestos analysis of Bulk Materials via 40 CFR Part 763, Sub. E, App. E/NYS-DOH 198.1 (PLM) by Eastern Analytical Services, Inc.
SPLP PAHs and Pesticides compared to numeric GWPC

TABLE 1
Summary of Investigation Data
Mill Hill Elementary School
Fairfield, Connecticut
Last Updated: 10/26/2021

Sample ID	CTDEEP RSR Criteria				US EPA	B301	B301	B302	B303	B303	B304	B304	B305	B306	B306	B307	B308	B308	B309	B309	B310	B310	B311	B311	B311 DUP	B312	B313	B314	B315
	RES DEC	SEH	GA PMC	GWPC		0 - 1 ft 4/13/21 CI00534	1 - 1.5 ft 4/13/21 CI00535	0 - 1 ft 4/13/21 CI00533	0 - 1 ft 4/13/21 CI00531	1 - 2 ft 4/13/21 CI00532	0 - 1 ft 4/13/21 CI00526	1 - 1.5 ft 4/13/21 CI00597	0 - 1 ft 4/13/21 CI00596	0 - 1 ft 4/13/21 CI00521	1 - 2 ft 4/13/21 CI00522	0 - 1 ft 4/13/21 CI00523	0 - 1 ft 4/13/21 CI00524	1 - 2 ft 4/13/21 CI00525	0 - 1 ft 4/13/21 CI00527	1 - 1.5 ft 4/13/21 CI00528	0 - 1 ft 4/13/21 CI00529	1 - 1.5 ft 4/13/21 CI00530	0 - 1 ft 4/13/21 CI00536	1 - 1.5 ft 4/13/21 CI00538	0 - 0 ft 4/13/21 CI00537	0 - 1 ft 4/13/21 CI00539	0.5 - 1.5 ft 4/15/21 CI00595	0.5 - 1.5 ft 4/15/21 CI00592	0.5 - 1 ft 4/14/21 CI00584
Asbestos PLM 198.1 ²	NA	NA	NA	NA	1%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Metals 6010D (mg/Kg)																													
Arsenic	10	150	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	400	6000	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTETPH 8015D (mg/Kg)	500	NE	500	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs SW8082A (mg/Kg)																													
Total PCBs	1	30	NA	NA	NA	<0.39	<0.38	<0.39	<0.36	<0.37	<0.35	<0.37	<0.38	<0.37	<0.36	<0.38	<0.4	<0.4	<0.4	<0.37	<0.39	<0.37	<0.38	<0.37	<0.36	<0.39	<0.38	<0.34	<0.35
Pesticides 8081B (mg/Kg)																													
DDE, 4,4-	NE	NE	NE	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0016	-	-	-	-	-	-	-	-	-	-
DDT, 4,4-	NE	NE	NE	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.0016	-	-	-	-	-	-	-	-	-	-
DDT (Total)	1.8	NE	0.003	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	-	-	-
SPLP Pesticides 8081B (ug/L)	NA	NE	NA	Varies	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAHs SW8270D (mg/Kg)																													
Acenaphthene	1,000	NE	8.4	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1,000	15,000	8.4	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	1,000	15,000	40	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benz(a)anthracene	1	15	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	1	15	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	1	15	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	8.4	NE	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	8.4	126.0	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	84	NE	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	1	NE	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1,000	15,000	5.6	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	1,000	15,000	5.6	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	1	NE	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	270	NE	0.56	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	1,000	15,000	5.6	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	1,000	15,000	4	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	1,000	15,000	4	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPLP PAHs SW8270D (ug/Kg)																													
Acenaphthene	NA	NE	NA	420	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	NA	NE	NA	420	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	NE	NA	2,000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benz(a)anthracene	NA	NE	NA	0.06	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	NA	NE	NA	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	NA	NE	NA	0.08	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	NA	NE	NA	0.48	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	NE	NA	0.5	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	NE	NA	4.8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	NE	NA	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	NE	NA	280	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	NE	NA	280	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	NA	NE	NA	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	NE	NA	28	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	NA	NE	NA	280	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	NA	NE	NA	200	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	NE	NA	200	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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2- Asbestos analysis of Bulk Materials via 40 CFR Part 763, Sub. E, App. E/NYS-DOH 198.1 (PLM) by Eastern Analytical Services, Inc.
SPLP PAHs and Pesticides compared to numeric GWPC

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Mill Hill Elementary School
Fairfield, Connecticut
Last Updated: 10/26/2021

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	RES DEC	SEH	GA PMC	GWPC		1 - 2 ft 4/14/21 CI00585	2 - 3 ft 4/14/21 CI00586	0 - 1 ft 4/14/21 CI00540	0 - 0 ft 4/14/21 CI00543	1 - 2 ft 4/14/21 CI00541	2 - 2.5 ft 4/14/21 CI00542	0 - 1 ft 4/14/21 CI00544	1 - 2 ft 4/14/21 CI00545	2 - 2.5 ft 4/14/21 CI00546	0 - 1 ft 4/14/21 CI00547	1 - 2 ft 4/14/21 CI00548	2 - 2.5 ft 4/14/21 CI00549	0 - 1 ft 4/14/21 CI00550	0 - 1 ft 4/14/21 CI00557	1 - 1.5 ft 4/14/21 CI00558	0 - 1 ft 4/14/21 CI00563	0 - 1 ft 4/13/21 CI00518	1 - 2 ft 4/13/21 CI00519	2 - 3 ft 4/13/21 CI00520	0 - 1 ft 4/13/21 CI00516	1 - 2 ft 4/13/21 CI00517	0 - 1 ft 4/13/21 CI00496	1 - 2 ft 4/13/21 CI00497	0 - 1 ft 4/13/21 CI00509	1 - 2 ft 4/13/21 CI00510
Sample Depth																														
Sample Date																														
Lab Sample ID																														
Asbestos PLM 198.1 ²	NA	NA	NA	NA	1%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Metals 6010D (mg/Kg)																														
Arsenic	10	150	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	400	6000	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTETPH 8015D (mg/Kg)	500	NE	500	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs SW8082A (mg/Kg)																														
Total PCBs	1	30	NA	NA	NA	<0.35	<0.35	<0.39	<0.36	<0.36	<0.36	<0.38	<0.36	<0.36	<0.35	<0.36	<0.35	<0.42	<0.36	<0.35	<0.4	<0.37	<0.36	<0.37	<0.37	<0.45	<0.38	<0.35	<0.38	<0.37
Pesticides 8081B (mg/Kg)																														
DDE, 4,4-	NE	NE	NE	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT, 4,4-	NE	NE	NE	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT (Total)	1.8	NE	0.003	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPLP Pesticides 8081B (ug/L)	NA	NE	NA	Varies	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAHs SW8270D (mg/Kg)																														
Acenaphthene	1,000	NE	8.4	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1,000	15,000	8.4	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	1,000	15,000	40	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benz(a)anthracene	1	15	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	1	15	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	1	15	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	8.4	NE	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	8.4	126.0	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	84	NE	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	1	NE	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1,000	15,000	5.6	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	1,000	15,000	5.6	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	1	NE	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	270	NE	0.56	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	1,000	15,000	5.6	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	1,000	15,000	4	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	1,000	15,000	4	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPLP PAHs SW8270D (ug/Kg)																														
Acenaphthene	NA	NE	NA	420	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	NA	NE	NA	420	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	NE	NA	2,000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benz(a)anthracene	NA	NE	NA	0.06	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	NA	NE	NA	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	NA	NE	NA	0.08	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	NA	NE	NA	0.48	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	NE	NA	0.5	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	NE	NA	4.8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	NE	NA	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	NE	NA	280	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	NE	NA	280	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	NA	NE	NA	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	NE	NA	28	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	NA	NE	NA	280	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	NA	NE	NA	200	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	NE	NA	200	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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NA- Not Applicable
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CT ETPH- Connecticut Department of Public Health
Extractable Total Petroleum Hydrocarbons
PAHs- Polycyclic Aromatic Hydrocarbons
PCBs- Polychlorinated Biphenyls
<x - compound was not above provided reporting limit
Boxed values indicate exceedances of RES DEC
Grey shaded values indicate exceedances of GA PMC
Red shaded values indicate exceedances of SEH
Blue values indicate exceedance of GWPC
2- Asbestos analysis of Bulk Materials via 40 CFR Part 763, Sub. E, App. E/NYS-DOH 198.1 (PLM) by Eastern Analytical Services, Inc.
SPLP PAHs and Pesticides compared to numeric GWPC

TABLE 1
Summary of Investigation Data
Mill Hill Elementary School
Fairfield, Connecticut
Last Updated: 10/26/2021

Sample ID	CTDEEP RSR Criteria				US EPA	B326	B326	B326	B327	B327	B328	B329	B330	B331	B332	B334	B335	B336	B338	B339	B340	B341	B342	B343	B343	B343	B344	B344	B344
	RES DEC	SEH	GA PMC	GWPC		0 - 1 ft 4/14/21 CI00577	1 - 2 ft 4/14/21 CI00578	2 - 3 ft 4/14/21 CI00579	0 - 1 ft 4/14/21 CI00564	0 - 0 ft 4/14/21 CI00565	0 - 1 ft 4/14/21 CI00562	0 - 1 ft 4/14/21 CI00559	0 - 1 ft 4/14/21 CI00555	0 - 1 ft 4/14/21 CI00551	0 - 1 ft 4/14/21 CI00552	0.5 - 1.5 ft 4/15/21 CI00593	0.5 - 1.5 ft 4/15/21 CI00594	0 - 1 ft 4/14/21 CI00554	0 - 1 ft 4/14/21 CI00553	0 - 1 ft 4/14/21 CI00556	0 - 1 ft 4/14/21 CI00560	0 - 1 ft 4/14/21 CI00561	0 - 1 ft 4/14/21 CI00573	0 - 1 ft 4/14/21 CI00566	1 - 2 ft 4/14/21 CI00567	2 - 3 ft 4/14/21 CI00568	0 - 1 ft 4/14/21 CI00569	1 - 2 ft 4/14/21 CI00570	2 - 3 ft 4/14/21 CI00571
Asbestos PLM 198.1 ²	NA	NA	NA	NA	1%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Metals 6010D (mg/Kg)																													
Arsenic	10	150	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead	400	6000	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTETPH 8015D (mg/Kg)	500	NE	500	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs SW8082A (mg/Kg)																													
Total PCBs	1	30	NA	NA	NA	<0.35	<0.36	<0.36	<0.37	<0.33	<0.38	<0.42	<0.39	<0.36	<0.37	<0.36	<0.35	<0.36	<0.37	<0.35	<0.37	<0.38	<0.38	<0.35	<0.37	<0.37	<0.35	<0.35	<0.36
Pesticides 8081B (mg/Kg)																													
DDE, 4,4-	NE	NE	NE	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT, 4,4-	NE	NE	NE	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DDT (Total)	1.8	NE	0.003	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPLP Pesticides 8081B (ug/L)	NA	NE	NA	Varies	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAHs SW8270D (mg/Kg)																													
Acenaphthene	1,000	NE	8.4	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	1,000	15,000	8.4	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	1,000	15,000	40	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benz(a)anthracene	1	15	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	1	15	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	1	15	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	8.4	NE	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	8.4	126.0	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	84	NE	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	1	NE	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	1,000	15,000	5.6	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	1,000	15,000	5.6	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	1	NE	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	270	NE	0.56	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	1,000	15,000	5.6	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	1,000	15,000	4	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	1,000	15,000	4	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPLP PAHs SW8270D (ug/Kg)																													
Acenaphthene	NA	NE	NA	420	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	NA	NE	NA	420	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	NE	NA	2,000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benz(a)anthracene	NA	NE	NA	0.06	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	NA	NE	NA	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	NA	NE	NA	0.08	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	NA	NE	NA	0.48	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	NA	NE	NA	0.5	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	NA	NE	NA	4.8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	NA	NE	NA	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	NE	NA	280	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	NE	NA	280	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	NA	NE	NA	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	NE	NA	28	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	NA	NE	NA	280	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	NA	NE	NA	200	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	NE	NA	200	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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SPLP PAHs and Pesticides compared to numeric GWPC

TABLE 1
Summary of Investigation Data
Mill Hill Elementary School
Fairfield, Connecticut
Last Updated: 10/26/2021

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Sample Depth	RES DEC	SEH	GA PMC	GWPC		0 - 1 ft	1 - 2 ft	2 - 2.5 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	0 - 1 ft	0 - 0 ft	1 - 2 ft	2 - 3 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	
Sample Date						4/13/21	4/13/21	4/13/21	4/13/21	4/13/21	4/13/21	4/14/21	4/14/21	4/14/21	4/14/21	4/14/21	4/14/21	4/14/21	4/14/21	4/13/21	4/13/21	4/13/21	4/13/21	4/13/21	4/13/21	4/13/21	4/14/21	4/14/21	4/14/21	
Lab Sample ID						CI00499	CI00500	CI00501	CI00502	CI00503	CI00504	CI00580	CI00581	CI00572	CI00575	CI00574	CI00576	CI00582	CI00583	CI00506	CI00507	CI00508	CI00512	CI00515	CI00513	CI00514	CI00587	CI00588	CI00589	
Asbestos PLM 198.1 ²	NA	NA	NA	NA	1%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total Metals 6010D (mg/Kg)																														
Arsenic	10	150	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lead	400	6000	NA	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CTETPH 8015D (mg/Kg)	500	NE	500	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PCBs SW8082A (mg/Kg)																														
Total PCBs	1	30	NA	NA	NA	<0.38	<0.39	<0.38	<0.36	<0.4	<0.39	<0.35	<0.35	<0.35	<0.39	<0.38	<0.4	<0.36	<0.4	<0.39	<0.4	<0.38	<0.37	<0.37	<0.36	<0.37	<0.36	<0.35	<0.35	
Pesticides 8081B (mg/Kg)																														
DDE, 4,4-	NE	NE	NE	NA	NA	-	-	-	0.01500	-	-	-	-	-	-	-	-	-	-	<0.0016	-	-	-	-	-	-	<0.0015	-	-	
DDT, 4,4-	NE	NE	NE	NA	NA	-	-	-	0.02600	-	-	-	-	-	-	-	-	-	-	<0.003	-	-	-	-	-	-	-	<0.0015	-	-
DDT (Total)	1.8	NE	0.003	NA	NA	-	-	-	0.041	-	-	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	ND	-	-
SPLP Pesticides 8081B (ug/L)	NA	NE	NA	Varies	NA	-	-	-	BRL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
PAHs SW8270D (mg/Kg)																														
Acenaphthene	1,000	NE	8.4	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Acenaphthylene	1,000	15,000	8.4	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Anthracene	1,000	15,000	40	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benz(a)anthracene	1	15	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(a)pyrene	1	15	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(b)fluoranthene	1	15	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(ghi)perylene	8.4	NE	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(k)fluoranthene	8.4	126.0	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chrysene	84	NE	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dibenz(a,h)anthracene	1	NE	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fluoranthene	1,000	15,000	5.6	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fluorene	1,000	15,000	5.6	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Indeno(1,2,3-cd)pyrene	1	NE	1	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2-Methylnaphthalene	270	NE	0.56	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Naphthalene	1,000	15,000	5.6	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Phenanthrene	1,000	15,000	4	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pyrene	1,000	15,000	4	NA	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SPLP PAHs SW8270D (ug/Kg)																														
Acenaphthene	NA	NE	NA	420	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Acenaphthylene	NA	NE	NA	420	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Anthracene	NA	NE	NA	2,000	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benz(a)anthracene	NA	NE	NA	0.06	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(a)pyrene	NA	NE	NA	0.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(b)fluoranthene	NA	NE	NA	0.08	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(ghi)perylene	NA	NE	NA	0.48	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Benzo(k)fluoranthene	NA	NE	NA	0.5	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chrysene	NA	NE	NA	4.8	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dibenz(a,h)anthracene	NA	NE	NA	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fluoranthene	NA	NE	NA	280	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Fluorene	NA	NE	NA	280	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Indeno(1,2,3-cd)pyrene	NA	NE	NA	0.1	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2-Methylnaphthalene	NA	NE	NA	28	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Naphthalene	NA	NE	NA	280	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Phenanthrene	NA	NE	NA	200	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pyrene	NA	NE	NA	200	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

CTDEEP RSRs- Connecticut Department of Energy and Environmental Protection Remediation Standard Regulations (February 16, 2021) and CTDEEP Additional Polluting Substances (September 20, 2018)
RES DEC-Residential Direct Exposure Criteria
PMC- Pollutant Mobility Criteria
GWPC - Groundwater Protection Criteria
NE- Not established
NA- Not Applicable
SEH - Significant Environmental Hazard
CT ETPH- Connecticut Department of Public Health
Extractable Total Petroleum Hydrocarbons
PAHs- Polycyclic Aromatic Hydrocarbons
PCBs- Polychlorinated Biphenyls
<x - compound was not above provided reporting limit
Boxed values indicate exceedances of RES DEC
Grey shaded values indicate exceedances of GA PMC
Red shaded values indicate exceedances of SEH
Blue values indicate exceedance of GWPC
2- Asbestos analysis of Bulk Materials via 40 CFR Part 763, Sub. E, App. E/NYS-DOH 198.1 (PLM) by Eastern Analytical Services, Inc.
SPLP PAHs and Pesticides compared to numeric GWPC

TABLE 1
Summary of Investigation Data
Mill Hill Elementary School
Fairfield, Connecticut
Last Updated: 10/26/2021

Sample ID	CTDEEP RSR Criteria				US EPA	PILE-1 SS1	PILE-1 SS2
Sample Depth	RES DEC	SEH	GA PMC	GWPC		-	-
Sample Date						4/14/21	4/14/21
Lab Sample ID						CI00590	CI00591
Asbestos PLM 198.1 ²	NA	NA	NA	NA	1%	-	-
Total Metals 6010D (mg/Kg)							
Arsenic	10	150	NA	NA	NA	-	-
Lead	400	6000	NA	NA	NA	-	-
CTETPH 8015D (mg/Kg)	500	NE	500	NA	NA	-	-
PCBs SW8082A (mg/Kg)							
Total PCBs	1	30	NA	NA	NA	<0.38	<0.38
Pesticides 8081B (mg/Kg)							
DDE, 4,4-	NE	NE	NE	NA	NA	-	-
DDT, 4,4-	NE	NE	NE	NA	NA	-	-
DDT (Total)	1.8	NE	0.003	NA	NA	-	-
SPLP Pesticides 8081B (ug/L)	NA	NE	NA	Varies	NA	-	-
PAHs SW8270D (mg/Kg)							
Acenaphthene	1,000	NE	8.4	NA	NA	-	-
Acenaphthylene	1,000	15,000	8.4	NA	NA	-	-
Anthracene	1,000	15,000	40	NA	NA	-	-
Benz(a)anthracene	1	15	1	NA	NA	-	-
Benzo(a)pyrene	1	15	1	NA	NA	-	-
Benzo(b)fluoranthene	1	15	1	NA	NA	-	-
Benzo(ghi)perylene	8.4	NE	1	NA	NA	-	-
Benzo(k)fluoranthene	8.4	126.0	1	NA	NA	-	-
Chrysene	84	NE	1	NA	NA	-	-
Dibenz(a,h)anthracene	1	NE	1	NA	NA	-	-
Fluoranthene	1,000	15,000	5.6	NA	NA	-	-
Fluorene	1,000	15,000	5.6	NA	NA	-	-
Indeno(1,2,3-cd)pyrene	1	NE	1	NA	NA	-	-
2-Methylnaphthalene	270	NE	0.56	NA	NA	-	-
Naphthalene	1,000	15,000	5.6	NA	NA	-	-
Phenanthrene	1,000	15,000	4	NA	NA	-	-
Pyrene	1,000	15,000	4	NA	NA	-	-
SPLP PAHs SW8270D (ug/Kg)							
Acenaphthene	NA	NE	NA	420	NA	-	-
Acenaphthylene	NA	NE	NA	420	NA	-	-
Anthracene	NA	NE	NA	2,000	NA	-	-
Benz(a)anthracene	NA	NE	NA	0.06	NA	-	-
Benzo(a)pyrene	NA	NE	NA	0.2	NA	-	-
Benzo(b)fluoranthene	NA	NE	NA	0.08	NA	-	-
Benzo(ghi)perylene	NA	NE	NA	0.48	NA	-	-
Benzo(k)fluoranthene	NA	NE	NA	0.5	NA	-	-
Chrysene	NA	NE	NA	4.8	NA	-	-
Dibenz(a,h)anthracene	NA	NE	NA	0.1	NA	-	-
Fluoranthene	NA	NE	NA	280	NA	-	-
Fluorene	NA	NE	NA	280	NA	-	-
Indeno(1,2,3-cd)pyrene	NA	NE	NA	0.1	NA	-	-
2-Methylnaphthalene	NA	NE	NA	28	NA	-	-
Naphthalene	NA	NE	NA	280	NA	-	-
Phenanthrene	NA	NE	NA	200	NA	-	-
Pyrene	NA	NE	NA	200	NA	-	-

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RES DEC-Residential Direct Exposure Criteria
PMC- Pollutant Mobility Criteria
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<x - compound was not above provided reporting limit
Boxed values indicate exceedances of RES DEC
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²- Asbestos analysis of Bulk Materials via 40 CFR Part 763, Sub. E, App. E/NYS-DOH 198.1 (PLM) by Eastern Analytical Services, Inc.
SPLP PAHs and Pesticides compared to numeric GWPC

TABLE 2

Summary of Non-Investigation Data
 Mill Hill Elementary School
 Fairfield, Connecticut
 Last Updated: 10/26/2021

Sample ID Sample Depth Sample Date Lab Sample ID	CT RSR Criteria		US EPA	MILL HILL S100	MILL HILL S101	MILL HILL S102
	RES DEC	GA PMC		1.5-1.75 FT 9/4/19 CD98467	1-1.25 FT 9/4/19 CD98468	1-1.25 FT 9/4/19 CD98469
Asbestos PLM 198.1²						
% Amosite	NA	NA	NA	0.0%	0.0%	0.0%
% Chrysotile	NA	NA	NA	0.0%	0.0%	0.0%
% Other	NA	NA	NA	0.0%	0.0%	0.0%
% Total Asbestos	NA	NA	1%	0.0%	0.0%	0.0%
Total Metals 6010D (mg/Kg)						
Arsenic	10	NA	NA	1.91	2.98	2.08
Lead	400	NA	NA	11	3.16	3.71
CTETPH 8015D (mg/Kg)	500	500	NA	<59	<58	<58
PCBs 8082A (mg/Kg)						
Total PCBs	1	NA	NA	<0.39	<0.39	<0.38
PAHs 8270D (mg/Kg)	Varies	Varies	NA	BRL	BRL	BRL
Pesticides 8081B (mg/Kg)	Varies	Varies	NA	BRL	BRL	BRL

CTDEEP RSRs- Connecticut Department of Energy and
 Environmental Protection Remediation Standard
 Regulations (February 16, 2021) and
 CTDEEP Additional Polluting Substances (September 20, 2018)

RES DEC-Residential Direct Exposure Criteria

PMC- Pollutant Mobility Criteria

BRL - Below Reporting Limit

NA- Not Applicable

SEH - Significant Environmental Hazard

CT ETPH- Connecticut Department of Public Health

Extractable Total Petroleum Hydrocarbons

PAHs- Polycyclic Aromatic Hydrocarbons

PCBs- Polychlorinated Biphenyls

<x - compound was not above provided reporting limit

Only compounds reported above reporting limits are shown above

²- Asbestos analysis of Bulk Materials via 40 CFR Part 763,

Sub. E, App. E/NYS-DOH 198.1 (PLM) by Eastern

Analytical Services, Inc.

TABLE 3
Summary of Remediation Sample Analytical Data
Mill Hill Elementary School
Fairfield, Connecticut
Last Updated: 10/26/2021

Sample Name	CTDEEP RSR Criteria			MHB 402 3 ft	MHB 405 3 ft	MHB 408 3 ft	MHB 411 3 ft	MHB 411D 3 ft	MHB 414 2 ft	MHB 417 1 ft	MHB 419 1 ft	MHB 421 1 ft	MHB 423 2 ft	MHB 425 3 ft	MHB 427 3 ft	MHB 427D 3 ft	MHB 429 1 ft	MHB 431 0.5 ft	MHS 401 1.5 ft	MHS 403 1 ft	MHS 404 1.5 ft	MHS 406 1.5 ft	MHS 407 1.5 ft	MHS 409 1.5 ft	MHS 410 1.5 ft
Sample Depth				7/1/2021	7/1/2021	7/1/2021	7/1/2021	7/1/2021	7/1/2021	7/1/2021	7/1/2021	7/1/2021	7/2/2021	7/2/2021	7/2/2021	7/2/2021	7/2/2021	7/2/2021	7/1/2021	7/1/2021	7/1/2021	7/1/2021	7/1/2021	7/1/2021	7/1/2021
Sample Date																									
Lab Sample ID	RES	GA	GWPC	CI66824	CI66827	CI66830	CI66833	CI66834	CI66837	CI66840	CI66842	CI66844	CI67319	CI67321	CI67323	CI67324	CI67326	CI67328	CI66823	CI66825	CI66826	CI66828	CI66829	CI66831	CI66832
Lab Report ID	DEC	PMC		GCI66823	GCI66823	GCI66823	GCI66823	GCI66823	GCI66823	GCI66823	GCI66823	GCI66823	GCI67319	GCI67319	GCI67319	GCI67319	GCI67319	GCI67319	GCI66823	GCI66823	GCI66823	GCI66823	GCI66823	GCI66823	GCI66823
CTETPH 8015D (mg/Kg)	500	500	NA	<59	<54	<56	<56	<57	<280	<57	<57	<58	<63	<60	<59	<60	<60	<59	<51	<280	<55	<59	<60	<62	<59
Metals 6010D (mg/Kg)																									
Arsenic	10	NA	NA	5.09	3.27	2.73	2.18	1.71	2.86	3.37	3.39	4.88	4.96	3.85	3.34	4.46	3.06	5.09	5.4	3.66	4.53	4.19	5.75	4.38	5.07
Lead	400	NA	NA	14	6.12	7.65	9.2	9.33	10.2	8.18	6.71	20.1	8.73	8.62	9.87	14.6	11.3	20.6	3.57	10.2	10.3	17.6	11.8	17.6	17.5
SPLP Metals 6010D (mg/L)																									
Arsenic	NA	0.05	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.004	-	-	-	<0.004	-	-
Lead	NA	0.015	NA	-	-	-	-	-	-	-	-	<0.010	-	-	-	-	-	<0.010	-	-	-	-	-	-	-
Pesticides 8081B (mg/Kg)																									
DDE, 4,4-	NE	NE	NA	<0.0016	<0.0014	<0.0015	<0.0015	<0.0015	<0.0017	<0.0015	<0.0015	<0.0016	<0.0017	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0014	<0.0015	<0.0014	<0.0016	<0.0016	<0.0016	<0.0016
DDT, 4,4-	NE	NE	NA	<0.0016	<0.0014	<0.0015	<0.0015	<0.0015	<0.003	<0.0015	<0.0015	<0.0016	<0.0017	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0014	<0.0015	<0.0014	<0.0016	<0.0016	<0.0016	<0.0016
DDT (Total)	1.8	0.003	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SPLP Pesticides 8081B (ug/L)	NA	NA	Varies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBs 8082A (mg/Kg)																									
PCBs (Total)	1	NA	NA	<0.2	<0.18	<0.18	<0.19	<0.19	<0.18	<0.18	<0.19	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.19	<0.17	<0.18	<0.18	<0.2	<0.2	<0.2	<0.2
PAHs 8270D (mg/Kg)																									
Acenaphthene	1,000	8.4	NA	<0.28	<0.25	<0.26	<0.26	0.26	<0.26	<0.26	<0.27	<0.28	<0.29	<0.28	<0.27	<0.28	<0.27	<0.27	<0.23	<0.25	<0.26	<0.27	<0.28	<0.28	<0.28
Acenaphthylene	1,000	8.4	NA	<0.28	<0.25	<0.26	<0.26	0.26	1	<0.26	0.65	<0.28	<0.29	<0.28	<0.27	<0.28	<0.27	<0.27	<0.23	<0.25	<0.26	<0.27	<0.28	<0.28	<0.28
Anthracene	1,000	40	NA	<0.28	<0.25	<0.26	<0.26	0.26	0.7	<0.26	0.95	<0.28	<0.29	<0.28	<0.27	<0.28	<0.27	<0.27	<0.23	<0.25	<0.26	<0.27	<0.28	<0.28	<0.28
Benzo(a)anthracene	1	1	NA	<0.28	<0.25	<0.26	<0.26	0.35	1.7	<0.26	2	0.32	<0.29	0.38	<0.27	<0.28	<0.27	0.53	<0.23	<0.25	<0.26	<0.27	<0.28	<0.28	<0.28
Benzo(a)pyrene	1	1	NA	<0.28	<0.25	<0.26	0.59	0.26	1.9	<0.26	1.5	0.39	<0.29	0.36	<0.27	0.31	<0.27	0.57	<0.23	<0.25	<0.26	<0.27	<0.28	<0.28	<0.28
Benzo(b)fluoranthene	1	1	NA	<0.28	<0.25	<0.26	0.61	0.26	1.7	<0.26	1.3	0.33	<0.29	0.31	<0.27	<0.28	<0.27	0.52	<0.23	<0.25	<0.26	<0.27	<0.28	<0.28	<0.28
Benzo(g,h,i)perylene	8.4	1	NA	<0.28	<0.25	<0.26	0.36	0.26	1.3	<0.26	0.91	0.28	<0.29	<0.28	<0.27	0.39	<0.27	0.42	<0.23	<0.25	<0.26	<0.27	<0.28	<0.28	<0.28
Benzo(k)fluoranthene	8.4	1	NA	<0.28	<0.25	<0.26	0.41	0.26	1.5	<0.26	1.3	0.29	<0.29	0.3	<0.27	<0.28	<0.27	0.44	<0.23	<0.25	<0.26	<0.27	<0.28	<0.28	<0.28
Chrysene	84	1	NA	<0.28	<0.25	<0.26	0.38	0.26	1.8	<0.26	2.1	0.35	<0.29	0.39	<0.27	<0.28	<0.27	0.52	<0.23	<0.25	<0.26	<0.27	<0.28	<0.28	<0.28
Dibenz(a,h)anthracene	1	1	NA	<0.28	<0.25	<0.26	<0.26	0.26	0.28	<0.26	<0.27	<0.28	<0.29	<0.28	<0.27	<0.28	<0.27	<0.27	<0.23	<0.25	<0.26	<0.27	<0.28	<0.28	<0.28
Fluoranthene	1,000	5.6	NA	<0.28	<0.25	<0.26	0.59	0.26	3.3	<0.26	4.2	0.64	<0.29	1	0.27	0.47	<0.27	1.3	<0.23	<0.25	<0.26	<0.27	<0.28	<0.28	<0.28
Fluorene	1,000	5.6	NA	<0.28	<0.25	<0.26	<0.26	0.26	0.41	<0.26	0.48	<0.28	<0.29	<0.28	<0.27	<0.28	<0.27	<0.27	<0.23	<0.25	<0.26	<0.27	<0.28	<0.28	<0.28
Indeno(1,2,3-cd)pyrene	1	1	NA	<0.28	<0.25	<0.26	0.33	0.26	1.1	<0.26	0.91	<0.28	<0.29	<0.28	<0.27	0.33	<0.27	0.45	<0.23	<0.25	<0.26	<0.27	<0.28	<0.28	<0.28
Methylnaphthalene, 2-	270	0.56	NA	<0.28	<0.25	<0.26	<0.26	0.26	<0.26	<0.26	<0.27	<0.28	<0.29	<0.28	<0.27	<0.28	<0.27	<0.27	<0.23	<0.25	<0.26	<0.27	<0.28	<0.28	<0.28
Naphthalene	1,000	5.6	NA	<0.28	<0.25	<0.26	<0.26	0.26	<0.26	<0.26	<0.27	<0.28	<0.29	<0.28	<0.27	<0.28	<0.27	<0.27	<0.23	<0.25	<0.26	<0.27	<0.28	<0.28	<0.28
Phenanthrene	1,000	4	NA	<0.28	<0.25	<0.26	0.3	0.26	2.3	<0.26	3.8	0.42	<0.29	0.8	<0.27	<0.28	<0.27	0.81	<0.23	<0.25	<0.26	<0.27	<0.28	<0.28	<0.28
Pyrene	1,000	4	NA	<0.28	<0.25	<0.26	0.64	0.26	3.2	<0.26	3.8	0.6	<0.29	0.99	<0.27	0.45	<0.27	1.1	<0.23	<0.25	<0.26	<0.27	<0.28	<0.28	<0.28
SPLP PAHs 8270D (ug/L)							0.3	0.64																	
Acenaphthylene	NA	NA	420	-	-	-	-	-	1.4	-	<0.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthracene	NA	NA	2,000	-	-	-	-	-	0.68	-	<0.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	NA	NA	0.06	-	-	-	-	-	0.06	-	<0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluoranthene	NA	NA	280	-	-	-	-	-	0.82	-	<0.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fluorene	NA	NA	280	-	-	-	-	-	1.7	-	<0.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	NA	NA	280	-	-	-	-	-	0.74	-	<0.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phenanthrene	NA	NA	200	-	-	-	-	-	3.7	-	0.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pyrene	NA	NA	200	-	-	-	-	-	0.60	-	<0.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CTDEEP RSRs- Connecticut Department of Energy and Environmental Protection Remediation Standard Regulations (February 16, 2021) and CTDEEP Additional Polluting Substances (September 20, 2018)
CT ETPH- Connecticut Department of Public Health
Extractable Total Petroleum Hydrocarbons
NE- Not established / NA- Not Applicable
< xx indicates compound was not reported above laboratory limits.
Only parameters reported above reporting limits are summarized above
Results presented in milligrams per kilogram (mg/kg)
PAHs- Polycyclic Aromatic Hydrocarbons
PCBs- Polychlorinated Biphenyls
RES DEC-Residential Direct Exposure Criteria
GA PMC- Pollutant Mobility Criteria in a GA area
Boxed values indicate exceedances of RES DEC
Bold values indicate exceedances of I/C DEC
Gray shaded values indicate exceedance of GA PMC

PAH and Pesticide PMC compliance was demonstrated via SPLP analysis in accordance with CTDEEP RSRs
PMC RES DEC Compliance for PAHs was demonstrated via 95% UCL in accordance with CTDEEP RSRs

TABLE 3
Summary of Remediation Sample Analytical Data
Mill Hill Elementary School
Fairfield, Connecticut
Last Updated: 10/26/2021

Last Updated: 10/26/2021				Excavated														Exccavated		
Sample Name	CTDEEP RSR Criteria			MHS 412	MHS 413	MHS 415	MHS 416	MHS 418	MHS 420	MHS 422	MHS 424	MHS 426	MHS 428	MHS 430	MHS 432	MHS 433	MHS 501	MHB 502	MHB 503	
Sample Depth				1.5 ft	1.5 ft	0.5 ft	1 ft	0.5 ft	0.5 ft	0.5 ft	18 in	18 in	0.5 ft	0.5 ft	0.5 ft	0.5 ft	0 - 2 ft	3 ft	4 ft	
Sample Date				7/1/2021	7/1/2021	7/1/2021	7/1/2021	7/1/2021	7/1/2021	7/1/2021	7/2/2021	7/2/2021	7/2/2021	7/2/2021	7/2/2021	7/2/2021	7/15/2021	7/15/2021	7/20/21	
Lab Sample ID	RES	GA	GWPC	CI66835	CI66836	CI66838	CI66839	CI66841	CI66843	CI66845	CI67320	CI67322	CI67325	CI67327	CI67329	CI67330	CI75185	CI75186	CI77255	
Lab Report ID	DEC	PMC		GCI66823	GCI66823	GCI66823	GCI66823	GCI66823	GCI66823	GCI66823	GCI67319	GCI67319	GCI67319	GCI67319	GCI67319	GCI67319	GCI75185	GCI75185	GCI77255	
CTETPH 8015D (mg/Kg)	500	500	NA	<57	<57	<57	<57	<58	<57	<59	<330	<310	<120	<63	<57	<57	-	-	-	
Metals 6010D (mg/Kg)																				
Arsenic	10	NA	NA	5.46	3.27	4.02	3.71	2.8	3.83	3.48	6.97	6.86	3.87	5.33	3.54	2.73	-	-	-	
Lead	400	NA	NA	17.6	8.45	11.4	12.5	6.81	11.5	14.8	25.6	26.5	15.4	22	12.7	9.55	-	-	-	
SPLP Metals 6010D (mg/L)																				
Arsenic	NA	0.05	NA	<0.004	-	-	-	-	-	-	<0.004	<0.004	-	<0.004	-	-				
Lead	NA	0.015	NA	<0.010	-	-	-	-	-	-	<0.010	<0.010	-	<0.010	-	-				
Pesticides 8081B (mg/Kg)																				
DDE, 4,4-	NE	NE	NA	<0.00075	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0016	<0.0018	0.0049	<0.0021	<0.0017	<0.0015	<0.0015	-	-	-	
DDT, 4,4-	NE	NE	NA	<0.00075	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0016	<0.0018	0.0078	<0.0021	<0.0017	<0.0015	<0.0015	-	-	-	
DDT (Total)	1.8	0.003	NA	ND	ND	ND	ND	ND	ND	ND	ND	0.0127	ND	ND	ND	ND	-	-	-	
SPLP Pesticides 8081B (ug/L)	NA	NA	Varies	-	-	-	-	-	-	-	-	ND	-	-	-	-	-	-	-	
PCBs 8082A (mg/Kg)																				
PCBs (Total)	1	NA	NA	<0.19	<0.19	<0.18	<0.19	<0.19	<0.19	<0.2	<0.22	<0.2	<0.26	<0.21	<0.19	<0.19	-	-	-	
PAHs 8270D (mg/Kg)																				
Acenaphthene	1,000	8.4	NA	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	0.39	<0.31	<0.28	<0.36	<0.3	<0.26	<0.27	<0.280	<0.270	<0.270	
Acenaphthylene	1,000	8.4	NA	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	2.7	0.33	<0.28	<0.36	<0.3	<0.26	<0.27	<0.280	1.6	<0.270	
Anthracene	1,000	40	NA	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	2.2	<0.31	<0.28	<0.36	<0.3	<0.26	<0.27	<0.280	2.1	<0.270	
Benzo(a)anthracene	1	1	NA	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	4.3	0.57	0.48	<0.36	<0.3	0.29	<0.27	<0.280	4.3	<0.270	
Benzo(a)pyrene	1	1	NA	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	4.3	0.7	0.57	<0.36	<0.3	0.28	<0.27	<0.280	3.3	<0.270	
Benzo(b)fluoranthene	1	1	NA	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	3.4	0.64	0.54	<0.36	<0.3	<0.26	<0.27	<0.280	3.8	<0.270	
Benzo(g,h,i)perylene	8.4	1	NA	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	2.8	0.41	0.37	<0.36	<0.3	<0.26	<0.27	<0.280	2.7	<0.270	
Benzo(k)fluoranthene	8.4	1	NA	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	3	0.63	0.53	<0.36	<0.3	<0.26	<0.27	<0.280	2.6	<0.270	
Chrysene	84	1	NA	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	4.4	0.63	0.55	<0.36	<0.3	0.27	<0.27	<0.280	3.5	<0.270	
Dibenz(a,h)anthracene	1	1	NA	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	0.64	<0.31	<0.28	<0.36	<0.3	<0.26	<0.27	<0.280	0.54	<0.270	
Fluoranthene	1,000	5.6	NA	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	13	1.1	0.95	<0.36	0.37	0.68	0.52	<0.280	16	<0.270	
Fluorene	1,000	5.6	NA	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	1.7	<0.31	<0.28	<0.36	<0.3	<0.26	<0.27	<0.280	1.3	<0.270	
Indeno(1,2,3-cd)pyrene	1	1	NA	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	2.8	0.46	0.42	<0.36	<0.3	<0.26	<0.27	<0.280	3.1	<0.270	
Methylnaphthalene, 2-	270	0.56	NA	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	0.58	<0.31	<0.28	<0.36	<0.3	<0.26	<0.27	<0.280	<0.270	<0.270	
Naphthalene	1,000	5.6	NA	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	0.68	<0.31	<0.28	<0.36	<0.3	<0.26	<0.27	<0.280	0.3	<0.270	
Phenanthrene	1,000	4	NA	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	13	0.44	0.38	<0.36	<0.3	0.43	0.31	<0.280	14	<0.270	
Pyrene	1,000	4	NA	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	12	1.1	0.96	<0.36	0.32	0.57	0.44	<0.280	12	<0.270	
SPLP PAHs 8270D (ug/L)																				
Acenaphthylene	NA	NA	420	-	-	-	-	-	-	<0.32	-	-	-	-	-	-	-	-	-	
Anthracene	NA	NA	2,000	-	-	-	-	-	-	<0.53	-	-	-	-	-	-	-	-	-	
Benzo(a)anthracene	NA	NA	0.06	-	-	-	-	-	-	<0.05	-	-	-	-	-	-	-	-	-	
Fluoranthene	NA	NA	280	-	-	-	-	-	-	<0.53	-	-	-	-	-	-	-	-	-	
Fluorene	NA	NA	280	-	-	-	-	-	-	<0.53	-	-	-	-	-	-	-	-	-	
Naphthalene	NA	NA	280	-	-	-	-	-	-	<0.53	-	-	-	-	-	-	-	-	-	
Phenanthrene	NA	NA	200	-	-	-	-	-	-	<0.06	-	-	-	-	-	-	-	-	-	
Pyrene	NA	NA	200	-	-	-	-	-	-	<0.53	-	-	-	-	-	-	-	-	-	

CTDEEP RSRs- Connecticut Department of Energy and Environmental Protection Remediation Standard Regulations (February 16, 2021) and CTDEEP Additional Polluting Substances (September 20, 2018)
CT ETPH- Connecticut Department of Public Health Extractable Total Petroleum Hydrocarbons
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PAHs- Polycyclic Aromatic Hydrocarbons
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RES DEC-Residential Direct Exposure Criteria
GA PMC- Pollutant Mobility Criteria in a GA area
Boxed values indicate exceedances of RES DEC
Bold values indicate exceedances of I/C DEC
Gray shaded values indicate exceedance of GA PMC

PAH and Pesticide PMC compliance was demonstrated via SPLP analysis in accordance with CTDEEP RSRs
PMC RES DEC Compliance for PAHs was demonstrated via 95% UCL in accordance with CTDEEP RSRs

Appendix C - Photographic Log

Client: Town of Fairfield

Job Number: 15-0439

Mill Hill Elementary School

Site: 635 Mill Hill Terrace, Southport (Fairfield), CT

Photograph No.: 1	Date: 8/20/2019	Direction Taken: Facing Easterly
Description: Pre-Excavation Conditions - North Side of ADA Sidewalk (MILL HILL S2 Location)		
		

Photograph No.: 2	Date: 8/20/2019	Direction Taken: Facing Northerly
Description: Pre-Excavation Conditions - ADA Sidewalk		
		

Appendix C - Photographic Log

Client: Town of Fairfield

Job Number: 15-0439

Mill Hill Elementary School

Site: 635 Mill Hill Terrace, Southport (Fairfield), CT

Photograph No.: 3	Date: 4/15/2021	Direction Taken: Not Applicable
Description: Test Pit Cross-Section (Julian Fill layer in upper foot)		
		

Photograph No.: 4	Date: 6/25/2021	Direction Taken: Facing Westerly
Description: Pre-Excavation Conditions—ADA Sidewalk (area used as lay down yard)		
		

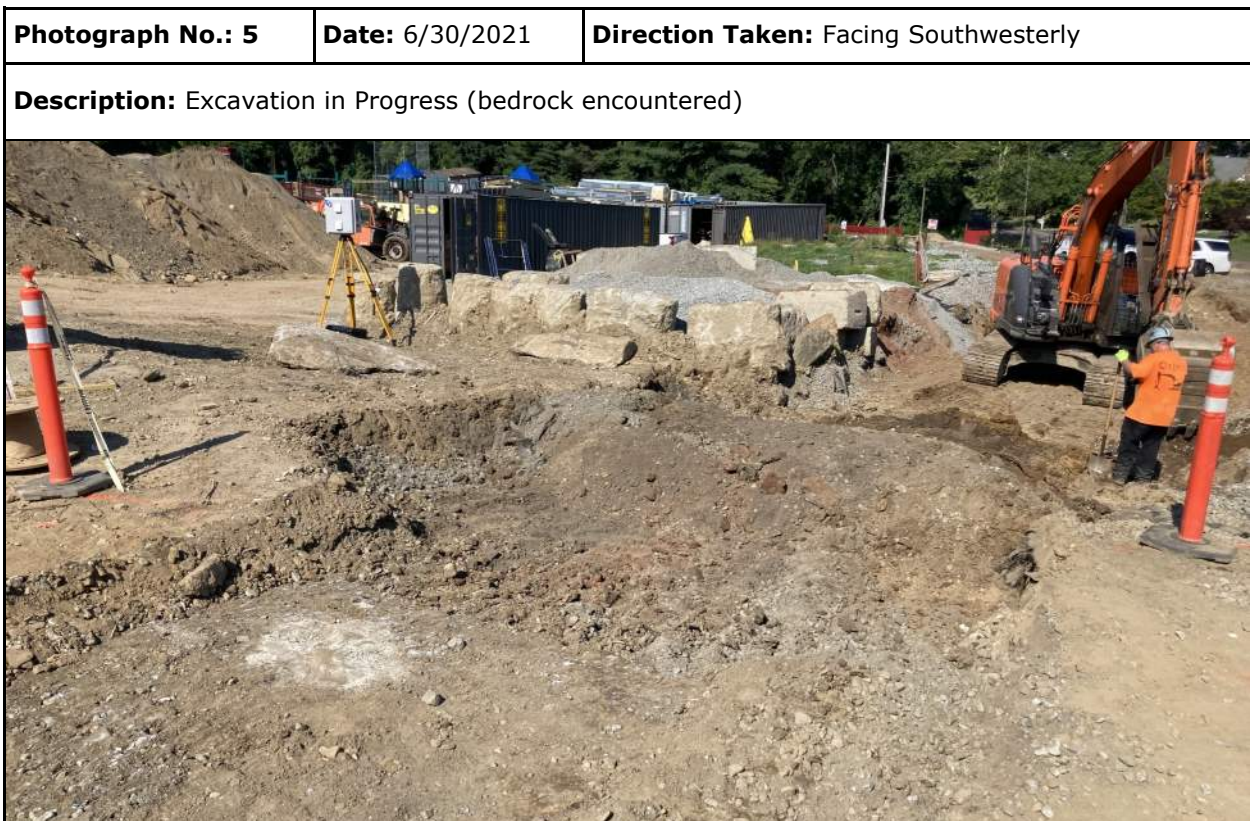
Appendix C - Photographic Log

Client: Town of Fairfield

Job Number: 15-0439

Mill Hill Elementary School

Site: 635 Mill Hill Terrace, Southport (Fairfield), CT




Appendix C - Photographic Log

Client: Town of Fairfield

Job Number: 15-0439

Mill Hill Elementary School

Site: 635 Mill Hill Terrace, Southport (Fairfield), CT

Photograph No.: 7	Date: 6/30/2021	Direction Taken: Facing Southwesterly
Description: Excavation in Progress (west portion of remedial area)		
		

Photograph No.: 8	Date: 7/2/2021	Direction Taken: Not Applicable
Description: Direct Loading		
		

Appendix C - Photographic Log

Client: Town of Fairfield

Job Number: 15-0439

Mill Hill Elementary School

Site: 635 Mill Hill Terrace, Southport (Fairfield), CT

Photograph No.: 9	Date: 7/20/2021	Direction Taken: Not Applicable
Description: Excavated Julian Fill Material Close Up		
		

Photograph No.: 10	Date: 7/2/2021	Direction Taken: Not Applicable
Description: Aerial Photograph of Excavation Area		
		



Friday, August 23, 2019

Attn: Mr. Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Project ID: 150439020- MILL HILL
SDG ID: GCD88972
Sample ID#s: CD88972 - CD88974

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Sample Id Cross Reference

August 23, 2019

SDG I.D.: GCD88972

Project ID: 150439020- MILL HILL

Client Id	Lab Id	Matrix
MILL HILL S1	CD88972	SOIL
MILL HILL S2	CD88973	SOIL
MILL HILL S3	CD88974	SOIL



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 23, 2019

FOR: Attn: Mr. Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE
Rush Request: 24 Hour
P.O.#:

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

08/20/19 13:15
08/20/19 17:57

Time

Laboratory Data

SDG ID: GCD88972
Phoenix ID: CD88972

Project ID: 150439020- MILL HILL
Client ID: MILL HILL S1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	3.22	0.82	mg/Kg	1	08/21/19	CPP	SW6010D
Lead	14.8	0.41	mg/Kg	1	08/21/19	CPP	SW6010D
Percent Solid	75		%		08/20/19	VT	SW846-%Solid
Soil Extraction SVOA PAH	Completed				08/20/19	NT/LV	SW3545A
Extraction of CT ETPH	Completed				08/20/19	GG/VL	SW3545A
Extraction for PCB	Completed				08/20/19	BX/KL/VT	SW3540C
Total Metals Digest	Completed				08/20/19	JJ/AG	SW3050B
Asbestos	ND	0	%		08/21/19	*	NYSDOH 198.1 PLM C

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	95	mg/Kg	1	08/21/19	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	08/21/19	JRB	CTETPH 8015D

QA/QC Surrogates

% n-Pentacosane	56		%	1	08/21/19	JRB	50 - 150 %
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PCB (Soxhlet SW3540C)

PCB-1016	ND	440	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1221	ND	440	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1232	ND	440	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1242	ND	440	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1248	ND	440	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1254	ND	440	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1260	ND	440	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1262	ND	440	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1268	ND	440	ug/Kg	10	08/21/19	SC	SW8082A

QA/QC Surrogates

% DCBP	86		%	10	08/21/19	SC	30 - 150 %
% DCBP (Confirmation)	78		%	10	08/21/19	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX	91		%	10	08/21/19	SC	30 - 150 %
% TCMX (Confirmation)	89		%	10	08/21/19	SC	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	2400	1500	ug/Kg	5	08/21/19	WB	SW8270D
Acenaphthene	ND	1500	ug/Kg	5	08/21/19	WB	SW8270D
Acenaphthylene	6300	1500	ug/Kg	5	08/21/19	WB	SW8270D
Anthracene	6200	1500	ug/Kg	5	08/21/19	WB	SW8270D
Benz(a)anthracene	14000	1500	ug/Kg	5	08/21/19	WB	SW8270D
Benzo(a)pyrene	13000	1500	ug/Kg	5	08/21/19	WB	SW8270D
Benzo(b)fluoranthene	11000	1500	ug/Kg	5	08/21/19	WB	SW8270D
Benzo(ghi)perylene	8700	1500	ug/Kg	5	08/21/19	WB	SW8270D
Benzo(k)fluoranthene	10000	1500	ug/Kg	5	08/21/19	WB	SW8270D
Chrysene	14000	1500	ug/Kg	5	08/21/19	WB	SW8270D
Dibenz(a,h)anthracene	2300	1500	ug/Kg	5	08/21/19	WB	SW8270D
Fluoranthene	27000	1500	ug/Kg	5	08/21/19	WB	SW8270D
Fluorene	5400	1500	ug/Kg	5	08/21/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	9400	1500	ug/Kg	5	08/21/19	WB	SW8270D
Naphthalene	3600	1500	ug/Kg	5	08/21/19	WB	SW8270D
Phenanthrene	26000	1500	ug/Kg	5	08/21/19	WB	SW8270D
Pyrene	24000	1500	ug/Kg	5	08/21/19	WB	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl (5x)	61		%	5	08/21/19	WB	30 - 130 %
% Nitrobenzene-d5 (5x)	53		%	5	08/21/19	WB	30 - 130 %
% Terphenyl-d14 (5x)	57		%	5	08/21/19	WB	30 - 130 %

C = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Semi-Volatile Comment:

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

Asbestos (NYSDOH 198.1 PLM) was analyzed by CT certified lab #PH-0622.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

August 23, 2019

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 23, 2019

FOR: Attn: Mr. Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE
Rush Request: 24 Hour
P.O.#:

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

08/20/19 13:40
08/20/19 17:57

Time

Laboratory Data

SDG ID: GCD88972
Phoenix ID: CD88973

Project ID: 150439020- MILL HILL
Client ID: MILL HILL S2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	7.60	0.71	mg/Kg	1	08/21/19	CPP	SW6010D
Lead	110	0.36	mg/Kg	1	08/21/19	CPP	SW6010D
Percent Solid	89		%		08/20/19	VT	SW846-%Solid
Soil Extraction SVOA PAH	Completed				08/20/19	NT/LV	SW3545A
Extraction of CT ETPH	Completed				08/20/19	GG/VL	SW3545A
Extraction for PCB	Completed				08/20/19	BX/KL/VT	SW3540C
Total Metals Digest	Completed				08/20/19	JJ/AG	SW3050B
Asbestos	ND	0	%		08/21/19	*	NYSDOH 198.1 PLM C

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	180	56	mg/Kg	1	08/21/19	JRB	CTETPH 8015D
Identification	**		mg/Kg	1	08/21/19	JRB	CTETPH 8015D

QA/QC Surrogates

% n-Pentacosane	112		%	1	08/21/19	JRB	50 - 150 %
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PCB (Soxhlet SW3540C)

PCB-1016	ND	370	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1221	ND	370	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1232	ND	370	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1242	ND	370	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1248	ND	370	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1254	ND	370	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1260	ND	370	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1262	ND	370	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1268	ND	370	ug/Kg	10	08/21/19	SC	SW8082A

QA/QC Surrogates

% DCBP	87		%	10	08/21/19	SC	30 - 150 %
% DCBP (Confirmation)	68		%	10	08/21/19	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX	87		%	10	08/21/19	SC	30 - 150 %
% TCMX (Confirmation)	82		%	10	08/21/19	SC	30 - 150 %
<u>Polynuclear Aromatic HC</u>							
2-Methylnaphthalene	ND	560	ug/Kg	5	08/21/19	WB	SW8270D
Acenaphthene	ND	1300	ug/Kg	5	08/21/19	WB	SW8270D
Acenaphthylene	2500	1300	ug/Kg	5	08/21/19	WB	SW8270D
Anthracene	2800	1300	ug/Kg	5	08/21/19	WB	SW8270D
Benz(a)anthracene	7700	1300	ug/Kg	5	08/21/19	WB	SW8270D
Benzo(a)pyrene	7700	1300	ug/Kg	5	08/21/19	WB	SW8270D
Benzo(b)fluoranthene	6100	1300	ug/Kg	5	08/21/19	WB	SW8270D
Benzo(ghi)perylene	4600	1300	ug/Kg	5	08/21/19	WB	SW8270D
Benzo(k)fluoranthene	5700	1300	ug/Kg	5	08/21/19	WB	SW8270D
Chrysene	8200	1300	ug/Kg	5	08/21/19	WB	SW8270D
Dibenz(a,h)anthracene	1100	1000	ug/Kg	5	08/21/19	WB	SW8270D
Fluoranthene	14000	1300	ug/Kg	5	08/21/19	WB	SW8270D
Fluorene	1700	1300	ug/Kg	5	08/21/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	4900	1300	ug/Kg	5	08/21/19	WB	SW8270D
Naphthalene	ND	1300	ug/Kg	5	08/21/19	WB	SW8270D
Phenanthrene	12000	1300	ug/Kg	5	08/21/19	WB	SW8270D
Pyrene	13000	1300	ug/Kg	5	08/21/19	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl (5x)	73		%	5	08/21/19	WB	30 - 130 %
% Nitrobenzene-d5 (5x)	64		%	5	08/21/19	WB	30 - 130 %
% Terphenyl-d14 (5x)	60		%	5	08/21/19	WB	30 - 130 %

C = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Semi-Volatile Comment:

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

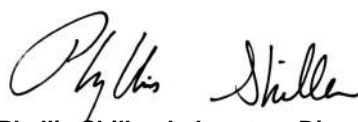
TPH Comment:

**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C14 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

Asbestos (NYSDOH 198.1 PLM) was analyzed by CT certified lab #PH-0622.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

August 23, 2019

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 23, 2019

FOR: Attn: Mr. Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE
Rush Request: 24 Hour
P.O.#:

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

08/20/19 13:50
08/20/19 17:57

Time

Laboratory Data

SDG ID: GCD88972
Phoenix ID: CD88974

Project ID: 150439020- MILL HILL
Client ID: MILL HILL S3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	8.45	0.70	mg/Kg	1	08/21/19	CPP	SW6010D
Lead	34.0	0.35	mg/Kg	1	08/21/19	CPP	SW6010D
Percent Solid	93		%		08/20/19	VT	SW846-%Solid
Soil Extraction SVOA PAH	Completed				08/20/19	NT/LV	SW3545A
Extraction of CT ETPH	Completed				08/20/19	GG/VL	SW3545A
Extraction for PCB	Completed				08/20/19	BX/KL/VT	SW3540C
Total Metals Digest	Completed				08/20/19	JJ/AG	SW3050B
Asbestos	ND	0	%		08/21/19	*	NYSDOH 198.1 PLM C

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	53	mg/Kg	1	08/21/19	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	08/21/19	JRB	CTETPH 8015D

QA/QC Surrogates

% n-Pentacosane	83		%	1	08/21/19	JRB	50 - 150 %
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PCB (Soxhlet SW3540C)

PCB-1016	ND	350	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1221	ND	350	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1232	ND	350	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1242	ND	350	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1248	ND	350	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1254	ND	350	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1260	ND	350	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1262	ND	350	ug/Kg	10	08/21/19	SC	SW8082A
PCB-1268	ND	350	ug/Kg	10	08/21/19	SC	SW8082A

QA/QC Surrogates

% DCBP	102		%	10	08/21/19	SC	30 - 150 %
% DCBP (Confirmation)	83		%	10	08/21/19	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX	102		%	10	08/21/19	SC	30 - 150 %
% TCMX (Confirmation)	98		%	10	08/21/19	SC	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	240	ug/Kg	1	08/21/19	WB	SW8270D
Acenaphthene	ND	240	ug/Kg	1	08/21/19	WB	SW8270D
Acenaphthylene	ND	240	ug/Kg	1	08/21/19	WB	SW8270D
Anthracene	ND	240	ug/Kg	1	08/21/19	WB	SW8270D
Benz(a)anthracene	ND	240	ug/Kg	1	08/21/19	WB	SW8270D
Benzo(a)pyrene	ND	240	ug/Kg	1	08/21/19	WB	SW8270D
Benzo(b)fluoranthene	ND	240	ug/Kg	1	08/21/19	WB	SW8270D
Benzo(ghi)perylene	ND	240	ug/Kg	1	08/21/19	WB	SW8270D
Benzo(k)fluoranthene	ND	240	ug/Kg	1	08/21/19	WB	SW8270D
Chrysene	ND	240	ug/Kg	1	08/21/19	WB	SW8270D
Dibenz(a,h)anthracene	ND	240	ug/Kg	1	08/21/19	WB	SW8270D
Fluoranthene	370	240	ug/Kg	1	08/21/19	WB	SW8270D
Fluorene	ND	240	ug/Kg	1	08/21/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	08/21/19	WB	SW8270D
Naphthalene	ND	240	ug/Kg	1	08/21/19	WB	SW8270D
Phenanthrene	ND	240	ug/Kg	1	08/21/19	WB	SW8270D
Pyrene	340	240	ug/Kg	1	08/21/19	WB	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl	71		%	1	08/21/19	WB	30 - 130 %
% Nitrobenzene-d5	71		%	1	08/21/19	WB	30 - 130 %
% Terphenyl-d14	70		%	1	08/21/19	WB	30 - 130 %

C = This parameter is subcontracted.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

Asbestos (NYSDOH 198.1 PLM) was analyzed by CT certified lab #PH-0622.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

August 23, 2019

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

August 23, 2019

QA/QC Data

SDG I.D.: GCD88972

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 493259 (mg/kg), QC Sample No: CD88973 (CD88972, CD88973, CD88974)													
<u>ICP Metals - Soil</u>													
Arsenic	BRL	0.67	7.60	8.74	14.0	94.1	96.5	2.5	88.6			75 - 125	30
Lead	BRL	0.33	110	127	14.3	91.5	93.2	1.8	98.5			75 - 125	30



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

August 23, 2019

QA/QC Data

SDG I.D.: GCD88972

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 493254 (mg/Kg), QC Sample No: CD88028 (CD88972, CD88973, CD88974)										
<u>TPH by GC (Extractable Products) - Soil</u>										
Ext. Petroleum H.C. (C9-C36)	ND	50	86	103	18.0	109	119	8.8	60 - 120	30
% n-Pentacosane	41	%	57	72	23.3	84	85	1.2	50 - 150	30
Comment:										

Additional surrogate criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%. The ETPH/DRO LCS has been normalized based on the alkane calibration.

QA/QC Batch 493257 (ug/Kg), QC Sample No: CD88974 10X (CD88972, CD88973, CD88974)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	170	70	72	2.8	103	83	21.5	40 - 140	30
PCB-1221	ND	170							40 - 140	30
PCB-1232	ND	170							40 - 140	30
PCB-1242	ND	170							40 - 140	30
PCB-1248	ND	170							40 - 140	30
PCB-1254	ND	170							40 - 140	30
PCB-1260	ND	170	69	82	17.2	109	95	13.7	40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	86	%	72	80	10.5	99	92	7.3	30 - 150	30
% DCBP (Surrogate Rec) (Confirm	86	%	72	60	18.2	70	66	5.9	30 - 150	30
% TCMX (Surrogate Rec)	82	%	73	73	0.0	97	77	23.0	30 - 150	30
% TCMX (Surrogate Rec) (Confirm	82	%	73	66	10.1	83	66	22.8	30 - 150	30

QA/QC Batch 493248 (ug/kg), QC Sample No: CD88023 (CD88972, CD88973, CD88974)

Polynuclear Aromatic HC - Soil

2-Methylnaphthalene	ND	230	67	61	9.4	62	66	6.3	30 - 130	30
Acenaphthene	ND	230	77	66	15.4	72	73	1.4	30 - 130	30
Acenaphthylene	ND	230	76	67	12.6	73	74	1.4	30 - 130	30
Anthracene	ND	230	76	68	11.1	75	74	1.3	30 - 130	30
Benz(a)anthracene	ND	230	80	72	10.5	82	82	0.0	30 - 130	30
Benzo(a)pyrene	ND	230	78	71	9.4	79	80	1.3	30 - 130	30
Benzo(b)fluoranthene	ND	230	83	75	10.1	80	81	1.2	30 - 130	30
Benzo(ghi)perylene	ND	230	74	58	24.2	63	62	1.6	30 - 130	30
Benzo(k)fluoranthene	ND	230	78	74	5.3	84	86	2.4	30 - 130	30
Chrysene	ND	230	80	72	10.5	82	83	1.2	30 - 130	30
Dibenz(a,h)anthracene	ND	230	82	64	24.7	71	71	0.0	30 - 130	30
Fluoranthene	ND	230	77	68	12.4	78	78	0.0	30 - 130	30
Fluorene	ND	230	77	67	13.9	75	74	1.3	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	230	83	64	25.9	71	70	1.4	30 - 130	30
Naphthalene	ND	230	62	55	12.0	56	62	10.2	30 - 130	30
Phenanthrene	ND	230	76	66	14.1	76	78	2.6	30 - 130	30
Pyrene	ND	230	77	68	12.4	77	78	1.3	30 - 130	30
% 2-Fluorobiphenyl	72	%	71	61	15.2	65	67	3.0	30 - 130	30

QA/QC Data

SDG I.D.: GCD88972

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Nitrobenzene-d5	67	%	68	60	12.5	62	66	6.3	30 - 130	30
% Terphenyl-d14	68	%	69	61	12.3	67	66	1.5	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

s = This parameter is outside laboratory Blank Surrogate specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

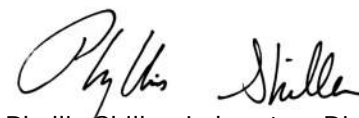
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director
August 23, 2019

Friday, August 23, 2019

Criteria: CT: GAM, RC

State: CT

Sample Criteria Exceedances Report

GCD88972 - TIGHE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CD88972	\$8100SMR	Benzo(ghi)perylene	CT / RSR DEC RES (mg/kg) / APS Organics	8700	1500	8400	8400	ug/Kg
CD88972	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR DEC RES (mg/kg) / APS Organics	9400	1500	1000	1000	ug/Kg
CD88972	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR DEC RES (mg/kg) / APS Organics	2300	1500	1000	1000	ug/Kg
CD88972	\$8100SMR	Benzo(k)fluoranthene	CT / RSR DEC RES (mg/kg) / Semivolatiles	10000	1500	8400	8400	ug/Kg
CD88972	\$8100SMR	Benzo(b)fluoranthene	CT / RSR DEC RES (mg/kg) / Semivolatiles	11000	1500	1000	1000	ug/Kg
CD88972	\$8100SMR	Benzo(a)pyrene	CT / RSR DEC RES (mg/kg) / Semivolatiles	13000	1500	1000	1000	ug/Kg
CD88972	\$8100SMR	Benz(a)anthracene	CT / RSR DEC RES (mg/kg) / Semivolatiles	14000	1500	1000	1000	ug/Kg
CD88972	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR GA,GAA (mg/kg) / APS Organics	9400	1500	1000	1000	ug/Kg
CD88972	\$8100SMR	2-Methylnaphthalene	CT / RSR GA,GAA (mg/kg) / APS Organics	2400	1500	560	560	ug/Kg
CD88972	\$8100SMR	Chrysene	CT / RSR GA,GAA (mg/kg) / APS Organics	14000	1500	1000	1000	ug/Kg
CD88972	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR GA,GAA (mg/kg) / APS Organics	2300	1500	1000	1000	ug/Kg
CD88972	\$8100SMR	Benzo(ghi)perylene	CT / RSR GA,GAA (mg/kg) / APS Organics	8700	1500	1000	1000	ug/Kg
CD88972	\$8100SMR	Benzo(a)pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	13000	1500	1000	1000	ug/Kg
CD88972	\$8100SMR	Benzo(b)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	11000	1500	1000	1000	ug/Kg
CD88972	\$8100SMR	Benzo(k)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	10000	1500	1000	1000	ug/Kg
CD88972	\$8100SMR	Benz(a)anthracene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	14000	1500	1000	1000	ug/Kg
CD88972	\$8100SMR	Fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	27000	1500	5600	5600	ug/Kg
CD88972	\$8100SMR	Pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	24000	1500	4000	4000	ug/Kg
CD88972	\$8100SMR	Phenanthrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	26000	1500	4000	4000	ug/Kg
CD88973	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR DEC RES (mg/kg) / APS Organics	4900	1300	1000	1000	ug/Kg
CD88973	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR DEC RES (mg/kg) / APS Organics	1100	1000	1000	1000	ug/Kg
CD88973	\$8100SMR	Benz(a)anthracene	CT / RSR DEC RES (mg/kg) / Semivolatiles	7700	1300	1000	1000	ug/Kg
CD88973	\$8100SMR	Benzo(a)pyrene	CT / RSR DEC RES (mg/kg) / Semivolatiles	7700	1300	1000	1000	ug/Kg
CD88973	\$8100SMR	Benzo(b)fluoranthene	CT / RSR DEC RES (mg/kg) / Semivolatiles	6100	1300	1000	1000	ug/Kg
CD88973	\$8100SMR	Benzo(ghi)perylene	CT / RSR GA,GAA (mg/kg) / APS Organics	4600	1300	1000	1000	ug/Kg
CD88973	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR GA,GAA (mg/kg) / APS Organics	4900	1300	1000	1000	ug/Kg
CD88973	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR GA,GAA (mg/kg) / APS Organics	1100	1000	1000	1000	ug/Kg
CD88973	\$8100SMR	Chrysene	CT / RSR GA,GAA (mg/kg) / APS Organics	8200	1300	1000	1000	ug/Kg
CD88973	\$8100SMR	Benzo(b)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	6100	1300	1000	1000	ug/Kg
CD88973	\$8100SMR	Benzo(a)pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	7700	1300	1000	1000	ug/Kg
CD88973	\$8100SMR	Fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	14000	1300	5600	5600	ug/Kg
CD88973	\$8100SMR	Benz(a)anthracene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	7700	1300	1000	1000	ug/Kg
CD88973	\$8100SMR	Pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	13000	1300	4000	4000	ug/Kg
CD88973	\$8100SMR	Phenanthrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	12000	1300	4000	4000	ug/Kg
CD88973	\$8100SMR	Benzo(k)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	5700	1300	1000	1000	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedances. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedance information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc.

Client: Tighe & Bond

Project Location: 150439020- MILL HILL

Project Number:

Laboratory Sample ID(s): CD88972-CD88974

Sampling Date(s): 8/20/2019

List RCP Methods Used (e.g., 8260, 8270, et cetera) 6010, 8082, 8270, ETPH

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	<u>VPH and EPH methods only:</u> Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

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.

Authorized Signature: Rashmi Makol **Position:** Project Manager

Printed Name: Rashmi Makol **Date:** Friday, August 23, 2019

Name of Laboratory Phoenix Environmental Labs, Inc.

This certification form is to be used for RCP methods only.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

August 23, 2019

SDG I.D.: GCD88972

SDG Comments

Metals Analysis:

The client requested a shorter list of elements than the 6010 RCP list. Only Arsenic and Lead are reported as requested on the chain of custody.

8270 Semi-volatile Organics:

The client requested a short list for 8270 RCP Semivolatile. Only the PAH constituents are reported as requested on the chain-of-custody.

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

AU-FID1 08/20/19-1

Jeff Bucko, Chemist 08/20/19

CD88973

The initial calibration (ETPH808I) RSD for the compound list was less than 30% except for the following compounds: None. As per section 7.2.3, a discrimination check standard was run (820A003_1) and contained the following outliers: None. The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

AU-FID11 08/21/19-1

Jeff Bucko, Chemist 08/21/19

CD88972

The initial calibration (ETPH807I) RSD for the compound list was less than 30% except for the following compounds: None. As per section 7.2.3, a discrimination check standard was run (821A003_1) and contained the following outliers: None. The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

AU-XL1 08/21/19-1

Jeff Bucko, Chemist 08/21/19

CD88974

The initial calibration (ETPH805I) RSD for the compound list was less than 30% except for the following compounds: None. As per section 7.2.3, a discrimination check standard was run (821A003_1) and contained the following outliers: None. The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

QC (Batch Specific):

Batch 493254 (CD88028)

CD88972, CD88973, CD88974

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Additional surrogate criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%. The ETPH/DRO LCS has been normalized based on the alkane calibration.

ICP Metals Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

ARCOS 08/20/19 08:03

Cindy Pearce, Chemist 08/20/19

CD88972, CD88973, CD88974

Additional criteria for CCV and ICSAB:



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Certification Report

August 23, 2019

SDG I.D.: GCD88972

ICP Metals Narration

Sodium and Potassium are poor performing elements, the laboratory's in-house limits are 85-115% (CCV) and 70-130% (ICSAB). The linear range is defined daily by the calibration range.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

QC (Site Specific):

Batch 493259 (CD88973)

CD88972, CD88973, CD88974

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 75 - 125 with the following exceptions: None.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

AU-ECD29 08/21/19-1

Saadia Chudary, Chemist 08/21/19

CD88972

The initial calibration (PC703AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC703BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

AU-ECD5 08/21/19-1

Saadia Chudary, Chemist 08/21/19

CD88973, CD88974

The initial calibration (PC813AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC813BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

QC (Site Specific):

Batch 493257 (CD88974)

CD88972, CD88973, CD88974

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

August 23, 2019

SDG I.D.: GCD88972

SVOA Narration

CHEM07 08/20/19-2

Matt Richard, Chemist 08/20/19

CD88972, CD88973, CD88974

For 8270 full list, the DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.

For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

Initial Calibration Evaluation (CHEM07/7_SPLIT_0812):

100% of target compounds met criteria.

The following compounds had %RSDs >20%: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM07/0820_31-7_SPLIT_0812):

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

100% of target compounds met criteria.

The following compounds did not meet % deviation criteria: None.

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 493248 (CD88023)

CD88972, CD88973, CD88974

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

Temperature Narration

The samples were received at 4.6C with cooling initiated.

(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Customer: Tigne & Bond

Address: 213 Court Street

Middletown CT 06457

Project: 150439020 - Mill Hill

Report to: Brian Sirawich, Jill Libby

Invoice to: Tigne & Bond

QUOTE #

Project P.O.:

This section **MUST** be completed with Bottle Quantities.

Sampler's Signature: [Signature] Date: 8/20/19

Matrix Code: DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe OL=Oil
B=Bulk L=Liquid X= (Other)

Analysis Request

PCBs
Lead
Asbestos
PAHs
SHH
MTBE
50X

GL Amber 8 oz. WH3P04
GL Soil container (4) oz
GL Soil container (8) oz
GL Amber 100ml Vial (1) oz
PL As is (1) 250ml (1) 500ml (1) 1000ml
PL H2SO4 (1) 250ml (1) 500ml (1) 1000ml
PL HNO3 250ml
Bacteria Bottle w/100
Bacteria Bottle w/100

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
88972	Mill Hill S1	S	8/20	1:15
88973	Mill Hill S2	S	8/20	1:40
88974	Mill Hill S3	S	8/20	1:50

Relinquished by: [Signature] Accepted by: [Signature]

Date: 8/20 Time: 4:10

RI ☒ Direct Exposure (Residential)

CT ☒ RCP Cert

MA ☐ MCP Certification

Data Format ☒ Excel

Turnaround Time: ☒ 1 Day*

☐ 2 Days*

☐ 3 Days*

☐ Standard

☐ Other

* SURCHARGE APPLIES

Comments, Special Requirements or Regulations:

State where samples were collected: CT

Other ☐ eSMART ☐ Other ☐

S-1 GW-1 ☐ S-1 GW-2 ☐ S-1 GW-3 ☐

S-2 GW-1 ☐ S-2 GW-2 ☐ S-2 GW-3 ☐

S-3 GW-1 ☐ S-3 GW-2 ☐ S-3 GW-3 ☐

MWRA eSMART ☐ Other ☐

Tier II Checklist ☐

Full Data Package* ☐

Phoenix Std Report ☐


Other ☐

Enviro Data ☒

* SURCHARGE APPLIES

Eastern Analytical Services, Inc.

Bulk Sample Results

Date Collected : 08/20/2019
 Collected By : Not Given
 Date Received : 08/21/2019
 Date Analyzed : 08/21/2019
 Analyzed By : George Htay
 Signature : 
 Analytical Method : 40 CFR Part 763, Sub. E, App. E/NYS-DOH 198.1 (PLM)
 NVLAP Lab Code : 101646-0
 NYS Lab No. 10851

Client: Phoenix Environmental Laboratories, Inc.
 P.O. Box 370
 Manchester, CT 06040

Sample ID Number		Cd88972	Cd88973	Cd88974	Cd88975
Layer Number					
Lab ID Number		2638983	2638984	2638985	2638986
Sample Location		Not Given	Not Given	Not Given	Not Given
Sample Description		Not Given	Not Given	Not Given	Not Given
Method of Quantification		Visual Estimation	Visual Estimation	Visual Estimation	Visual Estimation
Appearance	Layered	No	No	No	No
	Homogenous	No	No	No	No
	Fibrous	No	No	No	No
	Color	Black/Brown	Black/Brown/Gray	Brown/Gray	Black/Brown
Sample Treatment		Homogenized	Homogenized	Homogenized	Homogenized
Asbestos	% Amosite	0.0	0.0	0.0	0.0
Content	% Chrysotile	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0	0.0
Other Fibrous	% Fibrous Glass	0.0	1.0	0.0	0.0
Materials	% Cellulose	0.0	2.0	3.0	2.0
Present	% Other	0.0	0.0	2.0 Synthetics	0.0
	% Unidentified	0.0	0.0	0.0	0.0
Non-Fibrous	% Silicates	65.0	65.0	65.0	70.0
Materials	% Carbonates	5.0	0.0	0.0	0.0
Present	% Other	0.0	0.0	0.0	0.0
	% Unidentified	30.0	32.0	30.0	28.0

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory.


Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government.

These Results Can Not Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing. Overall Lab Accuracy $\pm 17\%$. Samples received in acceptable condition unless otherwise noted.

AHA Accreditation No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936

Eastern Analytical Services, Inc.

Bulk Sample Results

Date Collected : 08/20/2019
 Collected By : Not Given
 Date Received : 08/21/2019
 Date Analyzed : 08/21/2019
 Analyzed By : George Htay
 Signature : 
 Analytical Method : 40 CFR Part 763, Sub. E, App. E/NYS-DOH 198.1 (PLM)
 NVLAP Lab Code : 101646-0
 NYS Lab No. 10851

Client: Phoenix Environmental Laboratories, Inc.
 P.O. Box 370
 Manchester, CT 06040

Sample ID Number		Cd88976	Cd88977	Cd88978	Cd88979
Layer Number					
Lab ID Number		2638987	2638988	2638989	2638990
Sample Location		Not Given	Not Given	Not Given	Not Given
Sample Description		Not Given	Not Given	Not Given	Not Given
Method of Quantification		Visual Estimation	Visual Estimation	Visual Estimation	Visual Estimation
Appearance	Layered	No	No	No	No
	Homogenous	No	No	No	No
	Fibrous	No	No	No	No
	Color	Black/Brown	Brown	Brown	Brown/Black
Sample Treatment		Homogenized	Homogenized	Homogenized	Homogenized
Asbestos	% Amosite	0.0	0.0	0.0	0.0
Content	% Chrysotile	0.0	0.0	0.0	0.0
	% Other	0.0	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0	0.0
Other Fibrous	% Fibrous Glass	1.0	1.0	0.0	1.0
Materials	% Cellulose	2.0	2.0	1.0	1.0
Present	% Other	0.0	2.0 Synthetics	2.0 Synthetics	0.0
	% Unidentified	0.0	0.0	0.0	0.0
Non-Fibrous	% Silicates	65.0	65.0	70.0	65.0
Materials	% Carbonates	0.0	0.0	0.0	0.0
Present	% Other	0.0	0.0	0.0	0.0
	% Unidentified	32.0	30.0	27.0	33.0


Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory.

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AIIHA Accreditation No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936

Eastern Analytical Services, Inc. Bulk Sample Results

Date Collected : 08/20/2019
Collected By : Not Given
Date Received : 08/21/2019
Date Analyzed : 08/21/2019
Analyzed By : George Htay
Signature : 
Analytical Method : 40 CFR Part 763, Sub. E, App. E/NYS-DOH 198.1 (PLM)
NVLAP Lab Code : 101646-0
NYS Lab No. 10851

Client: Phoenix Environmental Laboratories, Inc.
P.O. Box 370
Manchester, CT 06040

Sample ID Number Cd88980

Layer Number

Lab ID Number 2638991

Sample Location Not Given

Sample Description Not Given

Method of Quantification Visual Estimation

Appearance	Layered	No
	Homogenous	No
	Fibrous	No
	Color	Brown/Black

Sample Treatment Homogenized

Asbestos	% Amosite	0.0
Content	% Chrysotile	0.0
	% Other	0.0
	% Total Asbestos	0.0

Other Fibrous	% Fibrous Glass	1.0
Materials	% Cellulose	1.0
Present	% Other	0.0
	% Unidentified	0.0

Non-Fibrous	% Silicates	70.0
Materials	% Carbonates	0.0
Present	% Other	0.0
	% Unidentified	28.0

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory.

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These Results Can Not Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing. Overall Lab Accuracy $\pm 17\%$. Samples received in acceptable condition unless otherwise noted.

AIHA Accreditation No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



Tuesday, September 10, 2019

Attn: Ms. Jill Libby
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Project ID: 150439023 MILL HILL ELEMNTARY
SDG ID: GCD99688
Sample ID#s: CD99688 - CD99690

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Sample Id Cross Reference

September 10, 2019

SDG I.D.: GCD99688

Project ID: 150439023 MILL HILL ELEMNTARY

Client Id	Lab Id	Matrix
MILL HILL S100 (1.5-1.75)	CD99688	SOIL
MILL HILL S101 (1-1.25)	CD99689	SOIL
MILL HILL S102 (1-1.25)	CD99690	SOIL



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 10, 2019

FOR: Attn: Ms. Jill Libby
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: 24 Hour
P.O.#:

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

09/06/19
09/06/19

Time

8:40
19:06

Laboratory Data

SDG ID: GCD99688
Phoenix ID: CD99688

Project ID: 150439023 MILL HILL ELEMNTARY
Client ID: MILL HILL S100 (1.5-1.75)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	1.91	0.72	mg/Kg	1	09/07/19	EK	SW6010D
Lead	11.0	0.36	mg/Kg	1	09/07/19	EK	SW6010D
Percent Solid	83		%		09/06/19	ATP	SW846-%Solid
Soil Extraction for Pesticide	Completed				09/06/19	MM/L	SW3545A
Soil Extraction SVOA PAH	Completed				09/06/19	NT/NM/ULSW	SW3545A
Extraction of CT ETPH	Completed				09/06/19	M/LU	SW3545A
Extraction for PCB	Completed				09/06/19	BB/VT/SB	SW3540C
Total Metals Digest	Completed				09/06/19	JJ/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	59	mg/Kg	1	09/07/19	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	09/07/19	JRB	CTETPH 8015D

QA/QC Surrogates

% n-Pentacosane	58		%	1	09/07/19	JRB	50 - 150 %
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PCB (Soxhlet SW3540C)

PCB-1016	ND	390	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1221	ND	390	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1232	ND	390	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1242	ND	390	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1248	ND	390	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1254	ND	390	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1260	ND	390	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1262	ND	390	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1268	ND	390	ug/Kg	10	09/09/19	SC	SW8082A

QA/QC Surrogates

% DCBP	98		%	10	09/09/19	SC	30 - 150 %
% DCBP (Confirmation)	80		%	10	09/09/19	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX	94		%	10	09/09/19	SC	30 - 150 %
% TCMX (Confirmation)	98		%	10	09/09/19	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
4,4' -DDE	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
4,4' -DDT	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
a-BHC	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
Alachlor	ND	8.0	ug/Kg	2	09/09/19	AW	SW8081B
Aldrin	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
b-BHC	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
Chlordane	ND	40	ug/Kg	2	09/09/19	AW	SW8081B
d-BHC	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
Dieldrin	ND	4.0	ug/Kg	2	09/09/19	AW	SW8081B
Endosulfan I	ND	8.0	ug/Kg	2	09/09/19	AW	SW8081B
Endosulfan II	ND	8.0	ug/Kg	2	09/09/19	AW	SW8081B
Endosulfan sulfate	ND	8.0	ug/Kg	2	09/09/19	AW	SW8081B
Endrin	ND	8.0	ug/Kg	2	09/09/19	AW	SW8081B
Endrin aldehyde	ND	8.0	ug/Kg	2	09/09/19	AW	SW8081B
Endrin ketone	ND	8.0	ug/Kg	2	09/09/19	AW	SW8081B
g-BHC	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
Heptachlor	ND	8.0	ug/Kg	2	09/09/19	AW	SW8081B
Heptachlor epoxide	ND	8.0	ug/Kg	2	09/09/19	AW	SW8081B
Methoxychlor	ND	40	ug/Kg	2	09/09/19	AW	SW8081B
Toxaphene	ND	160	ug/Kg	2	09/09/19	AW	SW8081B

QA/QC Surrogates

% DCBP	60		%	2	09/09/19	AW	30 - 150 %
% DCBP (Confirmation)	51		%	2	09/09/19	AW	30 - 150 %
% TCMX	51		%	2	09/09/19	AW	30 - 150 %
% TCMX (Confirmation)	47		%	2	09/09/19	AW	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	280	ug/Kg	1	09/07/19	WB	SW8270D
Acenaphthene	ND	280	ug/Kg	1	09/07/19	WB	SW8270D
Acenaphthylene	ND	280	ug/Kg	1	09/07/19	WB	SW8270D
Anthracene	ND	280	ug/Kg	1	09/07/19	WB	SW8270D
Benz(a)anthracene	ND	280	ug/Kg	1	09/07/19	WB	SW8270D
Benzo(a)pyrene	ND	280	ug/Kg	1	09/07/19	WB	SW8270D
Benzo(b)fluoranthene	ND	280	ug/Kg	1	09/07/19	WB	SW8270D
Benzo(ghi)perylene	ND	280	ug/Kg	1	09/07/19	WB	SW8270D
Benzo(k)fluoranthene	ND	280	ug/Kg	1	09/07/19	WB	SW8270D
Chrysene	ND	280	ug/Kg	1	09/07/19	WB	SW8270D
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	09/07/19	WB	SW8270D
Fluoranthene	ND	280	ug/Kg	1	09/07/19	WB	SW8270D
Fluorene	ND	280	ug/Kg	1	09/07/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	1	09/07/19	WB	SW8270D
Naphthalene	ND	280	ug/Kg	1	09/07/19	WB	SW8270D
Phenanthrene	ND	280	ug/Kg	1	09/07/19	WB	SW8270D
Pyrene	ND	280	ug/Kg	1	09/07/19	WB	SW8270D

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	71		%	1	09/07/19	WB	30 - 130 %
% Nitrobenzene-d5	66		%	1	09/07/19	WB	30 - 130 %
% Terphenyl-d14	63		%	1	09/07/19	WB	30 - 130 %

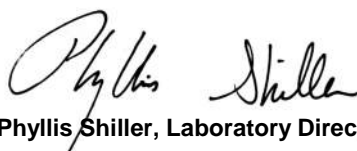
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

September 10, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 10, 2019

FOR: Attn: Ms. Jill Libby
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: 24 Hour
P.O.#:

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

09/06/19
09/06/19

Time

8:45
19:06

Laboratory Data

SDG ID: GCD99688
Phoenix ID: CD99689

Project ID: 150439023 MILL HILL ELEMNTARY
Client ID: MILL HILL S101 (1-1.25)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	2.98	0.72	mg/Kg	1	09/07/19	EK	SW6010D
Lead	3.16	0.36	mg/Kg	1	09/07/19	EK	SW6010D
Percent Solid	85		%		09/06/19	ATP	SW846-%Solid
Soil Extraction for Pesticide	Completed				09/06/19	MM/L	SW3545A
Soil Extraction SVOA PAH	Completed				09/06/19	NT/NM/ULSW	SW3545A
Extraction of CT ETPH	Completed				09/06/19	M/LU	SW3545A
Extraction for PCB	Completed				09/06/19	BB/VT/SB	SW3540C
Total Metals Digest	Completed				09/06/19	JJ/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	58	mg/Kg	1	09/07/19	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	09/07/19	JRB	CTETPH 8015D

QA/QC Surrogates

% n-Pentacosane	59		%	1	09/07/19	JRB	50 - 150 %
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PCB (Soxhlet SW3540C)

PCB-1016	ND	390	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1221	ND	390	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1232	ND	390	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1242	ND	390	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1248	ND	390	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1254	ND	390	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1260	ND	390	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1262	ND	390	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1268	ND	390	ug/Kg	10	09/09/19	SC	SW8082A

QA/QC Surrogates

% DCBP	83		%	10	09/09/19	SC	30 - 150 %
% DCBP (Confirmation)	80		%	10	09/09/19	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX	71		%	10	09/09/19	SC	30 - 150 %
% TCMX (Confirmation)	70		%	10	09/09/19	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
4,4' -DDE	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
4,4' -DDT	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
a-BHC	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
Alachlor	ND	7.8	ug/Kg	2	09/09/19	AW	SW8081B
Aldrin	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
b-BHC	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
Chlordane	ND	39	ug/Kg	2	09/09/19	AW	SW8081B
d-BHC	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
Dieldrin	ND	3.9	ug/Kg	2	09/09/19	AW	SW8081B
Endosulfan I	ND	7.8	ug/Kg	2	09/09/19	AW	SW8081B
Endosulfan II	ND	7.8	ug/Kg	2	09/09/19	AW	SW8081B
Endosulfan sulfate	ND	7.8	ug/Kg	2	09/09/19	AW	SW8081B
Endrin	ND	7.8	ug/Kg	2	09/09/19	AW	SW8081B
Endrin aldehyde	ND	7.8	ug/Kg	2	09/09/19	AW	SW8081B
Endrin ketone	ND	7.8	ug/Kg	2	09/09/19	AW	SW8081B
g-BHC	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
Heptachlor	ND	7.8	ug/Kg	2	09/09/19	AW	SW8081B
Heptachlor epoxide	ND	7.8	ug/Kg	2	09/09/19	AW	SW8081B
Methoxychlor	ND	39	ug/Kg	2	09/09/19	AW	SW8081B
Toxaphene	ND	160	ug/Kg	2	09/09/19	AW	SW8081B

QA/QC Surrogates

% DCBP	54		%	2	09/09/19	AW	30 - 150 %
% DCBP (Confirmation)	45		%	2	09/09/19	AW	30 - 150 %
% TCMX	37		%	2	09/09/19	AW	30 - 150 %
% TCMX (Confirmation)	34		%	2	09/09/19	AW	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Acenaphthene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Anthracene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Chrysene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Fluoranthene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Fluorene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Naphthalene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Phenanthrene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Pyrene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	68		%	1	09/07/19	WB	30 - 130 %
% Nitrobenzene-d5	64		%	1	09/07/19	WB	30 - 130 %
% Terphenyl-d14	68		%	1	09/07/19	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

September 10, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 10, 2019

FOR: Attn: Ms. Jill Libby
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: 24 Hour
P.O.#:

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

09/06/19 8:50
09/06/19 19:06

Time

Laboratory Data

SDG ID: GCD99688
Phoenix ID: CD99690

Project ID: 150439023 MILL HILL ELEMNTARY
Client ID: MILL HILL S102 (1-1.25)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	2.08	0.78	mg/Kg	1	09/07/19	EK	SW6010D
Lead	3.71	0.39	mg/Kg	1	09/07/19	EK	SW6010D
Percent Solid	85		%		09/06/19	ATP	SW846-%Solid
Soil Extraction for Pesticide	Completed				09/06/19	MM/L	SW3545A
Soil Extraction SVOA PAH	Completed				09/06/19	NT/NM/ULSW	SW3545A
Extraction of CT ETPH	Completed				09/06/19	M/LU	SW3545A
Extraction for PCB	Completed				09/06/19	BB/VT/SB	SW3540C
Total Metals Digest	Completed				09/06/19	JJ/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	58	mg/Kg	1	09/07/19	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	09/07/19	JRB	CTETPH 8015D

QA/QC Surrogates

% n-Pentacosane	55		%	1	09/07/19	JRB	50 - 150 %
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PCB (Soxhlet SW3540C)

PCB-1016	ND	380	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1221	ND	380	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1232	ND	380	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1242	ND	380	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1248	ND	380	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1254	ND	380	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1260	ND	380	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1262	ND	380	ug/Kg	10	09/09/19	SC	SW8082A
PCB-1268	ND	380	ug/Kg	10	09/09/19	SC	SW8082A

QA/QC Surrogates

% DCBP	80		%	10	09/09/19	SC	30 - 150 %
% DCBP (Confirmation)	90		%	10	09/09/19	SC	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% TCMX	83		%	10	09/09/19	SC	30 - 150 %
% TCMX (Confirmation)	90		%	10	09/09/19	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
4,4' -DDE	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
4,4' -DDT	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
a-BHC	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
Alachlor	ND	7.8	ug/Kg	2	09/09/19	AW	SW8081B
Aldrin	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
b-BHC	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
Chlordane	ND	39	ug/Kg	2	09/09/19	AW	SW8081B
d-BHC	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
Dieldrin	ND	3.9	ug/Kg	2	09/09/19	AW	SW8081B
Endosulfan I	ND	7.8	ug/Kg	2	09/09/19	AW	SW8081B
Endosulfan II	ND	7.8	ug/Kg	2	09/09/19	AW	SW8081B
Endosulfan sulfate	ND	7.8	ug/Kg	2	09/09/19	AW	SW8081B
Endrin	ND	7.8	ug/Kg	2	09/09/19	AW	SW8081B
Endrin aldehyde	ND	7.8	ug/Kg	2	09/09/19	AW	SW8081B
Endrin ketone	ND	7.8	ug/Kg	2	09/09/19	AW	SW8081B
g-BHC	ND	1.6	ug/Kg	2	09/09/19	AW	SW8081B
Heptachlor	ND	7.8	ug/Kg	2	09/09/19	AW	SW8081B
Heptachlor epoxide	ND	7.8	ug/Kg	2	09/09/19	AW	SW8081B
Methoxychlor	ND	39	ug/Kg	2	09/09/19	AW	SW8081B
Toxaphene	ND	160	ug/Kg	2	09/09/19	AW	SW8081B

QA/QC Surrogates

% DCBP	48		%	2	09/09/19	AW	30 - 150 %
% DCBP (Confirmation)	43		%	2	09/09/19	AW	30 - 150 %
% TCMX	43		%	2	09/09/19	AW	30 - 150 %
% TCMX (Confirmation)	41		%	2	09/09/19	AW	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Acenaphthene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Anthracene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Chrysene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Fluoranthene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Fluorene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Naphthalene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Phenanthrene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D
Pyrene	ND	270	ug/Kg	1	09/07/19	WB	SW8270D

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	49		%	1	09/07/19	WB	30 - 130 %
% Nitrobenzene-d5	44		%	1	09/07/19	WB	30 - 130 %
% Terphenyl-d14	43		%	1	09/07/19	WB	30 - 130 %

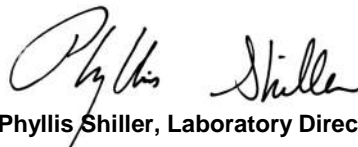
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

September 10, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

September 10, 2019

QA/QC Data

SDG I.D.: GCD99688

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 495843 (mg/kg), QC Sample No: CD99386 (CD99688, CD99689, CD99690)													
<u>ICP Metals - Soil</u>													
Arsenic	BRL	0.67	2.29	2.43	NC	104	117	11.8	91.3			75 - 125	30
Lead	BRL	0.33	18.5	18.4	0.50	101	110	8.5	92.7			75 - 125	30



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QA/QC Report

September 10, 2019

QA/QC Data

SDG I.D.: GCD99688

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 495861 (mg/Kg), QC Sample No: CD99697 (CD99688, CD99689, CD99690)

TPH by GC (Extractable Products) - Soil

Ext. Petroleum H.C. (C9-C36)	ND	50	96	97	1.0	61	57	6.8	60 - 120	30
% n-Pentacosane	64	%	80	79	1.3	77	73	5.3	50 - 150	30

Comment:

Additional surrogate criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%. The ETPH/DRO LCS has been normalized based on the alkane calibration.

QA/QC Batch 495864 (ug/Kg), QC Sample No: CD99696 10X (CD99688, CD99689, CD99690)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	170	79	89	11.9	84			40 - 140	30
PCB-1221	ND	170							40 - 140	30
PCB-1232	ND	170							40 - 140	30
PCB-1242	ND	170							40 - 140	30
PCB-1248	ND	170							40 - 140	30
PCB-1254	ND	170							40 - 140	30
PCB-1260	ND	170	93	99	6.3	96			40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	96	%	86	99	14.1	91			30 - 150	30
% DCBP (Surrogate Rec) (Confirm	100	%	80	99	21.2	90			30 - 150	30
% TCMX (Surrogate Rec)	102	%	84	92	9.1	83			30 - 150	30
% TCMX (Surrogate Rec) (Confirm	106	%	90	94	4.3	85			30 - 150	30

Comment:

This batch consists of a Blank, LCS, LCSD and MS.

QA/QC Batch 495860 (ug/Kg), QC Sample No: CD99690 2X (CD99688, CD99689, CD99690)

Pesticides - Soil

4,4' -DDD	ND	1.7	86	108	22.7	65	61	6.3	40 - 140	30
4,4' -DDE	ND	1.7	82	87	5.9	58	57	1.7	40 - 140	30
4,4' -DDT	ND	1.7	89	91	2.2	57	57	0.0	40 - 140	30
a-BHC	ND	1.0	70	75	6.9	52	49	5.9	40 - 140	30
Alachlor	ND	3.3	NA	NA	NC	NA	NA	NC	40 - 140	30
Aldrin	ND	1.0	70	73	4.2	50	51	2.0	40 - 140	30
b-BHC	ND	1.0	90	92	2.2	64	60	6.5	40 - 140	30
Chlordane	ND	3.3	76	80	5.1	55	54	1.8	40 - 140	30
d-BHC	ND	3.3	64	70	9.0	45	43	4.5	40 - 140	30
Dieldrin	ND	1.0	83	85	2.4	57	56	1.8	40 - 140	30
Endosulfan I	ND	3.3	81	84	3.6	58	56	3.5	40 - 140	30
Endosulfan II	ND	3.3	99	104	4.9	67	63	6.2	40 - 140	30
Endosulfan sulfate	ND	3.3	93	101	8.2	62	68	9.2	40 - 140	30
Endrin	ND	3.3	85	75	12.5	51	51	0.0	40 - 140	30
Endrin aldehyde	ND	3.3	74	74	0.0	50	48	4.1	40 - 140	30
Endrin ketone	ND	3.3	96	103	7.0	67	56	17.9	40 - 140	30

QA/QC Data

SDG I.D.: GCD99688

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
g-BHC	ND	1.0	64	68	6.1	47	43	8.9	40 - 140	30
Heptachlor	ND	3.3	66	70	5.9	49	53	7.8	40 - 140	30
Heptachlor epoxide	ND	3.3	74	78	5.3	55	52	5.6	40 - 140	30
Methoxychlor	ND	3.3	85	88	3.5	54	53	1.9	40 - 140	30
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	79	%	89	95	6.5	53	55	3.7	30 - 150	30
% DCBP (Confirmation)	68	%	73	80	9.2	49	49	0.0	30 - 150	30
% TCMX	62	%	62	64	3.2	47	45	4.3	30 - 150	30
% TCMX (Confirmation)	58	%	63	63	0.0	44	43	2.3	30 - 150	30

QA/QC Batch 495863 (ug/kg), QC Sample No: CD99697 (CD99688, CD99689, CD99690)

Polynuclear Aromatic HC - Soil

2-Methylnaphthalene	ND	230	58	55	5.3	53	59	10.7	30 - 130	30
Acenaphthene	ND	230	62	63	1.6	58	65	11.4	30 - 130	30
Acenaphthylene	ND	230	61	61	0.0	56	62	10.2	30 - 130	30
Anthracene	ND	230	61	62	1.6	60	66	9.5	30 - 130	30
Benz(a)anthracene	ND	230	63	63	0.0	58	68	15.9	30 - 130	30
Benzo(a)pyrene	ND	230	63	64	1.6	56	63	11.8	30 - 130	30
Benzo(b)fluoranthene	ND	230	67	68	1.5	57	65	13.1	30 - 130	30
Benzo(ghi)perylene	ND	230	59	58	1.7	57	72	23.3	30 - 130	30
Benzo(k)fluoranthene	ND	230	64	64	0.0	56	63	11.8	30 - 130	30
Chrysene	ND	230	62	62	0.0	56	66	16.4	30 - 130	30
Dibenz(a,h)anthracene	ND	230	63	64	1.6	66	79	17.9	30 - 130	30
Fluoranthene	ND	230	59	59	0.0	63	79	22.5	30 - 130	30
Fluorene	ND	230	64	62	3.2	58	69	17.3	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	230	66	64	3.1	63	79	22.5	30 - 130	30
Naphthalene	ND	230	57	56	1.8	54	57	5.4	30 - 130	30
Phenanthrene	ND	230	58	59	1.7	65	74	12.9	30 - 130	30
Pyrene	ND	230	61	59	3.3	61	78	24.5	30 - 130	30
% 2-Fluorobiphenyl	54	%	61	61	0.0	56	60	6.9	30 - 130	30
% Nitrobenzene-d5	50	%	58	57	1.7	57	64	11.6	30 - 130	30
% Terphenyl-d14	49	%	53	51	3.8	47	60	24.3	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

September 10, 2019

Tuesday, September 10, 2019

Criteria: CT: GAM, RC

State: CT

Sample Criteria Exceedances Report

GCD99688 - TIGHE-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc.

Client: Tighe & Bond

Project Location: 150439023 MILL HILL ELEMNTARY

Project Number:

Laboratory Sample ID(s): CD99688-CD99690

Sampling Date(s): 9/6/2019

List RCP Methods Used (e.g., 8260, 8270, et cetera) 6010, 8081, 8082, 8270, ETPH

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	<u>VPH and EPH methods only:</u> Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

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.

Authorized Signature:

Position: Assistant Lab Director

Printed Name: Greg Lawrence

Date: Tuesday, September 10, 2019

Name of Laboratory Phoenix Environmental Labs, Inc.

This certification form is to be used for RCP methods only.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

September 10, 2019

SDG I.D.: GCD99688

SDG Comments

Metals Analysis:

The client requested a shorter list of elements than the 6010 RCP list. Only Arsenic and Lead are reported as requested on the chain of custody.

8270 Semi-volatile Organics:

The client requested a short list for 8270 RCP Semivolatile. Only the PAH constituents are reported as requested on the chain-of-custody.

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

AU-FID84 09/06/19-1

Jeff Bucko, Chemist 09/06/19

CD99688, CD99689, CD99690

The initial calibration (ETPH820I) RSD for the compound list was less than 30% except for the following compounds: None.

As per section 7.2.3, a discrimination check standard was run (906A003_1) and contained the following outliers: None.

The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

QC (Batch Specific):

Batch 495861 (CD99697)

CD99688, CD99689, CD99690

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Additional surrogate criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%. The ETPH/DRO LCS has been normalized based on the alkane calibration.

ICP Metals Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

ARCOS 09/07/19 08:38

Emily Kolominskaya, Chemist 09/07/19

CD99688, CD99689, CD99690

Additional criteria for CCV and ICSAB:

Sodium and Potassium are poor performing elements, the laboratory's in-house limits are 85-115% (CCV) and 70-130% (ICSAB).The linear range is defined daily by the calibration range.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 495843 (CD99386)

CD99688, CD99689, CD99690

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.



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Certification Report

September 10, 2019

SDG I.D.: GCD99688

ICP Metals Narration

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

AU-ECD29 09/09/19-1 Saadia Chudary, Chemist 09/09/19

CD99688

The initial calibration (PC703AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC703BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

AU-ECD5 09/09/19-1 Saadia Chudary, Chemist 09/09/19

CD99690

The initial calibration (PC905AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC905BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

AU-ECD8 09/09/19-1 Saadia Chudary, Chemist 09/09/19

CD99689

The initial calibration (PC830AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC830BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

QC (Batch Specific):

Batch 495864 (CD99696)

CD99688, CD99689, CD99690

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
This batch consists of a Blank, LCS, LCSD and MS.

PEST Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

AU-ECD7 09/09/19-1 Adam Werner, Chemist 09/09/19

CD99688, CD99689, CD99690

The initial calibration (PS905AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PS905BI) RSD for the compound list was less than 20% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed 15% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed the maximum of 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 20% except for the following compounds:

Samples: CD99688, CD99689, CD99690

Preceding CC 909A004 - Endosulfan sulfate 21%H (20%)



Environmental Laboratories, Inc.
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RCP Certification Report

September 10, 2019

SDG I.D.: GCD99688

PEST Narration

Succeeding CC 909A022 - None.

QC (Site Specific):

Batch 495860 (CD99690)

CD99688, CD99689, CD99690

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
All MS recoveries were within 30 - 150 with the following exceptions: None.
All MSD recoveries were within 30 - 150 with the following exceptions: None.
All MS/MSD RPDs were less than 30% with the following exceptions: None.

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

CHEM07 09/07/19-1

Matt Richard, Chemist 09/07/19

CD99688, CD99689, CD99690

For 8270 full list, the DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.

For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

Initial Calibration Evaluation (CHEM07/7_BN_0812A):

100% of target compounds met criteria.

The following compounds had %RSDs >20%: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM07/0907_03-7_BN_0812A):

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

100% of target compounds met criteria.

The following compounds did not meet % deviation criteria: None.

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 495863 (CD99697)

CD99688, CD99689, CD99690

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)



Environmental Laboratories, Inc.
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RCP Certification Report

September 10, 2019

SDG I.D.: GCD99688

Temperature Narration

The samples were received at 5.6C with cooling initiated.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Coolant: Yes ☒ No ☐
Coolant: IPK ☐ ICE ☐
Temp: 5.0 C Pg 1 of 1


Data Delivery/Contact Options:

Fax: ☐
Phone: ☐
Email: ☒ On file



Customer: Tighe and Bond
Address: 213 Court St Suite 1100
Middletown CT 06457

Project: 150439023 - Mill Hill Elementary
Report to: Brian Sirowich, Jim Libby, Jim Olsen
Invoice to: Tighe & Bond
QUOTE #

This section MUST be completed with Bottle Quantities.

Sampler's Signature:  Date: 9/6/19
Matrix Code: DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe Oil=Oil
B=Bulk L=Liquid X= (Other)

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request
99688	Mill Hill S100 (1.5-1.5)	S	9/16	8:40	Asenic
99689	Mill Hill S101 (1.25)	L	9/16	8:45	Lead
99690	Mill Hill S102 (1.25)	L	9/16	8:50	PCBs
					STMs
					8270
					pesticides
					GL Amber 8 oz. W/3PCB
					GL Soil container ()
					GL Amber 1000ml () As is () HCl
					PL As is () 250ml () 500ml () 1000ml
					PL HNO3 250ml
					PL NaOH 250ml
					Bacteria Bottle with is

Relinquished by: 	Accepted by: 	Date: 9-6-19	Time: 19:06
Comments, Special Requirements or Regulations: DAS Pricing			
Turnaround Time: <input checked="" type="checkbox"/> 1 Day* <input type="checkbox"/> 2 Days* <input type="checkbox"/> 3 Days* <input type="checkbox"/> Standard <input type="checkbox"/> Other		* SURCHARGE APPLIES	
MA <input type="checkbox"/> MCP Certification <input type="checkbox"/> GW-1 <input type="checkbox"/> GW-2 <input type="checkbox"/> GW-3 <input type="checkbox"/> S-1 GW-1 <input type="checkbox"/> S-2 GW-1 <input type="checkbox"/> S-3 GW-1 <input type="checkbox"/> SW Protection		CT <input checked="" type="checkbox"/> RCP Cert <input type="checkbox"/> GW Protection <input type="checkbox"/> SW Protection <input checked="" type="checkbox"/> GA Mobility <input type="checkbox"/> GB Mobility <input checked="" type="checkbox"/> Residential DEC <input type="checkbox"/> I/C DEC <input type="checkbox"/> Other	
Data Format <input checked="" type="checkbox"/> Excel <input type="checkbox"/> PDF <input type="checkbox"/> GIS/Key <input type="checkbox"/> EQUIS <input checked="" type="checkbox"/> Other		Enviro Data <input type="checkbox"/> Tier II Checklist <input type="checkbox"/> Full Data Package* <input checked="" type="checkbox"/> Phoenix Std Report <input type="checkbox"/> Other	
State where samples were collected: CT			
* SURCHARGE APPLIES			



Eastern Analytical Services, Inc.

Phone (914) 592-8380

4 Westchester Plaza
Elmsford, New York 10523-1610
<http://www.EASInc.com>

Fax (914) 592-8956

September 09, 2019

Mr. James T. Olsen
Tighe & Bond
53 Southampton Road
Westfield, MA 01085

RE: CPN 150439023 - Mill Hill Elementary School
EAS Batch No. 1907396

Dear Mr. Olsen:

Enclosed please find the laboratory results for the 3 bulk sample(s) received by Eastern Analytical Services, Inc. September 06, 2019. The analysis was performed in accordance with EPA/600/R-93/116 and NYS-DOH Item 198.1.

Thank you for allowing EAS, Inc. to provide Tighe & Bond with professional analytical services. If you have any questions or require additional information or assistance, please feel free to contact me at the number above or e-mail Lab@EASInc.com.

Sincerely,

EASTERN ANALYTICAL SERVICES, INC.

A handwritten signature in black ink, appearing to read 'Paul Stascavage', is written over a horizontal line.

Paul Stascavage
Laboratory Director

PS:om

Enclosures

Electronically Transmitted
September 07, 2019



EAS Batch No. 1907396

Eastern Analytical Services, Inc.

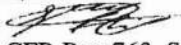
Page 1 of 1

Bulk Sample Results

RE: CPN 150439023 - Mill Hill Elementary School

Date Collected : 09/06/2019
 Collected By : Brian Sirowich
 Date Received : 09/06/2019
 Date Analyzed : 09/07/2019
 Analyzed By : Ghayath Elias

Client: Tighe & Bond
 53 Southampton Road
 Westfield, MA 01085

Signature : 
 Analytical Method : 40 CFR Part 763, Sub. E, App. E/NYS-DOH 198.1 (PLM)
 NVLAP Lab Code : 101646-0
 NYS Lab No. 10851

Sample ID Number	Mill Hill S100	Mill Hill S101	Mill Hill S102
Layer Number			
Lab ID Number	2642376	2642377	2642378
Sample Location	Not Given	Not Given	Not Given

Sample Description	Not Given	Not Given	Not Given
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Method of Quantification		Visual Estimation	Visual Estimation	Visual Estimation
Appearance	Layered	No	No	No
	Homogenous	No	No	No
	Fibrous	Yes	Yes	Yes
	Color	Brown	Brown	Brown

Sample Treatment		Homogenized	Homogenized	Homogenized
Asbestos Content	% Amosite	0.0	0.0	0.0
	% Chrysotile	0.0	0.0	0.0
	% Other	0.0	0.0	0.0
	% Total Asbestos	0.0	0.0	0.0
Other Fibrous Materials Present	% Fibrous Glass	0.0	0.0	0.0
	% Cellulose	1.0	1.0	2.0
	% Other	0.0	0.0	0.0
	% Unidentified	0.0	0.0	0.0
Non-Fibrous Materials Present	% Silicates	30.0	30.0	30.0
	% Carbonates	30.0	20.0	20.0
	% Other	0.0	0.0	0.0
	% Unidentified	39.0	49.0	48.0

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory.
 Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government.
 These Results Can Not Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing. Overall Lab Accuracy $\pm 17\%$. Samples received in acceptable condition unless otherwise noted.
 AIHA Accreditation No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936

Eastern Analytical Services, Inc.
Chain of Custody Form

EAS Client: Tighe & Bond
53 Southampton Road
Westfield, MA 01085

EAS Batch No. 1907396

Turn-Around: 12 Hr

Shipped Via: Walk In

State of Origin: CT

Sample Disposition: Standard x
Return

Analyte: % Asb

No. of Samples 3
Received:

No. of Samples 3
Analyzed:

Client Project RE: CPN 150439023 - Mill Hill Elementary School
Number/Name:

Lab ID Numbers: 2642376-2642378

Collected By: Brian Sirowich

Signature

Date: 09/06/2019

Received By: Ghayath Elias



Date: 09/06/2019

Time: 1627

Logged In By: Ghayath Elias



Date: 09/06/2019

Prepped By: Joseph B. LaPuebla



Date: 09/06/2019

Analyzed By : Ghayath Elias



Date: 09/07/2019

Time: 1220

Re-Analyzed By:

Date:

Checked By: Damien Warner



Date: 09/07/2019

E-Transmitted By: Damien Warner



Date: 09/07/2019

Time: 1903

Logged Out By:

Date:

Eastern Analytical Services, Inc.

4 Westchester Plaza - Elmsford, NY 10523

www.EASInc.com

914-592-8380

2642378

CHAIN OF CUSTODY

2642376

Mill Hill S100 Mill Hill
2642377 Mill Hill S101 S102

EAS Client: Tighe and Bond
53 Southampton Road
Westfield, MA 01085

No. of Samples: 3

Analyte: **Asbestos** **Lead** **Fungi**
☒ PLM ☐ Solid ☐ Spore Trap
☐ NOB PLM Only ☐ Dust ☐ Tape Lift
☐ NOB TEM Only ☐ Air
☐ NOB PLM/TEM ☐ Water **Other**
☐ NOB TEM/PLM ☐ Other **Analyte**
☐ Air 7400 (PCM) _____
☐ Air AHERA (TEM) _____
☐ Air 7402 (TEM) **TCLP**
☐ Water (TEM) ☐ Pb Only
☐ Other _____ ☐ 8 RCRA

Turn-Around ☐ 03Hr ☐ 06Hr ☒ 12Hr ☐ 24Hr ☐ 30Hr
☐ 48Hr ☐ 72Hr ☐ 96Hr ☐ 5Day ☐ Other _____

Shipped ☐ US Mail ☒ Walk In
Via: ☐ FedEx ☐ US Exp
☐ UPS ☐ Courier
☐ Drop Box ☐ Other _____

State of ☐ NY ☒ CT ☐ NJ ☐ PA ☐ MA
Origin: ☐ RI ☐ ME ☐ VT ☐ Other _____

Sample Disposition ☒ (Std.) ☐ (Return)

Client Project Name/Number: 150439023 - Mill Hill Elementary School

Sampled By: Brian Sirowich [Signature] 9/6/19
Name (Print or Type) Signature Date

Submitted By: Ian Adomeit [Signature] 9/6/19
Name (Print or Type) Signature Date

Comments: E-mail results to bsirowich@tighebond.com, JLLibby@tighebond.com, and
jtolsen@tighebond.com

FOR LABORATORY USE ONLY

Account Number: _____

Received By: G. McG [Signature] SEP 6'19 16:27
Name (Print) Signature Date Time

Logged-In By: _____

Prepped By: _____

Analyzed By: _____

Re-Analyzed By: _____

Checked By: _____

Logged-Out By: _____

EAS[®]

PLM Analysis Memo

Non-Friable Organically Bound (NOB) Materials - This term refers to a wide variety of building materials, such as vinyl or asphalt floor tile, resilient floor covering, mastic, asphalt shingle, roofing material, caulk, putty, etc.. Polarized Light Microscopy (PLM) analysis has limitations when NOB materials are encountered. These limitations, such as the inability to detect thin or extremely short fibers (less than 1 micrometer in length) generated during the milling process and/or the difficulty of separating asbestos fibers and bundles from the resinous matrix, may lead to false negatives or underestimates of the amount of asbestos fibers present in the sample. Recently, NYS DOH added **Ceiling Tiles with Cellulose** to the list of materials to be analyzed via the NOB methods. For these reasons, when analysis by PLM yields negative results for the presence of asbestos in NOB materials, The State of New York Department of Health (DOH) has issued the following requirements as of April 8, 2011: **NOBs and ceiling tiles with cellulose must be analyzed by both of the gravimetric matrix reduction methods (ELAP Item 198.6 and 198.4) to be deemed negative for asbestos.**

EAS is approved by the NYS-DOH to perform analysis of NOB materials via Transmission Electron Microscopy (ELAP Item 198.4). The superior resolution of Transmission Electron Microscopy can detect the presence of asbestos fibers well beyond the range of PLM. In addition, the use of selected-area electron diffraction (SAED) and energy-dispersive spectroscopy (EDS) can positively identify asbestos fibers in the sample. **NOB samples determined to contain less than 1% asbestos via the TEM method, must also be analyzed via PLM (198.6) to verify the absence of large amphibole fibers which may not have been successfully transferred to the EM Grids.**

The State of New Jersey recently adopted amendments to their regulations requiring gravimetric reduction followed by PLM and TEM analysis for NOB building materials. The regulations can be found at http://lwd.dol.state.nj.us/labor/lssc/laws/Asbestos_law.html#5a39.

Recently (April 3, 2011), Maine DEP revised their regulations to require gravimetric reduction of NOBs
<https://www1.maine.gov/dep/waste/asbestos/documents/asbbulksampanalysisprotocolsformYenabled.pdf>.

Vermiculite - As of July 9, 2013, NYS has issued new guidance on Vermiculite loose bulk materials and insulation materials which contain Vermiculite. The following quotes have been taken from their guidance letter: *"If material is attic fill, block fill or other loose bulk vermiculite materials, it must be designated and treated as ACM. No approved analytical method currently exists to reliably confirm such vermiculite material as non-ACM."* *"Where thermal systems insulation (TSI), *, or other presumed ACM (PACM) or miscellaneous suspect ACM contain 10% vermiculite or less, certified laboratories may use ELAP Certification Manual Item 198.1 to determine the asbestos content of the material. Where TSI, *, or other PACM or miscellaneous suspect ACM contain greater than 10% vermiculite, Item 198.6 may be used to evaluate the asbestos content of the material; provided, however, that any test results using this method must be reported with the following conspicuous disclaimer:"*

"This method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite."

See the EPA website at <https://www.epa.gov/asbestos/protect-your-family-asbestos-contaminated-vermiculite-insulation>

*** Surfacing Material Containing Vermiculite** - As of May 6, 2016, NYS has issued new guidance regarding Surfacing Material containing vermiculite (essentially expanding the previous requirements for spray-on fireproofing to apply to all surfacing materials). If a surfacing material contains *any* vermiculite, it must be analyzed via NYS-DOH Method 198.8 (or RJ Lee Group Method 055) to be deemed negative for asbestos.

Surface Wipe Samples - Due to the fact that a large percentage of asbestos fibers released from deteriorating asbestos-containing materials or from improperly performed abatement activities are on the order of 5 micrometers or less and are near or below the resolution of a Polarized Light Microscope, Eastern Analytical Services, Inc. recommends that negative surface wipe samples be confirmed utilizing Transmission Electron Microscopy.

Point Counting - New York State Department of Health regulations require quantification of asbestos via the "Stratified Point Count" Method for all bulk samples originating from New York State. Please indicate the state of origin on the Chain of Custody form for all samples submitted to the laboratory. There is no additional charge for quantification using this method.

Layered Samples - NESHAP policy regarding layered bulk samples has changed. In the past, laboratories were required to analyze individual layers of multi-layered bulk samples separately, but report the results in terms of quantity of asbestos for the composite sample. This policy change requires that the layers be analyzed separately and reported as such. Additionally, materials are to be characterized as asbestos or non-asbestos based on the results of the individual layers.

As a result of this policy, EAS will be reporting the results of the individual layers of multi-layered bulk samples submitted for asbestos analysis UNLESS COMPOSITE RESULTS ARE SPECIFICALLY REQUESTED BY THE CLIENT. Additional layers for all bulk samples will be billed as separate samples.

If you have any questions concerning the above, please feel free to contact EAS.



Eastern Analytical Services, Inc.

Phone (914) 592-8380

Fax (914) 592-8956

4 Westchester Plaza
Elmsford, New York 10523-1610
Federal ID #11-2753797

CLIENT Tighe & Bond
53 Southampton Road
Westfield, MA 01085

INVOICE Nº 1024436

DATE 09/09/2019

P.O. NUMBER

Account No. 040136

TERMS 1%/10, Net 30,
1.5% Int 30+

EAS Batch No. 1907396

DATE	DESCRIPTION	PRICE
09/07/2019	Analytical Services (12 Hr Turn-Around) RE: CPN 150439023 - Mill Hill Elementary School Fiber Identification Polarized Light Microscopy 3 Samples @ \$13.00 /Sample	\$39.00
	Total	\$39.00
	Please Reference Invoice Number with Payment	



Tuesday, September 10, 2019

Attn: Ms. Jill Libby
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Project ID: 1504390 MILL HILL ELEM
SDG ID: GCE00376
Sample ID#s: CE00376 - CE00383

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Sample Id Cross Reference

September 10, 2019

SDG I.D.: GCE00376

Project ID: 1504390 MILL HILL ELEM

Client Id	Lab Id	Matrix
MILLHILL S201 (0-0.5`)	CE00376	SOIL
MILLHILL S202 (0-0.5`)	CE00377	SOIL
MILLHILL S203 (0-0.5`)	CE00378	SOIL
MILLHILL S204 (0-0.5`)	CE00379	SOIL
MILLHILL S205 (0-0.5`)	CE00380	SOIL
MILLHILL S206 (0-0.5`)	CE00381	SOIL
MILLHILL S207 (0-0.5`)	CE00382	SOIL
MILLHILL S208 (0-0.5`)	CE00383	SOIL



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Analysis Report

September 10, 2019

FOR: Attn: Ms. Jill Libby
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: 24 Hour
P.O.#: 1504390

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

09/09/19
09/09/19

Time

13:10
17:54

Laboratory Data

SDG ID: GCE00376
Phoenix ID: CE00376

Project ID: 1504390 MILL HILL ELEM
Client ID: MILLHILL S201 (0-0.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	80		%		09/09/19	VT	SW846-%Solid
Soil Extraction SVOA PAH	Completed				09/09/19	B/NT/UL	SW3545A

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	290	ug/Kg	1	09/10/19	WB	SW8270D
Acenaphthene	ND	290	ug/Kg	1	09/10/19	WB	SW8270D
Acenaphthylene	ND	290	ug/Kg	1	09/10/19	WB	SW8270D
Anthracene	ND	290	ug/Kg	1	09/10/19	WB	SW8270D
Benz(a)anthracene	ND	290	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(a)pyrene	350	290	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(b)fluoranthene	310	290	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(ghi)perylene	ND	290	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(k)fluoranthene	290	290	ug/Kg	1	09/10/19	WB	SW8270D
Chrysene	320	290	ug/Kg	1	09/10/19	WB	SW8270D
Dibenz(a,h)anthracene	ND	290	ug/Kg	1	09/10/19	WB	SW8270D
Fluoranthene	560	290	ug/Kg	1	09/10/19	WB	SW8270D
Fluorene	ND	290	ug/Kg	1	09/10/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	290	290	ug/Kg	1	09/10/19	WB	SW8270D
Naphthalene	ND	290	ug/Kg	1	09/10/19	WB	SW8270D
Phenanthrene	310	290	ug/Kg	1	09/10/19	WB	SW8270D
Pyrene	550	290	ug/Kg	1	09/10/19	WB	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl	62	%	1	09/10/19	WB	30 - 130 %
% Nitrobenzene-d5	60	%	1	09/10/19	WB	30 - 130 %
% Terphenyl-d14	60	%	1	09/10/19	WB	30 - 130 %

Project ID: 1504390 MILL HILL ELEM
Client ID: MILLHILL S201 (0-0.5')

Phoenix I.D.: CE00376

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

September 10, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 10, 2019

FOR: Attn: Ms. Jill Libby
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: 24 Hour
P.O.#: 1504390

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

09/09/19
09/09/19

Time

13:15
17:54

Laboratory Data

SDG ID: GCE00376
Phoenix ID: CE00377

Project ID: 1504390 MILL HILL ELEM
Client ID: MILLHILL S202 (0-0.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	84		%		09/09/19	VT	SW846-%Solid
Soil Extraction SVOA PAH	Completed				09/09/19	B/NT/JUL	SW3545A

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	270	ug/Kg	1	09/10/19	WB	SW8270D
Acenaphthene	ND	270	ug/Kg	1	09/10/19	WB	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	09/10/19	WB	SW8270D
Anthracene	ND	270	ug/Kg	1	09/10/19	WB	SW8270D
Benz(a)anthracene	440	270	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(a)pyrene	520	270	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(b)fluoranthene	470	270	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(ghi)perylene	410	270	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(k)fluoranthene	430	270	ug/Kg	1	09/10/19	WB	SW8270D
Chrysene	520	270	ug/Kg	1	09/10/19	WB	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	09/10/19	WB	SW8270D
Fluoranthene	880	270	ug/Kg	1	09/10/19	WB	SW8270D
Fluorene	ND	270	ug/Kg	1	09/10/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	450	270	ug/Kg	1	09/10/19	WB	SW8270D
Naphthalene	ND	270	ug/Kg	1	09/10/19	WB	SW8270D
Phenanthrene	410	270	ug/Kg	1	09/10/19	WB	SW8270D
Pyrene	880	270	ug/Kg	1	09/10/19	WB	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl	58	%	1	09/10/19	WB	30 - 130 %
% Nitrobenzene-d5	62	%	1	09/10/19	WB	30 - 130 %
% Terphenyl-d14	55	%	1	09/10/19	WB	30 - 130 %

Project ID: 1504390 MILL HILL ELEM
Client ID: MILLHILL S202 (0-0.5')

Phoenix I.D.: CE00377

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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Phyllis Shiller, Laboratory Director

September 10, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 10, 2019

FOR: Attn: Ms. Jill Libby
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: 24 Hour
P.O.#: 1504390

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

09/09/19 13:20
09/09/19 17:54

Time

Laboratory Data

SDG ID: GCE00376
Phoenix ID: CE00378

Project ID: 1504390 MILL HILL ELEM
Client ID: MILLHILL S203 (0-0.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	83		%		09/09/19	VT	SW846-%Solid
Soil Extraction SVOA PAH	Completed				09/09/19	B/NT/JUL	SW3545A

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	280	ug/Kg	1	09/10/19	WB	SW8270D
Acenaphthene	ND	280	ug/Kg	1	09/10/19	WB	SW8270D
Acenaphthylene	ND	280	ug/Kg	1	09/10/19	WB	SW8270D
Anthracene	ND	280	ug/Kg	1	09/10/19	WB	SW8270D
Benz(a)anthracene	580	280	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(a)pyrene	730	280	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(b)fluoranthene	630	280	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(ghi)perylene	600	280	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(k)fluoranthene	580	280	ug/Kg	1	09/10/19	WB	SW8270D
Chrysene	680	280	ug/Kg	1	09/10/19	WB	SW8270D
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	09/10/19	WB	SW8270D
Fluoranthene	1100	280	ug/Kg	1	09/10/19	WB	SW8270D
Fluorene	ND	280	ug/Kg	1	09/10/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	630	280	ug/Kg	1	09/10/19	WB	SW8270D
Naphthalene	ND	280	ug/Kg	1	09/10/19	WB	SW8270D
Phenanthrene	490	280	ug/Kg	1	09/10/19	WB	SW8270D
Pyrene	1100	280	ug/Kg	1	09/10/19	WB	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl	58	%	1	09/10/19	WB	30 - 130 %
% Nitrobenzene-d5	57	%	1	09/10/19	WB	30 - 130 %
% Terphenyl-d14	55	%	1	09/10/19	WB	30 - 130 %

Project ID: 1504390 MILL HILL ELEM
Client ID: MILLHILL S203 (0-0.5')

Phoenix I.D.: CE00378

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

September 10, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 10, 2019

FOR: Attn: Ms. Jill Libby
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: 24 Hour
P.O.#: 1504390

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

09/09/19
09/09/19

Time

13:25
17:54

Laboratory Data

SDG ID: GCE00376
Phoenix ID: CE00379

Project ID: 1504390 MILL HILL ELEM
Client ID: MILLHILL S204 (0-0.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	88		%		09/09/19	VT	SW846-%Solid
Soil Extraction SVOA PAH	Completed				09/09/19	B/NT/JUL	SW3545A

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	260	ug/Kg	1	09/10/19	WB	SW8270D
Acenaphthene	ND	260	ug/Kg	1	09/10/19	WB	SW8270D
Acenaphthylene	300	260	ug/Kg	1	09/10/19	WB	SW8270D
Anthracene	ND	260	ug/Kg	1	09/10/19	WB	SW8270D
Benz(a)anthracene	660	260	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(a)pyrene	810	260	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(b)fluoranthene	720	260	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(ghi)perylene	570	260	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(k)fluoranthene	690	260	ug/Kg	1	09/10/19	WB	SW8270D
Chrysene	760	260	ug/Kg	1	09/10/19	WB	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	09/10/19	WB	SW8270D
Fluoranthene	1400	260	ug/Kg	1	09/10/19	WB	SW8270D
Fluorene	ND	260	ug/Kg	1	09/10/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	620	260	ug/Kg	1	09/10/19	WB	SW8270D
Naphthalene	ND	260	ug/Kg	1	09/10/19	WB	SW8270D
Phenanthrene	610	260	ug/Kg	1	09/10/19	WB	SW8270D
Pyrene	1300	260	ug/Kg	1	09/10/19	WB	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl	56	%	1	09/10/19	WB	30 - 130 %
% Nitrobenzene-d5	57	%	1	09/10/19	WB	30 - 130 %
% Terphenyl-d14	55	%	1	09/10/19	WB	30 - 130 %

Project ID: 1504390 MILL HILL ELEM
Client ID: MILLHILL S204 (0-0.5`)

Phoenix I.D.: CE00379

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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Phyllis Shiller, Laboratory Director

September 10, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 10, 2019

FOR: Attn: Ms. Jill Libby
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: 24 Hour
P.O.#: 1504390

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

09/09/19
09/09/19

Time

13:30
17:54

Laboratory Data

SDG ID: GCE00376
Phoenix ID: CE00380

Project ID: 1504390 MILL HILL ELEM
Client ID: MILLHILL S205 (0-0.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	88		%		09/09/19	VT	SW846-%Solid
Soil Extraction SVOA PAH	Completed				09/09/19	B/NT/UL	SW3545A

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	260	ug/Kg	1	09/10/19	WB	SW8270D
Acenaphthene	ND	260	ug/Kg	1	09/10/19	WB	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	09/10/19	WB	SW8270D
Anthracene	ND	260	ug/Kg	1	09/10/19	WB	SW8270D
Benz(a)anthracene	280	260	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(a)pyrene	370	260	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(b)fluoranthene	350	260	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(ghi)perylene	310	260	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(k)fluoranthene	310	260	ug/Kg	1	09/10/19	WB	SW8270D
Chrysene	340	260	ug/Kg	1	09/10/19	WB	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	09/10/19	WB	SW8270D
Fluoranthene	520	260	ug/Kg	1	09/10/19	WB	SW8270D
Fluorene	ND	260	ug/Kg	1	09/10/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	350	260	ug/Kg	1	09/10/19	WB	SW8270D
Naphthalene	ND	260	ug/Kg	1	09/10/19	WB	SW8270D
Phenanthrene	ND	260	ug/Kg	1	09/10/19	WB	SW8270D
Pyrene	540	260	ug/Kg	1	09/10/19	WB	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl	52	%	1	09/10/19	WB	30 - 130 %
% Nitrobenzene-d5	55	%	1	09/10/19	WB	30 - 130 %
% Terphenyl-d14	52	%	1	09/10/19	WB	30 - 130 %

Project ID: 1504390 MILL HILL ELEM
Client ID: MILLHILL S205 (0-0.5`)

Phoenix I.D.: CE00380

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

September 10, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 10, 2019

FOR: Attn: Ms. Jill Libby
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: 24 Hour
P.O.#: 1504390

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

09/09/19
09/09/19

Time

13:35
17:54

Laboratory Data

SDG ID: GCE00376
Phoenix ID: CE00381

Project ID: 1504390 MILL HILL ELEM
Client ID: MILLHILL S206 (0-0.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	82		%		09/09/19	VT	SW846-%Solid
Soil Extraction SVOA PAH	Completed				09/09/19	B/NT/JUL	SW3545A

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	280	ug/Kg	1	09/10/19	WB	SW8270D
Acenaphthene	ND	280	ug/Kg	1	09/10/19	WB	SW8270D
Acenaphthylene	ND	280	ug/Kg	1	09/10/19	WB	SW8270D
Anthracene	ND	280	ug/Kg	1	09/10/19	WB	SW8270D
Benz(a)anthracene	380	280	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(a)pyrene	490	280	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(b)fluoranthene	450	280	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(ghi)perylene	400	280	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(k)fluoranthene	410	280	ug/Kg	1	09/10/19	WB	SW8270D
Chrysene	480	280	ug/Kg	1	09/10/19	WB	SW8270D
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	09/10/19	WB	SW8270D
Fluoranthene	750	280	ug/Kg	1	09/10/19	WB	SW8270D
Fluorene	ND	280	ug/Kg	1	09/10/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	450	280	ug/Kg	1	09/10/19	WB	SW8270D
Naphthalene	ND	280	ug/Kg	1	09/10/19	WB	SW8270D
Phenanthrene	300	280	ug/Kg	1	09/10/19	WB	SW8270D
Pyrene	790	280	ug/Kg	1	09/10/19	WB	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl	57	%	1	09/10/19	WB	30 - 130 %
% Nitrobenzene-d5	53	%	1	09/10/19	WB	30 - 130 %
% Terphenyl-d14	57	%	1	09/10/19	WB	30 - 130 %

Project ID: 1504390 MILL HILL ELEM
Client ID: MILLHILL S206 (0-0.5')

Phoenix I.D.: CE00381

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.

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Phyllis Shiller, Laboratory Director

September 10, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 10, 2019

FOR: Attn: Ms. Jill Libby
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: 24 Hour
P.O.#: 1504390

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

09/09/19 13:40
09/09/19 17:54

Time

Laboratory Data

SDG ID: GCE00376
Phoenix ID: CE00382

Project ID: 1504390 MILL HILL ELEM
Client ID: MILLHILL S207 (0-0.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	79		%		09/09/19	VT	SW846-%Solid
Soil Extraction SVOA PAH	Completed				09/09/19	B/NT/UL	SW3545A

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	290	ug/Kg	1	09/10/19	WB	SW8270D
Acenaphthene	ND	290	ug/Kg	1	09/10/19	WB	SW8270D
Acenaphthylene	ND	290	ug/Kg	1	09/10/19	WB	SW8270D
Anthracene	ND	290	ug/Kg	1	09/10/19	WB	SW8270D
Benz(a)anthracene	450	290	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(a)pyrene	520	290	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(b)fluoranthene	460	290	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(ghi)perylene	390	290	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(k)fluoranthene	430	290	ug/Kg	1	09/10/19	WB	SW8270D
Chrysene	550	290	ug/Kg	1	09/10/19	WB	SW8270D
Dibenz(a,h)anthracene	ND	290	ug/Kg	1	09/10/19	WB	SW8270D
Fluoranthene	880	290	ug/Kg	1	09/10/19	WB	SW8270D
Fluorene	ND	290	ug/Kg	1	09/10/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	410	290	ug/Kg	1	09/10/19	WB	SW8270D
Naphthalene	ND	290	ug/Kg	1	09/10/19	WB	SW8270D
Phenanthrene	500	290	ug/Kg	1	09/10/19	WB	SW8270D
Pyrene	970	290	ug/Kg	1	09/10/19	WB	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl	59	%	1	09/10/19	WB	30 - 130 %
% Nitrobenzene-d5	56	%	1	09/10/19	WB	30 - 130 %
% Terphenyl-d14	58	%	1	09/10/19	WB	30 - 130 %

Project ID: 1504390 MILL HILL ELEM
Client ID: MILLHILL S207 (0-0.5')

Phoenix I.D.: CE00382

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

September 10, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 10, 2019

FOR: Attn: Ms. Jill Libby
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: 24 Hour
P.O.#: 1504390

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

09/09/19 13:45
09/09/19 17:54

Time

Laboratory Data

SDG ID: GCE00376
Phoenix ID: CE00383

Project ID: 1504390 MILL HILL ELEM
Client ID: MILLHILL S208 (0-0.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	84		%		09/09/19	VT	SW846-%Solid
Soil Extraction SVOA PAH	Completed				09/09/19	B/NT/UL	SW3545A

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	280	ug/Kg	1	09/10/19	WB	SW8270D
Acenaphthene	ND	280	ug/Kg	1	09/10/19	WB	SW8270D
Acenaphthylene	ND	280	ug/Kg	1	09/10/19	WB	SW8270D
Anthracene	ND	280	ug/Kg	1	09/10/19	WB	SW8270D
Benz(a)anthracene	390	280	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(a)pyrene	520	280	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(b)fluoranthene	460	280	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(ghi)perylene	440	280	ug/Kg	1	09/10/19	WB	SW8270D
Benzo(k)fluoranthene	410	280	ug/Kg	1	09/10/19	WB	SW8270D
Chrysene	440	280	ug/Kg	1	09/10/19	WB	SW8270D
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	09/10/19	WB	SW8270D
Fluoranthene	710	280	ug/Kg	1	09/10/19	WB	SW8270D
Fluorene	ND	280	ug/Kg	1	09/10/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	470	280	ug/Kg	1	09/10/19	WB	SW8270D
Naphthalene	ND	280	ug/Kg	1	09/10/19	WB	SW8270D
Phenanthrene	310	280	ug/Kg	1	09/10/19	WB	SW8270D
Pyrene	710	280	ug/Kg	1	09/10/19	WB	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl	56	%	1	09/10/19	WB	30 - 130 %
% Nitrobenzene-d5	52	%	1	09/10/19	WB	30 - 130 %
% Terphenyl-d14	59	%	1	09/10/19	WB	30 - 130 %

Project ID: 1504390 MILL HILL ELEM
Client ID: MILLHILL S208 (0-0.5')

Phoenix I.D.: CE00383

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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Phyllis Shiller, Laboratory Director

September 10, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

September 10, 2019

QA/QC Data

SDG I.D.: GCE00376

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 496072 (ug/kg), QC Sample No: CE00374 (CE00376, CE00377, CE00378, CE00379, CE00380, CE00381, CE00382, CE00383)											
Polynuclear Aromatic HC - Soil											
2-Methylnaphthalene	ND	230	71	74	4.1	45	63	33.3	30 - 130	30	r
Acenaphthene	ND	230	79	82	3.7	51	68	28.6	30 - 130	30	
Acenaphthylene	ND	230	74	77	4.0	47	64	30.6	30 - 130	30	r
Anthracene	ND	230	78	80	2.5	51	68	28.6	30 - 130	30	
Benz(a)anthracene	ND	230	76	77	1.3	51	66	25.6	30 - 130	30	
Benzo(a)pyrene	ND	230	75	76	1.3	50	62	21.4	30 - 130	30	
Benzo(b)fluoranthene	ND	230	77	81	5.1	51	66	25.6	30 - 130	30	
Benzo(ghi)perylene	ND	230	79	80	1.3	52	59	12.6	30 - 130	30	
Benzo(k)fluoranthene	ND	230	79	77	2.6	52	63	19.1	30 - 130	30	
Chrysene	ND	230	76	78	2.6	53	68	24.8	30 - 130	30	
Dibenz(a,h)anthracene	ND	230	83	85	2.4	55	65	16.7	30 - 130	30	
Fluoranthene	ND	230	78	80	2.5	56	73	26.4	30 - 130	30	
Fluorene	ND	230	78	82	5.0	51	69	30.0	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	230	83	83	0.0	55	65	16.7	30 - 130	30	
Naphthalene	ND	230	71	73	2.8	43	60	33.0	30 - 130	30	r
Phenanthrene	ND	230	78	80	2.5	52	69	28.1	30 - 130	30	
Pyrene	ND	230	79	80	1.3	57	74	26.0	30 - 130	30	
% 2-Fluorobiphenyl	66	%	66	70	5.9	43	58	29.7	30 - 130	30	
% Nitrobenzene-d5	65	%	68	68	0.0	41	60	37.6	30 - 130	30	r
% Terphenyl-d14	62	%	64	66	3.1	46	60	26.4	30 - 130	30	

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

September 10, 2019

Tuesday, September 10, 2019

Criteria: CT: GAM, RC

State: CT

Sample Criteria Exceedances Report

GCE00376 - TIGHE-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc.

Client: Tighe & Bond

Project Location: 1504390 MILL HILL ELEM

Project Number:

Laboratory Sample ID(s): CE00376-CE00383

Sampling Date(s): 9/9/2019

List RCP Methods Used (e.g., 8260, 8270, et cetera) 8270

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	<u>VPH and EPH methods only:</u> Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

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.

Authorized Signature:

Position: Assistant Lab Director

Printed Name: Greg Lawrence

Date: Tuesday, September 10, 2019

Name of Laboratory Phoenix Environmental Labs, Inc.

This certification form is to be used for RCP methods only.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

September 10, 2019

SDG I.D.: GCE00376

SDG Comments

8270 Semi-volatile Organics:

The client requested a short list for 8270 RCP Semivolatile. Only the PAH constituents are reported as requested on the chain-of-custody.

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

CHEM06 09/09/19-2

Wes Bryon, Chemist 09/09/19

CE00376, CE00377, CE00378, CE00379, CE00380, CE00381, CE00382, CE00383

For 8270 full list, the DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.

For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

Initial Calibration Evaluation (CHEM06/6_BN_0909):

100% of target compounds met criteria.

The following compounds had %RSDs >20%: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM06/0909_48-6_BN_0909):

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

100% of target compounds met criteria.

The following compounds did not meet % deviation criteria: None.

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 496072 (CE00374)

CE00376, CE00377, CE00378, CE00379, CE00380, CE00381, CE00382, CE00383

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

Temperature Narration

The samples were received at 5.8C with cooling initiated.

(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



Monday, December 30, 2019

Attn: James Olsen
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Project ID: FAIRFIELD-MILL HILL ELEMENTARY SCHOOL
SDG ID: GCE85692
Sample ID#s: CE85692 - CE85694, CE85696, CE85698, CE85700 - CE85701, CE85703,
CE85705, CE85707

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Sample Id Cross Reference

December 30, 2019

SDG I.D.: GCE85692

Project ID: FAIRFIELD-MILL HILL ELEMENTARY SCHOOL

Client Id	Lab Id	Matrix
MH-1 (0.5-1`)	CE85692	SOIL
MH-1 (1-1.5`)	CE85693	SOIL
MH-1S (0-0.5`)	CE85694	SOIL
MH-1N (0-0.5`)	CE85696	SOIL
MH-1E (0-0.5`)	CE85698	SOIL
MH-2 (0.5-1`)	CE85700	SOIL
MH-2 (1-1.5`)	CE85701	SOIL
MH-2E (0-0.5`)	CE85703	SOIL
MH-2N (0-0.5`)	CE85705	SOIL
MH-2W (0-0.5`)	CE85707	SOIL



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 30, 2019

FOR: Attn: James Olsen
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: 24 Hour
P.O.#: 150439-027

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
12/11/19	10:00
12/12/19	10:26

Laboratory Data

SDG ID: GCE85692
Phoenix ID: CE85692

Project ID: FAIRFIELD-MILL HILL ELEMENTARY SCHOOL
Client ID: MH-1 (0.5-1')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	89		%		12/12/19	VT	SW846-%Solid
Soil Extraction SVOA PAH	Completed				12/12/19	K/R/LA	SW3545A
SPLP Extraction for Organics	Completed				12/26/19	LS	SW1312
SPLP Semivolatiles (SIM) Ext.	Completed				12/27/19	JS/JS	SW3510C/SW3520C

Polynuclear Aromatic HC

2-Methylnaphthalene	1100	260	ug/Kg	1	12/13/19	WB	SW8270D
Acenaphthene	870	260	ug/Kg	1	12/13/19	WB	SW8270D
Acenaphthylene	9000	2600	ug/Kg	10	12/13/19	WB	SW8270D
Anthracene	5100	260	ug/Kg	1	12/13/19	WB	SW8270D
Benz(a)anthracene	17000	2600	ug/Kg	10	12/13/19	WB	SW8270D
Benzo(a)pyrene	20000	2600	ug/Kg	10	12/13/19	WB	SW8270D
Benzo(b)fluoranthene	14000	2600	ug/Kg	10	12/13/19	WB	SW8270D
Benzo(ghi)perylene	15000	2600	ug/Kg	10	12/13/19	WB	SW8270D
Benzo(k)fluoranthene	3300	260	ug/Kg	1	12/13/19	WB	SW8270D
Chrysene	17000	2600	ug/Kg	10	12/13/19	WB	SW8270D
Dibenz(a,h)anthracene	3200	260	ug/Kg	1	12/13/19	WB	SW8270D
Fluoranthene	28000	2600	ug/Kg	10	12/13/19	WB	SW8270D
Fluorene	3600	260	ug/Kg	1	12/13/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	14000	2600	ug/Kg	10	12/13/19	WB	SW8270D
Naphthalene	1200	260	ug/Kg	1	12/13/19	WB	SW8270D
Phenanthrene	21000	2600	ug/Kg	10	12/13/19	WB	SW8270D
Pyrene	25000	2600	ug/Kg	10	12/13/19	WB	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl	56		%	1	12/13/19	WB	30 - 130 %
% Nitrobenzene-d5	66		%	1	12/13/19	WB	30 - 130 %
% Terphenyl-d14	55		%	1	12/13/19	WB	30 - 130 %
% 2-Fluorobiphenyl (10x)	Diluted Out		%	10	12/13/19	WB	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Nitrobenzene-d5 (10x)	Diluted Out		%	10	12/13/19	WB	30 - 130 %
% Terphenyl-d14 (10x)	Diluted Out		%	10	12/13/19	WB	30 - 130 %

SPLP Semivolatiles by SIM

2-Methylnaphthalene	ND	0.50	ug/L	1	12/27/19	WB	SW8270D (SIM)
Acenaphthene	ND	0.50	ug/L	1	12/27/19	WB	SW8270D (SIM)
Acenaphthylene	0.38	0.30	ug/L	1	12/27/19	WB	SW8270D (SIM)
Anthracene	ND	0.50	ug/L	1	12/27/19	WB	SW8270D (SIM)
Benz(a)anthracene	0.22	0.05	ug/L	1	12/27/19	WB	SW8270D (SIM)
Benzo(a)pyrene	0.37	0.20	ug/L	1	12/27/19	WB	SW8270D (SIM)
Benzo(b)fluoranthene	0.27	0.07	ug/L	1	12/27/19	WB	SW8270D (SIM)
Benzo(ghi)perylene	0.59	0.48	ug/L	1	12/27/19	WB	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.30	ug/L	1	12/27/19	WB	SW8270D (SIM)
Chrysene	ND	0.50	ug/L	1	12/27/19	WB	SW8270D (SIM)
Dibenz(a,h)anthracene	0.18	0.10	ug/L	1	12/27/19	WB	SW8270D (SIM)
Fluoranthene	ND	0.50	ug/L	1	12/27/19	WB	SW8270D (SIM)
Fluorene	ND	0.50	ug/L	1	12/27/19	WB	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	0.55	0.10	ug/L	1	12/27/19	WB	SW8270D (SIM)
Naphthalene	ND	0.50	ug/L	1	12/27/19	WB	SW8270D (SIM)
Phenanthrene	0.64	0.06	ug/L	1	12/27/19	WB	SW8270D (SIM)
Pyrene	ND	0.50	ug/L	1	12/27/19	WB	SW8270D (SIM)

QA/QC Surrogates

% 2-Fluorobiphenyl	50		%	1	12/27/19	WB	30 - 130 %
% Nitrobenzene-d5	51		%	1	12/27/19	WB	30 - 130 %
% Terphenyl-d14	65		%	1	12/27/19	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 30, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 30, 2019

FOR: Attn: James Olsen
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439-027

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time

12/11/19 10:05
12/12/19 10:26

Laboratory Data

SDG ID: GCE85692
Phoenix ID: CE85693

Project ID: FAIRFIELD-MILL HILL ELEMENTARY SCHOOL
Client ID: MH-1 (1-1.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	79		%		12/12/19	VT	SW846-%Solid
Soil Extraction SVOA PAH	Completed				12/12/19	K/R/LA	SW3545A

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	290	ug/Kg	1	12/13/19	WB	SW8270D
Acenaphthene	ND	290	ug/Kg	1	12/13/19	WB	SW8270D
Acenaphthylene	2300	290	ug/Kg	1	12/13/19	WB	SW8270D
Anthracene	1600	290	ug/Kg	1	12/13/19	WB	SW8270D
Benz(a)anthracene	3800	290	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(a)pyrene	4200	290	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(b)fluoranthene	3300	290	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(ghi)perylene	2500	290	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(k)fluoranthene	2500	290	ug/Kg	1	12/13/19	WB	SW8270D
Chrysene	3700	290	ug/Kg	1	12/13/19	WB	SW8270D
Dibenz(a,h)anthracene	770	290	ug/Kg	1	12/13/19	WB	SW8270D
Fluoranthene	7400	290	ug/Kg	1	12/13/19	WB	SW8270D
Fluorene	780	290	ug/Kg	1	12/13/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	2800	290	ug/Kg	1	12/13/19	WB	SW8270D
Naphthalene	ND	290	ug/Kg	1	12/13/19	WB	SW8270D
Phenanthrene	3700	290	ug/Kg	1	12/13/19	WB	SW8270D
Pyrene	6900	290	ug/Kg	1	12/13/19	WB	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl	64	%	1	12/13/19	WB	30 - 130 %
% Nitrobenzene-d5	64	%	1	12/13/19	WB	30 - 130 %
% Terphenyl-d14	68	%	1	12/13/19	WB	30 - 130 %

Client ID: MH-1 (1-1.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 30, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 30, 2019

FOR: Attn: James Olsen
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439-027

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
12/11/19	10:10
12/12/19	10:26

Laboratory Data

SDG ID: GCE85692
Phoenix ID: CE85694

Project ID: FAIRFIELD-MILL HILL ELEMENTARY SCHOOL
Client ID: MH-1S (0-0.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	90		%		12/12/19	VT	SW846-%Solid
Soil Extraction SVOA PAH	Completed				12/12/19	K/R/LA	SW3545A

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	250	ug/Kg	1	12/13/19	AW	SW8270D
Acenaphthene	ND	250	ug/Kg	1	12/13/19	AW	SW8270D
Acenaphthylene	3200	250	ug/Kg	1	12/13/19	AW	SW8270D
Anthracene	1700	250	ug/Kg	1	12/13/19	AW	SW8270D
Benz(a)anthracene	5500	250	ug/Kg	1	12/13/19	AW	SW8270D
Benzo(a)pyrene	9600	2500	ug/Kg	10	12/16/19	AW	SW8270D
Benzo(b)fluoranthene	6700	250	ug/Kg	1	12/13/19	AW	SW8270D
Benzo(ghi)perylene	5400	250	ug/Kg	1	12/13/19	AW	SW8270D
Benzo(k)fluoranthene	4600	250	ug/Kg	1	12/13/19	AW	SW8270D
Chrysene	5700	250	ug/Kg	1	12/13/19	AW	SW8270D
Dibenz(a,h)anthracene	1300	250	ug/Kg	1	12/13/19	AW	SW8270D
Fluoranthene	8500	2500	ug/Kg	10	12/16/19	AW	SW8270D
Fluorene	810	250	ug/Kg	1	12/13/19	AW	SW8270D
Indeno(1,2,3-cd)pyrene	5300	250	ug/Kg	1	12/13/19	AW	SW8270D
Naphthalene	300	250	ug/Kg	1	12/13/19	AW	SW8270D
Phenanthrene	3800	250	ug/Kg	1	12/13/19	AW	SW8270D
Pyrene	8300	2500	ug/Kg	10	12/16/19	AW	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl	71		%	1	12/13/19	AW	30 - 130 %
% Nitrobenzene-d5	70		%	1	12/13/19	AW	30 - 130 %
% Terphenyl-d14	67		%	1	12/13/19	AW	30 - 130 %
% 2-Fluorobiphenyl (10x)	Diluted Out		%	10	12/16/19	AW	30 - 130 %
% Nitrobenzene-d5 (10x)	Diluted Out		%	10	12/16/19	AW	30 - 130 %
% Terphenyl-d14 (10x)	Diluted Out		%	10	12/16/19	AW	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 30, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 30, 2019

FOR: Attn: James Olsen
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439-027

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time

12/11/19 10:20
12/12/19 10:26

Laboratory Data

SDG ID: GCE85692
Phoenix ID: CE85696

Project ID: FAIRFIELD-MILL HILL ELEMENTARY SCHOOL
Client ID: MH-1N (0-0.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	89		%		12/12/19	VT	SW846-%Solid
Soil Extraction SVOA PAH	Completed				12/12/19	K/R/LA	SW3545A

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	260	ug/Kg	1	12/13/19	WB	SW8270D
Acenaphthene	ND	260	ug/Kg	1	12/13/19	WB	SW8270D
Acenaphthylene	4000	260	ug/Kg	1	12/13/19	WB	SW8270D
Anthracene	2400	260	ug/Kg	1	12/13/19	WB	SW8270D
Benz(a)anthracene	3800	260	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(a)pyrene	5300	260	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(b)fluoranthene	4400	260	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(ghi)perylene	3600	260	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(k)fluoranthene	3100	260	ug/Kg	1	12/13/19	WB	SW8270D
Chrysene	3900	260	ug/Kg	1	12/13/19	WB	SW8270D
Dibenz(a,h)anthracene	1200	260	ug/Kg	1	12/13/19	WB	SW8270D
Fluoranthene	5700	260	ug/Kg	1	12/13/19	WB	SW8270D
Fluorene	1000	260	ug/Kg	1	12/13/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	3700	260	ug/Kg	1	12/13/19	WB	SW8270D
Naphthalene	ND	260	ug/Kg	1	12/13/19	WB	SW8270D
Phenanthrene	3200	260	ug/Kg	1	12/13/19	WB	SW8270D
Pyrene	5800	260	ug/Kg	1	12/13/19	WB	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl	63	%	1	12/13/19	WB	30 - 130 %
% Nitrobenzene-d5	63	%	1	12/13/19	WB	30 - 130 %
% Terphenyl-d14	73	%	1	12/13/19	WB	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 30, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 30, 2019

FOR: Attn: James Olsen
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439-027

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
12/11/19	10:30
12/12/19	10:26

Laboratory Data

SDG ID: GCE85692
Phoenix ID: CE85698

Project ID: FAIRFIELD-MILL HILL ELEMENTARY SCHOOL
Client ID: MH-1E (0-0.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	78		%		12/12/19	VT	SW846-%Solid
Soil Extraction SVOA PAH	Completed				12/12/19	K/R/LA	SW3545A

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Acenaphthene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Acenaphthylene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Anthracene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Benz(a)anthracene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(a)pyrene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(b)fluoranthene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(ghi)perylene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(k)fluoranthene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Chrysene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Dibenz(a,h)anthracene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Fluoranthene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Fluorene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Naphthalene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Phenanthrene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Pyrene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl	60	%	1	12/13/19	WB	30 - 130 %
% Nitrobenzene-d5	55	%	1	12/13/19	WB	30 - 130 %
% Terphenyl-d14	65	%	1	12/13/19	WB	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 30, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 30, 2019

FOR: Attn: James Olsen
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439-027

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
12/11/19	10:40
12/12/19	10:26

Laboratory Data

SDG ID: GCE85692
Phoenix ID: CE85700

Project ID: FAIRFIELD-MILL HILL ELEMENTARY SCHOOL
Client ID: MH-2 (0.5-1')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	86		%		12/12/19	VT	SW846-%Solid
Soil Extraction SVOA PAH	Completed				12/12/19	K/R/LA	SW3545A

Polynuclear Aromatic HC

2-Methylnaphthalene	320	270	ug/Kg	1	12/13/19	WB	SW8270D
Acenaphthene	380	270	ug/Kg	1	12/13/19	WB	SW8270D
Acenaphthylene	4900	270	ug/Kg	1	12/13/19	WB	SW8270D
Anthracene	3200	270	ug/Kg	1	12/13/19	WB	SW8270D
Benz(a)anthracene	7000	270	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(a)pyrene	11000	2700	ug/Kg	10	12/13/19	WB	SW8270D
Benzo(b)fluoranthene	7400	2700	ug/Kg	10	12/13/19	WB	SW8270D
Benzo(ghi)perylene	6100	270	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(k)fluoranthene	4300	270	ug/Kg	1	12/13/19	WB	SW8270D
Chrysene	7400	270	ug/Kg	1	12/13/19	WB	SW8270D
Dibenz(a,h)anthracene	2100	270	ug/Kg	1	12/13/19	WB	SW8270D
Fluoranthene	13000	2700	ug/Kg	10	12/13/19	WB	SW8270D
Fluorene	1700	270	ug/Kg	1	12/13/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	6000	270	ug/Kg	1	12/13/19	WB	SW8270D
Naphthalene	320	270	ug/Kg	1	12/13/19	WB	SW8270D
Phenanthrene	6200	270	ug/Kg	1	12/13/19	WB	SW8270D
Pyrene	13000	2700	ug/Kg	10	12/13/19	WB	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl	57	%	1	12/13/19	WB	30 - 130 %
% Nitrobenzene-d5	49	%	1	12/13/19	WB	30 - 130 %
% Terphenyl-d14	63	%	1	12/13/19	WB	30 - 130 %
% 2-Fluorobiphenyl (10x)	Diluted Out	%	10	12/13/19	WB	30 - 130 %
% Nitrobenzene-d5 (10x)	Diluted Out	%	10	12/13/19	WB	30 - 130 %
% Terphenyl-d14 (10x)	Diluted Out	%	10	12/13/19	WB	30 - 130 %

Client ID: MH-2 (0.5-1')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

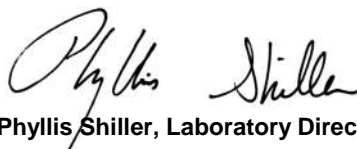
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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**Phyllis Shiller, Laboratory Director****December 30, 2019****Reviewed and Released by: Greg Lawrence, Assistant Lab Director**



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 30, 2019

FOR: Attn: James Olsen
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: 24 Hour
P.O.#: 150439-027

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
12/11/19	10:45
12/12/19	10:26

Laboratory Data

SDG ID: GCE85692
Phoenix ID: CE85701

Project ID: FAIRFIELD-MILL HILL ELEMENTARY SCHOOL
Client ID: MH-2 (1-1.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	90		%		12/12/19	VT	SW846-%Solid
Soil Extraction SVOA PAH	Completed				12/12/19	K/R/LA	SW3545A
SPLP Extraction for Organics	Completed				12/26/19	LS	SW1312
SPLP Semivolatiles (SIM) Ext.	Completed				12/27/19	JS/JS	SW3510C/SW3520C

Polynuclear Aromatic HC

2-Methylnaphthalene	1300	250	ug/Kg	1	12/13/19	WB	SW8270D
Acenaphthene	1100	250	ug/Kg	1	12/13/19	WB	SW8270D
Acenaphthylene	11000	2500	ug/Kg	10	12/13/19	WB	SW8270D
Anthracene	7100	250	ug/Kg	1	12/13/19	WB	SW8270D
Benz(a)anthracene	26000	2500	ug/Kg	10	12/13/19	WB	SW8270D
Benzo(a)pyrene	31000	2500	ug/Kg	10	12/13/19	WB	SW8270D
Benzo(b)fluoranthene	24000	2500	ug/Kg	10	12/13/19	WB	SW8270D
Benzo(ghi)perylene	18000	2500	ug/Kg	10	12/13/19	WB	SW8270D
Benzo(k)fluoranthene	4700	250	ug/Kg	1	12/13/19	WB	SW8270D
Chrysene	25000	2500	ug/Kg	10	12/13/19	WB	SW8270D
Dibenz(a,h)anthracene	5400	250	ug/Kg	1	12/13/19	WB	SW8270D
Fluoranthene	44000	2500	ug/Kg	10	12/13/19	WB	SW8270D
Fluorene	4900	250	ug/Kg	1	12/13/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	20000	2500	ug/Kg	10	12/13/19	WB	SW8270D
Naphthalene	1300	250	ug/Kg	1	12/13/19	WB	SW8270D
Phenanthrene	31000	2500	ug/Kg	10	12/13/19	WB	SW8270D
Pyrene	39000	2500	ug/Kg	10	12/13/19	WB	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl	48	%	1	12/13/19	WB	30 - 130 %
% Nitrobenzene-d5	52	%	1	12/13/19	WB	30 - 130 %
% Terphenyl-d14	47	%	1	12/13/19	WB	30 - 130 %
% 2-Fluorobiphenyl (10x)	Diluted Out	%	10	12/13/19	WB	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Nitrobenzene-d5 (10x)	Diluted Out		%	10	12/13/19	WB	30 - 130 %
% Terphenyl-d14 (10x)	Diluted Out		%	10	12/13/19	WB	30 - 130 %

SPLP Semivolatiles by SIM

2-Methylnaphthalene	0.63	0.50	ug/L	1	12/27/19	WB	SW8270D (SIM)
Acenaphthene	0.66	0.50	ug/L	1	12/27/19	WB	SW8270D (SIM)
Acenaphthylene	1.2	0.30	ug/L	1	12/27/19	WB	SW8270D (SIM)
Anthracene	0.85	0.50	ug/L	1	12/27/19	WB	SW8270D (SIM)
Benz(a)anthracene	0.70	0.05	ug/L	1	12/27/19	WB	SW8270D (SIM)
Benzo(a)pyrene	1.2	0.20	ug/L	1	12/27/19	WB	SW8270D (SIM)
Benzo(b)fluoranthene	0.89	0.07	ug/L	1	12/27/19	WB	SW8270D (SIM)
Benzo(ghi)perylene	1.2	0.48	ug/L	1	12/27/19	WB	SW8270D (SIM)
Benzo(k)fluoranthene	0.87	0.30	ug/L	1	12/27/19	WB	SW8270D (SIM)
Chrysene	0.72	0.50	ug/L	1	12/27/19	WB	SW8270D (SIM)
Dibenz(a,h)anthracene	0.14	0.10	ug/L	1	12/27/19	WB	SW8270D (SIM)
Fluoranthene	1.8	0.50	ug/L	1	12/27/19	WB	SW8270D (SIM)
Fluorene	1.5	0.50	ug/L	1	12/27/19	WB	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	1.4	0.10	ug/L	1	12/27/19	WB	SW8270D (SIM)
Naphthalene	1.5	0.50	ug/L	1	12/27/19	WB	SW8270D (SIM)
Phenanthrene	3.3	0.06	ug/L	1	12/27/19	WB	SW8270D (SIM)
Pyrene	1.5	0.50	ug/L	1	12/27/19	WB	SW8270D (SIM)

QA/QC Surrogates

% 2-Fluorobiphenyl	46		%	1	12/27/19	WB	30 - 130 %
% Nitrobenzene-d5	50		%	1	12/27/19	WB	30 - 130 %
% Terphenyl-d14	61		%	1	12/27/19	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

December 30, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 30, 2019

FOR: Attn: James Olsen
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439-027

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time

12/11/19 11:00
12/12/19 10:26

Laboratory Data

SDG ID: GCE85692
Phoenix ID: CE85703

Project ID: FAIRFIELD-MILL HILL ELEMENTARY SCHOOL
Client ID: MH-2E (0-0.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	80		%		12/12/19	VT	SW846-%Solid
Soil Extraction SVOA PAH	Completed				12/12/19	K/R/LA	SW3545A

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	290	ug/Kg	1	12/13/19	WB	SW8270D
Acenaphthene	ND	290	ug/Kg	1	12/13/19	WB	SW8270D
Acenaphthylene	750	290	ug/Kg	1	12/13/19	WB	SW8270D
Anthracene	440	290	ug/Kg	1	12/13/19	WB	SW8270D
Benz(a)anthracene	900	290	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(a)pyrene	2300	290	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(b)fluoranthene	1500	290	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(ghi)perylene	1400	290	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(k)fluoranthene	1200	290	ug/Kg	1	12/13/19	WB	SW8270D
Chrysene	980	290	ug/Kg	1	12/13/19	WB	SW8270D
Dibenz(a,h)anthracene	400	290	ug/Kg	1	12/13/19	WB	SW8270D
Fluoranthene	1700	290	ug/Kg	1	12/13/19	WB	SW8270D
Fluorene	ND	290	ug/Kg	1	12/13/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	1700	290	ug/Kg	1	12/13/19	WB	SW8270D
Naphthalene	ND	290	ug/Kg	1	12/13/19	WB	SW8270D
Phenanthrene	960	290	ug/Kg	1	12/13/19	WB	SW8270D
Pyrene	1700	290	ug/Kg	1	12/13/19	WB	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl	51	%	1	12/13/19	WB	30 - 130 %
% Nitrobenzene-d5	36	%	1	12/13/19	WB	30 - 130 %
% Terphenyl-d14	65	%	1	12/13/19	WB	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 30, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 30, 2019

FOR: Attn: James Olsen
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439-027

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
12/11/19	11:10
12/12/19	10:26

Laboratory Data

SDG ID: GCE85692
Phoenix ID: CE85705

Project ID: FAIRFIELD-MILL HILL ELEMENTARY SCHOOL
Client ID: MH-2N (0-0.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	78		%		12/12/19	VT	SW846-%Solid
Soil Extraction SVOA PAH	Completed				12/12/19	K/R/LA	SW3545A

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Acenaphthene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Acenaphthylene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Anthracene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Benz(a)anthracene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(a)pyrene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(b)fluoranthene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(ghi)perylene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(k)fluoranthene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Chrysene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Dibenz(a,h)anthracene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Fluoranthene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Fluorene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Naphthalene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Phenanthrene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D
Pyrene	ND	300	ug/Kg	1	12/13/19	WB	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl	58	%	1	12/13/19	WB	30 - 130 %
% Nitrobenzene-d5	56	%	1	12/13/19	WB	30 - 130 %
% Terphenyl-d14	57	%	1	12/13/19	WB	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.
If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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Phyllis Shiller, Laboratory Director

December 30, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

December 30, 2019

FOR: Attn: James Olsen
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439-027

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time

12/11/19 11:20
12/12/19 10:26

Laboratory Data

SDG ID: GCE85692
Phoenix ID: CE85707

Project ID: FAIRFIELD-MILL HILL ELEMENTARY SCHOOL
Client ID: MH-2W (0-0.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	81		%		12/12/19	VT	SW846-%Solid
Soil Extraction SVOA PAH	Completed				12/12/19	K/R/LA	SW3545A

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	290	ug/Kg	1	12/13/19	WB	SW8270D
Acenaphthene	ND	290	ug/Kg	1	12/13/19	WB	SW8270D
Acenaphthylene	640	290	ug/Kg	1	12/13/19	WB	SW8270D
Anthracene	360	290	ug/Kg	1	12/13/19	WB	SW8270D
Benz(a)anthracene	1100	290	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(a)pyrene	1400	290	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(b)fluoranthene	1100	290	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(ghi)perylene	1200	290	ug/Kg	1	12/13/19	WB	SW8270D
Benzo(k)fluoranthene	930	290	ug/Kg	1	12/13/19	WB	SW8270D
Chrysene	1200	290	ug/Kg	1	12/13/19	WB	SW8270D
Dibenz(a,h)anthracene	330	290	ug/Kg	1	12/13/19	WB	SW8270D
Fluoranthene	1900	290	ug/Kg	1	12/13/19	WB	SW8270D
Fluorene	ND	290	ug/Kg	1	12/13/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	1400	290	ug/Kg	1	12/13/19	WB	SW8270D
Naphthalene	ND	290	ug/Kg	1	12/13/19	WB	SW8270D
Phenanthrene	830	290	ug/Kg	1	12/13/19	WB	SW8270D
Pyrene	2000	290	ug/Kg	1	12/13/19	WB	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl	51	%	1	12/13/19	WB	30 - 130 %
% Nitrobenzene-d5	34	%	1	12/13/19	WB	30 - 130 %
% Terphenyl-d14	66	%	1	12/13/19	WB	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.

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Phyllis Shiller, Laboratory Director

December 30, 2019

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

December 30, 2019

QA/QC Data

SDG I.D.: GCE85692

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 509991 (ug/kg), QC Sample No: CE85705 (CE85692, CE85693, CE85694, CE85696, CE85698, CE85700, CE85701, CE85703, CE85705, CE85707)										
<u>Polynuclear Aromatic HC - Soil</u>										
2-Methylnaphthalene	ND	230	62	60	3.3	34	39	13.7	30 - 130	30
Acenaphthene	ND	230	66	65	1.5	38	41	7.6	30 - 130	30
Acenaphthylene	ND	230	66	65	1.5	45	44	2.2	30 - 130	30
Anthracene	ND	230	67	68	1.5	47	43	8.9	30 - 130	30
Benz(a)anthracene	ND	230	71	72	1.4	77	53	36.9	30 - 130	30 r
Benzo(a)pyrene	ND	230	75	76	1.3	75	54	32.6	30 - 130	30 r
Benzo(b)fluoranthene	ND	230	68	71	4.3	65	51	24.1	30 - 130	30
Benzo(ghi)perylene	ND	230	72	75	4.1	45	37	19.5	30 - 130	30
Benzo(k)fluoranthene	ND	230	71	67	5.8	62	47	27.5	30 - 130	30
Chrysene	ND	230	69	70	1.4	77	53	36.9	30 - 130	30 r
Dibenz(a,h)anthracene	ND	230	79	82	3.7	44	42	4.7	30 - 130	30
Fluoranthene	ND	230	68	68	0.0	92	57	47.0	30 - 130	30 r
Fluorene	ND	230	65	65	0.0	44	42	4.7	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	230	71	74	4.1	47	38	21.2	30 - 130	30
Naphthalene	ND	230	58	57	1.7	29	35	18.8	30 - 130	30 m
Phenanthrene	ND	230	65	66	1.5	77	50	42.5	30 - 130	30 r
Pyrene	ND	230	70	70	0.0	95	59	46.8	30 - 130	30 r
% 2-Fluorobiphenyl	55	%	61	60	1.7	33	37	11.4	30 - 130	30
% Nitrobenzene-d5	53	%	61	58	5.0	29	36	21.5	30 - 130	30 m
% Terphenyl-d14	52	%	59	59	0.0	31	35	12.1	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 511948 (ug/L), QC Sample No: CE85692 (CE85692, CE85701)

Semivolatiles by SIM, PAH - SPLP

2-Methylnaphthalene	ND	0.50	69	72	4.3				30 - 130	20
Acenaphthene	ND	0.50	63	66	4.7				30 - 130	20
Acenaphthylene	ND	0.30	58	61	5.0				30 - 130	20
Anthracene	ND	0.50	67	70	4.4				30 - 130	20
Benz(a)anthracene	ND	0.05	70	72	2.8				30 - 130	20
Benzo(a)pyrene	ND	0.20	76	78	2.6				30 - 130	20
Benzo(b)fluoranthene	ND	0.07	71	72	1.4				30 - 130	20
Benzo(ghi)perylene	ND	0.48	65	71	8.8				30 - 130	20
Benzo(k)fluoranthene	ND	0.30	75	77	2.6				30 - 130	20
Chrysene	ND	0.50	68	70	2.9				30 - 130	20
Dibenz(a,h)anthracene	ND	0.10	83	89	7.0				30 - 130	20
Fluoranthene	ND	0.50	69	75	8.3				30 - 130	20
Fluorene	ND	0.50	65	68	4.5				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	0.10	108	115	6.3				30 - 130	20
Naphthalene	ND	0.50	49	51	4.0				30 - 130	20

QA/QC Data

SDG I.D.: GCE85692

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Phenanthrene	ND	0.06	62	64	3.2				30 - 130	20
Pyrene	ND	0.50	71	79	10.7				30 - 130	20
% 2-Fluorobiphenyl	54	%	52	54	3.8				30 - 130	20
% Nitrobenzene-d5	60	%	58	60	3.4				30 - 130	20
% Terphenyl-d14	71	%	70	75	6.9				30 - 130	20

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

m = This parameter is outside laboratory MS/MSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director
December 30, 2019

Monday, December 30, 2019

Criteria: CT: GAM, GBM, I/C, RC

State: CT

Sample Criteria Exceedances Report

GCE85692 - TIGHE-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CE85692	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR DEC I/C (mg/kg) / APS Organics	3200	260	1000	1000	ug/Kg
CE85692	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR DEC I/C (mg/kg) / APS Organics	14000	2600	7800	7800	ug/Kg
CE85692	\$8100SMR	Benz(a)anthracene	CT / RSR DEC I/C (mg/kg) / Semivolatiles	17000	2600	7800	7800	ug/Kg
CE85692	\$8100SMR	Benzo(a)pyrene	CT / RSR DEC I/C (mg/kg) / Semivolatiles	20000	2600	1000	1000	ug/Kg
CE85692	\$8100SMR	Benzo(b)fluoranthene	CT / RSR DEC I/C (mg/kg) / Semivolatiles	14000	2600	7800	7800	ug/Kg
CE85692	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR DEC RES (mg/kg) / APS Organics	14000	2600	1000	1000	ug/Kg
CE85692	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR DEC RES (mg/kg) / APS Organics	3200	260	1000	1000	ug/Kg
CE85692	\$8100SMR	Benzo(ghi)perylene	CT / RSR DEC RES (mg/kg) / APS Organics	15000	2600	8400	8400	ug/Kg
CE85692	\$8100SMR	Benz(a)anthracene	CT / RSR DEC RES (mg/kg) / Semivolatiles	17000	2600	1000	1000	ug/Kg
CE85692	\$8100SMR	Benzo(a)pyrene	CT / RSR DEC RES (mg/kg) / Semivolatiles	20000	2600	1000	1000	ug/Kg
CE85692	\$8100SMR	Benzo(b)fluoranthene	CT / RSR DEC RES (mg/kg) / Semivolatiles	14000	2600	1000	1000	ug/Kg
CE85692	\$8100SMR	2-Methylnaphthalene	CT / RSR GA,GAA (mg/kg) / APS Organics	1100	260	560	560	ug/Kg
CE85692	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR GA,GAA (mg/kg) / APS Organics	14000	2600	1000	1000	ug/Kg
CE85692	\$8100SMR	Benzo(ghi)perylene	CT / RSR GA,GAA (mg/kg) / APS Organics	15000	2600	1000	1000	ug/Kg
CE85692	\$8100SMR	Chrysene	CT / RSR GA,GAA (mg/kg) / APS Organics	17000	2600	1000	1000	ug/Kg
CE85692	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR GA,GAA (mg/kg) / APS Organics	3200	260	1000	1000	ug/Kg
CE85692	\$8100SMR	Pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	25000	2600	4000	4000	ug/Kg
CE85692	\$8100SMR	Phenanthrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	21000	2600	4000	4000	ug/Kg
CE85692	\$8100SMR	Acenaphthylene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	9000	2600	8400	8400	ug/Kg
CE85692	\$8100SMR	Fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	28000	2600	5600	5600	ug/Kg
CE85692	\$8100SMR	Benzo(a)pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	20000	2600	1000	1000	ug/Kg
CE85692	\$8100SMR	Benzo(b)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	14000	2600	1000	1000	ug/Kg
CE85692	\$8100SMR	Benz(a)anthracene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	17000	2600	1000	1000	ug/Kg
CE85692	\$8100SMR	Benzo(k)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	3300	260	1000	1000	ug/Kg
CE85692	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR GB (mg/kg) / APS Organics	3200	260	1000	1000	ug/Kg
CE85692	\$8100SMR	Chrysene	CT / RSR GB (mg/kg) / APS Organics	17000	2600	1000	1000	ug/Kg
CE85692	\$8100SMR	Benzo(ghi)perylene	CT / RSR GB (mg/kg) / APS Organics	15000	2600	1000	1000	ug/Kg
CE85692	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR GB (mg/kg) / APS Organics	14000	2600	1000	1000	ug/Kg
CE85692	\$8100SMR	Benzo(a)pyrene	CT / RSR GB (mg/kg) / Semivolatiles	20000	2600	1000	1000	ug/Kg
CE85692	\$8100SMR	Benzo(b)fluoranthene	CT / RSR GB (mg/kg) / Semivolatiles	14000	2600	1000	1000	ug/Kg
CE85692	\$8100SMR	Benz(a)anthracene	CT / RSR GB (mg/kg) / Semivolatiles	17000	2600	1000	1000	ug/Kg
CE85692	\$8100SMR	Benzo(k)fluoranthene	CT / RSR GB (mg/kg) / Semivolatiles	3300	260	1000	1000	ug/Kg
CE85693	\$8100SMR	Benzo(a)pyrene	CT / RSR DEC I/C (mg/kg) / Semivolatiles	4200	290	1000	1000	ug/Kg
CE85693	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR DEC RES (mg/kg) / APS Organics	2800	290	1000	1000	ug/Kg
CE85693	\$8100SMR	Benzo(a)pyrene	CT / RSR DEC RES (mg/kg) / Semivolatiles	4200	290	1000	1000	ug/Kg
CE85693	\$8100SMR	Benzo(b)fluoranthene	CT / RSR DEC RES (mg/kg) / Semivolatiles	3300	290	1000	1000	ug/Kg
CE85693	\$8100SMR	Benz(a)anthracene	CT / RSR DEC RES (mg/kg) / Semivolatiles	3800	290	1000	1000	ug/Kg
CE85693	\$8100SMR	Benzo(ghi)perylene	CT / RSR GA,GAA (mg/kg) / APS Organics	2500	290	1000	1000	ug/Kg
CE85693	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR GA,GAA (mg/kg) / APS Organics	2800	290	1000	1000	ug/Kg
CE85693	\$8100SMR	Chrysene	CT / RSR GA,GAA (mg/kg) / APS Organics	3700	290	1000	1000	ug/Kg
CE85693	\$8100SMR	Benzo(k)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	2500	290	1000	1000	ug/Kg

Monday, December 30, 2019

Criteria: CT: GAM, GBM, I/C, RC

State: CT

Sample Criteria Exceedances Report

GCE85692 - TIGHE-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CE85693	\$8100SMR	Pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	6900	290	4000	4000	ug/Kg
CE85693	\$8100SMR	Fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	7400	290	5600	5600	ug/Kg
CE85693	\$8100SMR	Benz(a)anthracene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	3800	290	1000	1000	ug/Kg
CE85693	\$8100SMR	Benzo(b)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	3300	290	1000	1000	ug/Kg
CE85693	\$8100SMR	Benzo(a)pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	4200	290	1000	1000	ug/Kg
CE85693	\$8100SMR	Chrysene	CT / RSR GB (mg/kg) / APS Organics	3700	290	1000	1000	ug/Kg
CE85693	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR GB (mg/kg) / APS Organics	2800	290	1000	1000	ug/Kg
CE85693	\$8100SMR	Benzo(ghi)perylene	CT / RSR GB (mg/kg) / APS Organics	2500	290	1000	1000	ug/Kg
CE85693	\$8100SMR	Benzo(k)fluoranthene	CT / RSR GB (mg/kg) / Semivolatiles	2500	290	1000	1000	ug/Kg
CE85693	\$8100SMR	Benzo(a)pyrene	CT / RSR GB (mg/kg) / Semivolatiles	4200	290	1000	1000	ug/Kg
CE85693	\$8100SMR	Benz(a)anthracene	CT / RSR GB (mg/kg) / Semivolatiles	3800	290	1000	1000	ug/Kg
CE85693	\$8100SMR	Benzo(b)fluoranthene	CT / RSR GB (mg/kg) / Semivolatiles	3300	290	1000	1000	ug/Kg
CE85694	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR DEC I/C (mg/kg) / APS Organics	1300	250	1000	1000	ug/Kg
CE85694	\$8100SMR	Benzo(a)pyrene	CT / RSR DEC I/C (mg/kg) / Semivolatiles	9600	2500	1000	1000	ug/Kg
CE85694	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR DEC RES (mg/kg) / APS Organics	5300	250	1000	1000	ug/Kg
CE85694	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR DEC RES (mg/kg) / APS Organics	1300	250	1000	1000	ug/Kg
CE85694	\$8100SMR	Benzo(b)fluoranthene	CT / RSR DEC RES (mg/kg) / Semivolatiles	6700	250	1000	1000	ug/Kg
CE85694	\$8100SMR	Benzo(a)pyrene	CT / RSR DEC RES (mg/kg) / Semivolatiles	9600	2500	1000	1000	ug/Kg
CE85694	\$8100SMR	Benz(a)anthracene	CT / RSR DEC RES (mg/kg) / Semivolatiles	5500	250	1000	1000	ug/Kg
CE85694	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR GA,GAA (mg/kg) / APS Organics	1300	250	1000	1000	ug/Kg
CE85694	\$8100SMR	Chrysene	CT / RSR GA,GAA (mg/kg) / APS Organics	5700	250	1000	1000	ug/Kg
CE85694	\$8100SMR	Benzo(ghi)perylene	CT / RSR GA,GAA (mg/kg) / APS Organics	5400	250	1000	1000	ug/Kg
CE85694	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR GA,GAA (mg/kg) / APS Organics	5300	250	1000	1000	ug/Kg
CE85694	\$8100SMR	Fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	8500	2500	5600	5600	ug/Kg
CE85694	\$8100SMR	Pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	8300	2500	4000	4000	ug/Kg
CE85694	\$8100SMR	Benzo(a)pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	9600	2500	1000	1000	ug/Kg
CE85694	\$8100SMR	Benz(a)anthracene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	5500	250	1000	1000	ug/Kg
CE85694	\$8100SMR	Benzo(b)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	6700	250	1000	1000	ug/Kg
CE85694	\$8100SMR	Benzo(k)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	4600	250	1000	1000	ug/Kg
CE85694	\$8100SMR	Benzo(ghi)perylene	CT / RSR GB (mg/kg) / APS Organics	5400	250	1000	1000	ug/Kg
CE85694	\$8100SMR	Chrysene	CT / RSR GB (mg/kg) / APS Organics	5700	250	1000	1000	ug/Kg
CE85694	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR GB (mg/kg) / APS Organics	1300	250	1000	1000	ug/Kg
CE85694	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR GB (mg/kg) / APS Organics	5300	250	1000	1000	ug/Kg
CE85694	\$8100SMR	Benzo(a)pyrene	CT / RSR GB (mg/kg) / Semivolatiles	9600	2500	1000	1000	ug/Kg
CE85694	\$8100SMR	Benzo(k)fluoranthene	CT / RSR GB (mg/kg) / Semivolatiles	4600	250	1000	1000	ug/Kg
CE85694	\$8100SMR	Benzo(b)fluoranthene	CT / RSR GB (mg/kg) / Semivolatiles	6700	250	1000	1000	ug/Kg
CE85694	\$8100SMR	Benz(a)anthracene	CT / RSR GB (mg/kg) / Semivolatiles	5500	250	1000	1000	ug/Kg
CE85696	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR DEC I/C (mg/kg) / APS Organics	1200	260	1000	1000	ug/Kg
CE85696	\$8100SMR	Benzo(a)pyrene	CT / RSR DEC I/C (mg/kg) / Semivolatiles	5300	260	1000	1000	ug/Kg
CE85696	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR DEC RES (mg/kg) / APS Organics	3700	260	1000	1000	ug/Kg

Monday, December 30, 2019

Criteria: CT: GAM, GBM, I/C, RC

State: CT

Sample Criteria Exceedances Report

GCE85692 - TIGHE-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CE85696	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR DEC RES (mg/kg) / APS Organics	1200	260	1000	1000	ug/Kg
CE85696	\$8100SMR	Benz(a)anthracene	CT / RSR DEC RES (mg/kg) / Semivolatiles	3800	260	1000	1000	ug/Kg
CE85696	\$8100SMR	Benzo(a)pyrene	CT / RSR DEC RES (mg/kg) / Semivolatiles	5300	260	1000	1000	ug/Kg
CE85696	\$8100SMR	Benzo(b)fluoranthene	CT / RSR DEC RES (mg/kg) / Semivolatiles	4400	260	1000	1000	ug/Kg
CE85696	\$8100SMR	Benzo(ghi)perylene	CT / RSR GA,GAA (mg/kg) / APS Organics	3600	260	1000	1000	ug/Kg
CE85696	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR GA,GAA (mg/kg) / APS Organics	1200	260	1000	1000	ug/Kg
CE85696	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR GA,GAA (mg/kg) / APS Organics	3700	260	1000	1000	ug/Kg
CE85696	\$8100SMR	Chrysene	CT / RSR GA,GAA (mg/kg) / APS Organics	3900	260	1000	1000	ug/Kg
CE85696	\$8100SMR	Benz(a)anthracene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	3800	260	1000	1000	ug/Kg
CE85696	\$8100SMR	Benzo(a)pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	5300	260	1000	1000	ug/Kg
CE85696	\$8100SMR	Benzo(b)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	4400	260	1000	1000	ug/Kg
CE85696	\$8100SMR	Benzo(k)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	3100	260	1000	1000	ug/Kg
CE85696	\$8100SMR	Pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	5800	260	4000	4000	ug/Kg
CE85696	\$8100SMR	Fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	5700	260	5600	5600	ug/Kg
CE85696	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR GB (mg/kg) / APS Organics	1200	260	1000	1000	ug/Kg
CE85696	\$8100SMR	Chrysene	CT / RSR GB (mg/kg) / APS Organics	3900	260	1000	1000	ug/Kg
CE85696	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR GB (mg/kg) / APS Organics	3700	260	1000	1000	ug/Kg
CE85696	\$8100SMR	Benzo(ghi)perylene	CT / RSR GB (mg/kg) / APS Organics	3600	260	1000	1000	ug/Kg
CE85696	\$8100SMR	Benzo(a)pyrene	CT / RSR GB (mg/kg) / Semivolatiles	5300	260	1000	1000	ug/Kg
CE85696	\$8100SMR	Benzo(k)fluoranthene	CT / RSR GB (mg/kg) / Semivolatiles	3100	260	1000	1000	ug/Kg
CE85696	\$8100SMR	Benz(a)anthracene	CT / RSR GB (mg/kg) / Semivolatiles	3800	260	1000	1000	ug/Kg
CE85696	\$8100SMR	Benzo(b)fluoranthene	CT / RSR GB (mg/kg) / Semivolatiles	4400	260	1000	1000	ug/Kg
CE85700	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR DEC I/C (mg/kg) / APS Organics	2100	270	1000	1000	ug/Kg
CE85700	\$8100SMR	Benzo(a)pyrene	CT / RSR DEC I/C (mg/kg) / Semivolatiles	11000	2700	1000	1000	ug/Kg
CE85700	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR DEC RES (mg/kg) / APS Organics	2100	270	1000	1000	ug/Kg
CE85700	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR DEC RES (mg/kg) / APS Organics	6000	270	1000	1000	ug/Kg
CE85700	\$8100SMR	Benzo(a)pyrene	CT / RSR DEC RES (mg/kg) / Semivolatiles	11000	2700	1000	1000	ug/Kg
CE85700	\$8100SMR	Benz(a)anthracene	CT / RSR DEC RES (mg/kg) / Semivolatiles	7000	270	1000	1000	ug/Kg
CE85700	\$8100SMR	Benzo(b)fluoranthene	CT / RSR DEC RES (mg/kg) / Semivolatiles	7400	2700	1000	1000	ug/Kg
CE85700	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR GA,GAA (mg/kg) / APS Organics	2100	270	1000	1000	ug/Kg
CE85700	\$8100SMR	Benzo(ghi)perylene	CT / RSR GA,GAA (mg/kg) / APS Organics	6100	270	1000	1000	ug/Kg
CE85700	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR GA,GAA (mg/kg) / APS Organics	6000	270	1000	1000	ug/Kg
CE85700	\$8100SMR	Chrysene	CT / RSR GA,GAA (mg/kg) / APS Organics	7400	270	1000	1000	ug/Kg
CE85700	\$8100SMR	Benzo(k)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	4300	270	1000	1000	ug/Kg
CE85700	\$8100SMR	Benzo(a)pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	11000	2700	1000	1000	ug/Kg
CE85700	\$8100SMR	Phenanthrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	6200	270	4000	4000	ug/Kg
CE85700	\$8100SMR	Fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	13000	2700	5600	5600	ug/Kg
CE85700	\$8100SMR	Benzo(b)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	7400	2700	1000	1000	ug/Kg
CE85700	\$8100SMR	Pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	13000	2700	4000	4000	ug/Kg
CE85700	\$8100SMR	Benz(a)anthracene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	7000	270	1000	1000	ug/Kg
CE85700	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR GB (mg/kg) / APS Organics	6000	270	1000	1000	ug/Kg

Monday, December 30, 2019

Criteria: CT: GAM, GBM, I/C, RC

State: CT

Sample Criteria Exceedances Report

GCE85692 - TIGHE-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CE85700	\$8100SMR	Chrysene	CT / RSR GB (mg/kg) / APS Organics	7400	270	1000	1000	ug/Kg
CE85700	\$8100SMR	Benzo(ghi)perylene	CT / RSR GB (mg/kg) / APS Organics	6100	270	1000	1000	ug/Kg
CE85700	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR GB (mg/kg) / APS Organics	2100	270	1000	1000	ug/Kg
CE85700	\$8100SMR	Benzo(a)pyrene	CT / RSR GB (mg/kg) / Semivolatiles	11000	2700	1000	1000	ug/Kg
CE85700	\$8100SMR	Benzo(b)fluoranthene	CT / RSR GB (mg/kg) / Semivolatiles	7400	2700	1000	1000	ug/Kg
CE85700	\$8100SMR	Benz(a)anthracene	CT / RSR GB (mg/kg) / Semivolatiles	7000	270	1000	1000	ug/Kg
CE85700	\$8100SMR	Benzo(k)fluoranthene	CT / RSR GB (mg/kg) / Semivolatiles	4300	270	1000	1000	ug/Kg
CE85701	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR DEC I/C (mg/kg) / APS Organics	5400	250	1000	1000	ug/Kg
CE85701	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR DEC I/C (mg/kg) / APS Organics	20000	2500	7800	7800	ug/Kg
CE85701	\$8100SMR	Benzo(b)fluoranthene	CT / RSR DEC I/C (mg/kg) / Semivolatiles	24000	2500	7800	7800	ug/Kg
CE85701	\$8100SMR	Benzo(a)pyrene	CT / RSR DEC I/C (mg/kg) / Semivolatiles	31000	2500	1000	1000	ug/Kg
CE85701	\$8100SMR	Benz(a)anthracene	CT / RSR DEC I/C (mg/kg) / Semivolatiles	26000	2500	7800	7800	ug/Kg
CE85701	\$8100SMR	Benzo(ghi)perylene	CT / RSR DEC RES (mg/kg) / APS Organics	18000	2500	8400	8400	ug/Kg
CE85701	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR DEC RES (mg/kg) / APS Organics	5400	250	1000	1000	ug/Kg
CE85701	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR DEC RES (mg/kg) / APS Organics	20000	2500	1000	1000	ug/Kg
CE85701	\$8100SMR	Benz(a)anthracene	CT / RSR DEC RES (mg/kg) / Semivolatiles	26000	2500	1000	1000	ug/Kg
CE85701	\$8100SMR	Benzo(a)pyrene	CT / RSR DEC RES (mg/kg) / Semivolatiles	31000	2500	1000	1000	ug/Kg
CE85701	\$8100SMR	Benzo(b)fluoranthene	CT / RSR DEC RES (mg/kg) / Semivolatiles	24000	2500	1000	1000	ug/Kg
CE85701	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR GA,GAA (mg/kg) / APS Organics	20000	2500	1000	1000	ug/Kg
CE85701	\$8100SMR	2-Methylnaphthalene	CT / RSR GA,GAA (mg/kg) / APS Organics	1300	250	560	560	ug/Kg
CE85701	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR GA,GAA (mg/kg) / APS Organics	5400	250	1000	1000	ug/Kg
CE85701	\$8100SMR	Benzo(ghi)perylene	CT / RSR GA,GAA (mg/kg) / APS Organics	18000	2500	1000	1000	ug/Kg
CE85701	\$8100SMR	Chrysene	CT / RSR GA,GAA (mg/kg) / APS Organics	25000	2500	1000	1000	ug/Kg
CE85701	\$8100SMR	Phenanthrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	31000	2500	4000	4000	ug/Kg
CE85701	\$8100SMR	Pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	39000	2500	4000	4000	ug/Kg
CE85701	\$8100SMR	Fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	44000	2500	5600	5600	ug/Kg
CE85701	\$8100SMR	Acenaphthylene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	11000	2500	8400	8400	ug/Kg
CE85701	\$8100SMR	Benzo(k)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	4700	250	1000	1000	ug/Kg
CE85701	\$8100SMR	Benz(a)anthracene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	26000	2500	1000	1000	ug/Kg
CE85701	\$8100SMR	Benzo(a)pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	31000	2500	1000	1000	ug/Kg
CE85701	\$8100SMR	Benzo(b)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	24000	2500	1000	1000	ug/Kg
CE85701	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR GB (mg/kg) / APS Organics	20000	2500	1000	1000	ug/Kg
CE85701	\$8100SMR	Benzo(ghi)perylene	CT / RSR GB (mg/kg) / APS Organics	18000	2500	1000	1000	ug/Kg
CE85701	\$8100SMR	Chrysene	CT / RSR GB (mg/kg) / APS Organics	25000	2500	1000	1000	ug/Kg
CE85701	\$8100SMR	Dibenz(a,h)anthracene	CT / RSR GB (mg/kg) / APS Organics	5400	250	1000	1000	ug/Kg
CE85701	\$8100SMR	Benzo(b)fluoranthene	CT / RSR GB (mg/kg) / Semivolatiles	24000	2500	1000	1000	ug/Kg
CE85701	\$8100SMR	Benz(a)anthracene	CT / RSR GB (mg/kg) / Semivolatiles	26000	2500	1000	1000	ug/Kg
CE85701	\$8100SMR	Benzo(k)fluoranthene	CT / RSR GB (mg/kg) / Semivolatiles	4700	250	1000	1000	ug/Kg
CE85701	\$8100SMR	Benzo(a)pyrene	CT / RSR GB (mg/kg) / Semivolatiles	31000	2500	1000	1000	ug/Kg
CE85703	\$8100SMR	Benzo(a)pyrene	CT / RSR DEC I/C (mg/kg) / Semivolatiles	2300	290	1000	1000	ug/Kg

Monday, December 30, 2019

Criteria: CT: GAM, GBM, I/C, RC

State: CT

Sample Criteria Exceedances Report

GCE85692 - TIGHE-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CE85703	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR DEC RES (mg/kg) / APS Organics	1700	290	1000	1000	ug/Kg
CE85703	\$8100SMR	Benzo(b)fluoranthene	CT / RSR DEC RES (mg/kg) / Semivolatiles	1500	290	1000	1000	ug/Kg
CE85703	\$8100SMR	Benzo(a)pyrene	CT / RSR DEC RES (mg/kg) / Semivolatiles	2300	290	1000	1000	ug/Kg
CE85703	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR GA,GAA (mg/kg) / APS Organics	1700	290	1000	1000	ug/Kg
CE85703	\$8100SMR	Benzo(ghi)perylene	CT / RSR GA,GAA (mg/kg) / APS Organics	1400	290	1000	1000	ug/Kg
CE85703	\$8100SMR	Benzo(b)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	1500	290	1000	1000	ug/Kg
CE85703	\$8100SMR	Benzo(k)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	1200	290	1000	1000	ug/Kg
CE85703	\$8100SMR	Benzo(a)pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	2300	290	1000	1000	ug/Kg
CE85703	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR GB (mg/kg) / APS Organics	1700	290	1000	1000	ug/Kg
CE85703	\$8100SMR	Benzo(ghi)perylene	CT / RSR GB (mg/kg) / APS Organics	1400	290	1000	1000	ug/Kg
CE85703	\$8100SMR	Benzo(b)fluoranthene	CT / RSR GB (mg/kg) / Semivolatiles	1500	290	1000	1000	ug/Kg
CE85703	\$8100SMR	Benzo(a)pyrene	CT / RSR GB (mg/kg) / Semivolatiles	2300	290	1000	1000	ug/Kg
CE85703	\$8100SMR	Benzo(k)fluoranthene	CT / RSR GB (mg/kg) / Semivolatiles	1200	290	1000	1000	ug/Kg
CE85707	\$8100SMR	Benzo(a)pyrene	CT / RSR DEC I/C (mg/kg) / Semivolatiles	1400	290	1000	1000	ug/Kg
CE85707	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR DEC RES (mg/kg) / APS Organics	1400	290	1000	1000	ug/Kg
CE85707	\$8100SMR	Benzo(b)fluoranthene	CT / RSR DEC RES (mg/kg) / Semivolatiles	1100	290	1000	1000	ug/Kg
CE85707	\$8100SMR	Benz(a)anthracene	CT / RSR DEC RES (mg/kg) / Semivolatiles	1100	290	1000	1000	ug/Kg
CE85707	\$8100SMR	Benzo(a)pyrene	CT / RSR DEC RES (mg/kg) / Semivolatiles	1400	290	1000	1000	ug/Kg
CE85707	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR GA,GAA (mg/kg) / APS Organics	1400	290	1000	1000	ug/Kg
CE85707	\$8100SMR	Chrysene	CT / RSR GA,GAA (mg/kg) / APS Organics	1200	290	1000	1000	ug/Kg
CE85707	\$8100SMR	Benzo(ghi)perylene	CT / RSR GA,GAA (mg/kg) / APS Organics	1200	290	1000	1000	ug/Kg
CE85707	\$8100SMR	Benzo(b)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	1100	290	1000	1000	ug/Kg
CE85707	\$8100SMR	Benzo(a)pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	1400	290	1000	1000	ug/Kg
CE85707	\$8100SMR	Benz(a)anthracene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	1100	290	1000	1000	ug/Kg
CE85707	\$8100SMR	Benzo(ghi)perylene	CT / RSR GB (mg/kg) / APS Organics	1200	290	1000	1000	ug/Kg
CE85707	\$8100SMR	Chrysene	CT / RSR GB (mg/kg) / APS Organics	1200	290	1000	1000	ug/Kg
CE85707	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR GB (mg/kg) / APS Organics	1400	290	1000	1000	ug/Kg
CE85707	\$8100SMR	Benzo(b)fluoranthene	CT / RSR GB (mg/kg) / Semivolatiles	1100	290	1000	1000	ug/Kg
CE85707	\$8100SMR	Benz(a)anthracene	CT / RSR GB (mg/kg) / Semivolatiles	1100	290	1000	1000	ug/Kg
CE85707	\$8100SMR	Benzo(a)pyrene	CT / RSR GB (mg/kg) / Semivolatiles	1400	290	1000	1000	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedances. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedance information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc.

Client: Tighe & Bond

Project Location: FAIRFIELD-MILL HILL ELEMENTAR

Project Number:

Laboratory Sample ID(s): CE85692-CE85694,

Sampling Date(s): 12/11/2019

CE85696, CE85698, CE85700, CE85701, CE85703, CE85705, CE85707

List RCP Methods Used (e.g., 8260, 8270, et cetera) 8270

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
1B	<u>VPH and EPH methods only:</u> Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? See Section: SVOA Narration.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

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.

Authorized Signature:

Position: Assistant Lab Director

Printed Name: Greg Lawrence

Date: Monday, December 30, 2019

Name of Laboratory Phoenix Environmental Labs, Inc.

This certification form is to be used for RCP methods only.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

December 30, 2019

SDG I.D.: GCE85692

SDG Comments

8270 Semi-volatile Organics:

The client requested a short list for 8270 RCP Semivolatile. Only the PAH constituents are reported as requested on the chain-of-custody.

SPLP PAH - CE85692, CE85701

The SPLP PAH extraction was requested one day past the holding time. A low bias is possible.

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 509991 (Samples: CE85692, CE85693, CE85694, CE85696, CE85698, CE85700, CE85701, CE85703, CE85705, CE85707): -----

The LCS/LCSD recovery is acceptable. One analyte and one surrogate in the site specific matrix spike recovery is below the lower range but within the method criteria. A slight low bias is possible. (Naphthalene, % Nitrobenzene-d5)

The MS/MSD RPD exceeds the method criteria for one or more analytes, therefore there may be variability in the reported result. (Benz(a)anthracene, Benzo(a)pyrene, Chrysene, Fluoranthene, Phenanthrene, Pyrene)

Instrument:

CHEM05 12/13/19-1

Wes Bryon, Chemist 12/13/19

CE85692, CE85700, CE85701

For 8270 full list, the DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.

For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

Initial Calibration Evaluation (CHEM05/5_SPLIT_1115):

100% of target compounds met criteria.

The following compounds had %RSDs >20%: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM05/1213_03-5_SPLIT_1115):

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

100% of target compounds met criteria.

The following compounds did not meet % deviation criteria: None.

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet minimum response factors: None.

CHEM06 12/12/19-1

Wes Bryon, Chemist 12/12/19

CE85692, CE85693, CE85696, CE85698, CE85700, CE85701, CE85703, CE85705, CE85707

For 8270 full list, the DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.

For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

Initial Calibration Evaluation (CHEM06/6_BN_1203):

100% of target compounds met criteria.

The following compounds had %RSDs >20%: None.



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Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

December 30, 2019

SDG I.D.: GCE85692

SVOA Narration

The following compounds did not meet recommended response factors: None.
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM06/1212_03-6_BN_1203):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
100% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

CHEM07 12/13/19-1 Wes Bryon, Chemist 12/13/19
CE85694

For 8270 full list, the DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.
For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

Initial Calibration Evaluation (CHEM07/7_SPLIT_1203):
100% of target compounds met criteria.
The following compounds had %RSDs >20%: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM07/1213_03-7_SPLIT_1203):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
100% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

CHEM28 12/16/19-1 Matt Richard, Chemist 12/16/19
CE85694

For 8270 full list, the DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.
For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

Initial Calibration Evaluation (CHEM28/28_BN_1206):
100% of target compounds met criteria.
The following compounds had %RSDs >20%: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM28/1216_04-28_BN_1206):
Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.
100% of target compounds met criteria.
The following compounds did not meet % deviation criteria: None.
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

December 30, 2019

SDG I.D.: GCE85692

SVOA Narration

QC (Batch Specific):

Batch 511948 (CE85692)

CE85692, CE85701

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QC (Site Specific):

Batch 509991 (CE85705)

CE85692, CE85693, CE85694, CE85696, CE85698, CE85700, CE85701, CE85703, CE85705, CE85707

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 30 - 130 with the following exceptions: % Nitrobenzene-d5(29%), Naphthalene(29%)

All MSD recoveries were within 30 - 130 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: Benz(a)anthracene(36.9%), Benzo(a)pyrene(32.6%), Chrysene(36.9%), Fluoranthene(47.0%), Phenanthrene(42.5%), Pyrene(46.8%)

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

SVOASIM Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

CHEM25 12/27/19-1

Wes Bryon, Chemist 12/27/19

CE85692, CE85701

For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

Initial Calibration Evaluation (CHEM25/25_BNSIM18_1118):

100% of target compounds met criteria.

The following compounds had %RSDs >20%: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM25/1227_03-25_BNSIM18_1118):

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

95% of target compounds met criteria.

The following compounds did not meet % deviation criteria: None.

The following compounds did not meet maximum % deviations: None.



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RCP Certification Report

December 30, 2019

SDG I.D.: GCE85692

SVOASIM Narration

The following compounds did not meet recommended response factors: None.
The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 511948 (CE85692)

CE85692, CE85701

All LCS recoveries were within 30 - 130 with the following exceptions: None.
All LCSD recoveries were within 30 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 20% with the following exceptions: None.
Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QC (Site Specific):

Batch 509991 (CE85705)

CE85692, CE85693, CE85694, CE85696, CE85698, CE85700, CE85701, CE85703, CE85705, CE85707

All LCS recoveries were within 30 - 130 with the following exceptions: None.
All LCSD recoveries were within 30 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
All MS recoveries were within 30 - 130 with the following exceptions: % Nitrobenzene-d5(29%), Naphthalene(29%)
All MSD recoveries were within 30 - 130 with the following exceptions: None.
All MS/MSD RPDs were less than 30% with the following exceptions: Benz(a)anthracene(36.9%), Benzo(a)pyrene(32.6%), Chrysene(36.9%), Fluoranthene(47.0%), Phenanthrene(42.5%), Pyrene(46.8%)
A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.
Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

Temperature Narration

The samples were received at 1.6°C with cooling initiated.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Cooler: Yes ☐ No ☒
Coolant: IPK ☒ JCE ☐ No ☐
Temp: 10°C Pg 1 of 2

Data Delivery/Contact Options:

Fax: ☐
Phone: ☐
Email: ☒ on file

Customer: Tighe & Bond
Address: 1000 Bridgeport Ave.
Shelton, CT

Project: Fairfield - Mill Hill Elementary School
Report to: J. Olsen, B. Stronach, B. Gaulzetti, & J. Libby
Invoice to: Westfield Office
QUOTE # DAS Rates

Project P.O.: 150439-027

This section MUST be completed with Bottle Quantities.

Client Sample Information - Identification
Signature:
Date: 12/1/19

Matrix Code: WW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe Oil=L=Liquid
B=Bulk

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
85692	MH-1 (0.5'-1')	soil	12/1/2019	10:00
85693	MH-1 (1'-1.5')	soil	12/1/2019	10:05
85694	MH-1S (0-0.5')	soil	12/1/2019	10:10
85695	MH-1S (1'-1.5')	soil	12/1/2019	10:15
85696	MH-1N (0-0.5')	soil	12/1/2019	10:20
85697	MH-1N (1'-1.5')	soil	12/1/2019	10:25
85698	MH-1E (0-0.5')	soil	12/1/2019	10:30
85699	MH-1E (1'-1.5')	soil	12/1/2019	10:35
85700	MH-2 (0.5'-1')	soil	12/1/2019	10:40
85701	MH-2 (1'-1.5')	soil	12/1/2019	10:45
85702	MH-2 (2'-2.5')	soil	12/1/2019	10:50

Analysis Request	PAHs	GL Amber 3 oz. WHSPK	GL Soil container (8 oz. methanol)	GL Amber 1000ml	PL As is	PL H2SO4	PL HNO3	PL NaOH	Bacteria Bottle with 100ml	Bacteria Bottle with 250ml
	X									
	X									
	X									
	Hold									
	X									
	Hold									
	X									
	Hold									
	X									
	Hold									
	X									
	Hold									

Relinquished by:	Accepted by:	Date: 12/1/19	Time: 7:00am
Comments, Special Requirements or Regulations:		RI: <input type="checkbox"/> Direct Exposure (Residential) <input type="checkbox"/> GW <input type="checkbox"/> Other	MA: <input type="checkbox"/> MCP Certification <input type="checkbox"/> GW-1 <input type="checkbox"/> GW-2 <input type="checkbox"/> GW-3 <input type="checkbox"/> S-1 <input type="checkbox"/> S-2 <input type="checkbox"/> S-3 <input type="checkbox"/> MWRA eSMART <input type="checkbox"/> Other
DAS Rates		CT: <input type="checkbox"/> RCP Cert <input type="checkbox"/> GW Protection <input type="checkbox"/> SW Protection <input type="checkbox"/> GA Mobility <input type="checkbox"/> GB Mobility <input type="checkbox"/> Residential DEC <input type="checkbox"/> I/C DEC <input type="checkbox"/> Other	Data Format: <input checked="" type="checkbox"/> Excel <input type="checkbox"/> PDF <input type="checkbox"/> GIS/Key <input type="checkbox"/> EQUIS <input type="checkbox"/> Other
		Turnaround: <input type="checkbox"/> 1 Day* <input type="checkbox"/> 2 Days* <input type="checkbox"/> 3 Days* <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Other	Data Package: <input type="checkbox"/> Tier II Checklist <input type="checkbox"/> Full Data Package* <input type="checkbox"/> Phoenix Std Report <input type="checkbox"/> Other
		State where samples were collected: CT	
		* SURCHARGE APPLIES	

Makrina Nolan

Subject: GCE85692

From: Ian Adomeit [<mailto:IAdomeit@TigheBond.com>]
Sent: Thursday, December 26, 2019 1:34 PM
To: Makrina Nolan
Cc: Brian Sirowich
Subject: RE: PAH SPLP Request

Yes, I confirm for that. I believe only the first data group is out of hold for SPLP PAHs. The second data group should be good.

Ian Adomeit | Staff Engineer

Tighe & Bond | 213 Court Street, Suite 1100 | Middletown, CT 06457 | T. 860.852.5236
www.tighebond.com | Follow us on: [Twitter](#) [Facebook](#) [LinkedIn](#)


From: Makrina Nolan <Makrina@phoenixlabs.com>
Sent: Thursday, December 26, 2019 1:32 PM
To: Ian Adomeit <IAdomeit@TigheBond.com>
Cc: Brian Sirowich <BSirowich@TigheBond.com>
Subject: RE: PAH SPLP Request

No problem.

Can you please confirm that you would like these added even though they are out of hold for SPLP PAHs?

Thank you,
Makrina

From: Ian Adomeit [<mailto:IAdomeit@TigheBond.com>]
Sent: Thursday, December 26, 2019 12:03 PM
To: Makrina Nolan
Cc: Brian Sirowich
Subject: PAH SPLP Request

Hi Makrina,

Can you please run the following samples on a 24-hour turnaround for SPLP. Please note these samples are from two different data groups.

First data group:

SDG: GCE85692
Sample IDs: CE85692, CE85701

Second data group:

SDG: GCE87288
Sample IDs: CE87324, CE87334, CE87339, CE87344, CE87350, CE87353

Please report to bsirowich@tighebond.com and me.

Thanks,

Ian

Ian Adomeit | Staff Engineer

Tighe & Bond | 213 Court Street, Suite 1100 | Middletown, CT 06457 | T. 860.852.5236
www.tighebond.com | Follow us on: [Twitter](#) [Facebook](#) [LinkedIn](#)

Tighe&Bond

From: Makrina Nolan <Makrina@phoenixlabs.com>
Sent: Thursday, December 26, 2019 10:55 AM
To: Ian Adomeit <IAdomeit@TigheBond.com>
Subject: RE: Time Sensitive: GCE87288 Results

No problem!

From: Ian Adomeit [<mailto:IAdomeit@TigheBond.com>]
Sent: Thursday, December 26, 2019 10:50 AM
To: Makrina Nolan
Subject: RE: Time Sensitive: GCE87288 Results

THANK YOU!!!!!! I will be getting back to you shortly with which of these samples to run for PAH SPLP on 24 hour turnaround.

Thanks,

Ian

Ian Adomeit | Staff Engineer

Tighe & Bond | 213 Court Street, Suite 1100 | Middletown, CT 06457 | T. 860.852.5236
www.tighebond.com | Follow us on: [Twitter](#) [Facebook](#) [LinkedIn](#)

Tighe&Bond

From: Makrina Nolan <Makrina@phoenixlabs.com>
Sent: Thursday, December 26, 2019 10:45 AM
To: Ian Adomeit <IAdomeit@TigheBond.com>
Subject: RE: Time Sensitive: GCE87288 Results

Hi Ian,

It looks like this report has just been released, I have attached it for your convenience.

Thank you,
Makrina

From: Ian Adomeit [<mailto:IAdomeit@TigheBond.com>]
Sent: Thursday, December 26, 2019 9:47 AM

To: Makrina Nolan
Subject: RE: Time Sensitive: GCE87288 Results

Thank you, much appreciated.

My phone number is 860 852 5236 if you need to reach me.

Ian Adomeit | Staff Engineer

Tighe & Bond | 213 Court Street, Suite 1100 | Middletown, CT 06457 | T. 860.852.5236
www.tighebond.com | Follow us on: [Twitter](#) [Facebook](#) [LinkedIn](#)



From: Makrina Nolan <Makrina@phoenixlabs.com>
Sent: Thursday, December 26, 2019 9:46 AM
To: Ian Adomeit <IAdomeit@TigheBond.com>
Subject: RE: Time Sensitive: GCE87288 Results

[Caution - External Sender]

Hi Ian,

I will need to ask my boss about these results and get back to you. I will get back to you as soon as I hear back from her.

Thank you,
Makrina

From: Ian Adomeit [<mailto:IAdomeit@TigheBond.com>]
Sent: Thursday, December 26, 2019 8:53 AM
To: Makrina Nolan
Subject: Time Sensitive: GCE87288 Results

Hi Makrina,

I am looking for the results for SDG GCE87288 but they are unavailable on the Phoenix Environmental portal. Can you send them over to me ASAP please? We are looking to run PAH SPLP on some of the samples in this data group and need to have them run today since they were collected 14 days ago.

Thanks,

Ian

Ian Adomeit | Staff Engineer

Tighe & Bond | 213 Court Street, Suite 1100 | Middletown, CT 06457 | T. 860.852.5236
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Monday, July 19, 2021

Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Project ID: MILL HILL ELEM SCHOOL
SDG ID: GCI66823
Sample ID#s: CI66823 - CI66845

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



SDG Comments

July 19, 2021

SDG I.D.: GCI66823

Version 2: Per client request additional analyses were added on.



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

Sample Id Cross Reference

July 19, 2021

SDG I.D.: GCI66823

Project ID: MILL HILL ELEM SCHOOL

Client Id	Lab Id	Matrix
MHS 401 (1.5)	CI66823	SOIL
MHB 402 (3)	CI66824	SOIL
MHS 403 (1)	CI66825	SOIL
MHS 404 (1.5)	CI66826	SOIL
MHB 405 (3)	CI66827	SOIL
MHS 406 (1.5)	CI66828	SOIL
MHS 407 (1.5)	CI66829	SOIL
MHB 408 (3)	CI66830	SOIL
MHS 409 (1.5)	CI66831	SOIL
MHS 410 (1.5)	CI66832	SOIL
MHB 411 (3)	CI66833	SOIL
MHB 411D (3)	CI66834	SOIL
MHS 412 (1.5)	CI66835	SOIL
MHS 413 (1.5)	CI66836	SOIL
MHB 414 (2`)	CI66837	SOIL
MHS 415 (0.5)	CI66838	SOIL
MHS 416 (1)	CI66839	SOIL
MHB 417 (1)	CI66840	SOIL
MHS 418 (0.5)	CI66841	SOIL
MHB 419 (1`)	CI66842	SOIL
MHS 420 (0.5)	CI66843	SOIL
MHB 421 (1)	CI66844	SOIL
MHS 422 (0.5)	CI66845	SOIL



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Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/01/21 10:00
07/01/21 17:35

Time

Laboratory Data

SDG ID: GCI66823
Phoenix ID: CI66823

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 401 (1.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	5.40	0.64	mg/Kg	1	07/09/21	TH	SW6010D
Lead	3.57	0.32	mg/Kg	1	07/09/21	TH	SW6010D
SPLP Arsenic	< 0.004	0.004	mg/L	1	07/14/21	CPP	SW6010D
SPLP Metals Digestion	Completed				07/14/21	AB/AB	SW3010A
Percent Solid	97		%		07/01/21	AR	SW846-%Solid
Extraction of ETPH	Completed				07/01/21	I	SW3546
Soil Extraction for Pesticide	Completed				07/02/21	L/K	SW3546
Soil Extraction for SVOA PAH	Completed				07/01/21	R/Z	SW3546
Extraction for PCB	Completed				07/01/21	S/KL/AR	SW3540C
SPLP Extraction for Metals	Completed				07/13/21	AB	SW1312
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	51	mg/Kg	1	07/02/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/02/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	47		%	1	07/02/21	JRB	50 - 150 %
% Terphenyl (surr)	111		%	1	07/02/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	170	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1221	ND	170	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1232	ND	170	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1242	ND	170	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1248	ND	170	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1254	ND	170	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1260	ND	170	ug/Kg	5	07/02/21	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1262	ND	170	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1268	ND	170	ug/Kg	5	07/02/21	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	104		%	5	07/02/21	SC	30 - 150 %
% DCBP (Confirmation)	94		%	5	07/02/21	SC	30 - 150 %
% TCMX	81		%	5	07/02/21	SC	30 - 150 %
% TCMX (Confirmation)	85		%	5	07/02/21	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.4	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDE	ND	1.4	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDT	ND	1.4	ug/Kg	2	07/06/21	CG	SW8081B
a-BHC	ND	1.4	ug/Kg	2	07/06/21	CG	SW8081B
Alachlor	ND	6.8	ug/Kg	2	07/06/21	CG	SW8081B
Aldrin	ND	1.4	ug/Kg	2	07/06/21	CG	SW8081B
b-BHC	ND	1.4	ug/Kg	2	07/06/21	CG	SW8081B
Chlordane	ND	34	ug/Kg	2	07/06/21	CG	SW8081B
d-BHC	ND	1.4	ug/Kg	2	07/06/21	CG	SW8081B
Dieldrin	ND	3.4	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan I	ND	6.8	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan II	ND	6.8	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan sulfate	ND	6.8	ug/Kg	2	07/06/21	CG	SW8081B
Endrin	ND	6.8	ug/Kg	2	07/06/21	CG	SW8081B
Endrin aldehyde	ND	6.8	ug/Kg	2	07/06/21	CG	SW8081B
Endrin ketone	ND	6.8	ug/Kg	2	07/06/21	CG	SW8081B
g-BHC	ND	1.4	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor	ND	6.8	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor epoxide	ND	6.8	ug/Kg	2	07/06/21	CG	SW8081B
Methoxychlor	ND	34	ug/Kg	2	07/06/21	CG	SW8081B
Toxaphene	ND	140	ug/Kg	2	07/06/21	CG	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	83		%	2	07/06/21	CG	30 - 150 %
% DCBP (Confirmation)	83		%	2	07/06/21	CG	30 - 150 %
% TCMX	76		%	2	07/06/21	CG	30 - 150 %
% TCMX (Confirmation)	75		%	2	07/06/21	CG	30 - 150 %
<u>Polynuclear Aromatic HC</u>							
2-Methylnaphthalene	ND	230	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthene	ND	230	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthylene	ND	230	ug/Kg	1	07/02/21	WB	SW8270D
Anthracene	ND	230	ug/Kg	1	07/02/21	WB	SW8270D
Benz(a)anthracene	ND	230	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(a)pyrene	ND	230	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(b)fluoranthene	ND	230	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(ghi)perylene	ND	230	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(k)fluoranthene	ND	230	ug/Kg	1	07/02/21	WB	SW8270D
Chrysene	ND	230	ug/Kg	1	07/02/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	230	ug/Kg	1	07/02/21	WB	SW8270D
Fluoranthene	ND	230	ug/Kg	1	07/02/21	WB	SW8270D
Fluorene	ND	230	ug/Kg	1	07/02/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Indeno(1,2,3-cd)pyrene	ND	230	ug/Kg	1	07/02/21	WB	SW8270D
Naphthalene	ND	230	ug/Kg	1	07/02/21	WB	SW8270D
Phenanthrene	ND	230	ug/Kg	1	07/02/21	WB	SW8270D
Pyrene	ND	230	ug/Kg	1	07/02/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	81		%	1	07/02/21	WB	30 - 130 %
% Nitrobenzene-d5	77		%	1	07/02/21	WB	30 - 130 %
% Terphenyl-d14	80		%	1	07/02/21	WB	30 - 130 %

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/01/21 10:05
07/01/21 17:35

Time

Laboratory Data

SDG ID: GCI66823
Phoenix ID: CI66824

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHB 402 (3)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	5.09	0.80	mg/Kg	1	07/09/21	TH	SW6010D
Lead	14.0	0.40	mg/Kg	1	07/09/21	TH	SW6010D
Percent Solid	83		%		07/01/21	AR	SW846-%Solid
Extraction of ETPH	Completed				07/02/21	I/Z	SW3546
Soil Extraction for Pesticide	Completed				07/02/21	L/K	SW3546
Soil Extraction for SVOA PAH	Completed				07/01/21	R/Z	SW3546
Extraction for PCB	Completed				07/01/21	S/KL/AR	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	59	mg/Kg	1	07/03/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/03/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	109		%	1	07/03/21	JRB	50 - 150 %
% Terphenyl (surr)	97		%	1	07/03/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1221	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1232	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1242	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1248	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1254	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1260	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1262	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1268	ND	200	ug/Kg	5	07/02/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	104		%	5	07/02/21	SC	30 - 150 %
% DCBP (Confirmation)	90		%	5	07/02/21	SC	30 - 150 %
% TCMX	82		%	5	07/02/21	SC	30 - 150 %
% TCMX (Confirmation)	83		%	5	07/02/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDE	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDT	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
a-BHC	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
Alachlor	ND	7.9	ug/Kg	2	07/06/21	CG	SW8081B
Aldrin	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
b-BHC	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
Chlordane	ND	40	ug/Kg	2	07/06/21	CG	SW8081B
d-BHC	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
Dieldrin	ND	4.0	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan I	ND	7.9	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan II	ND	7.9	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan sulfate	ND	7.9	ug/Kg	2	07/06/21	CG	SW8081B
Endrin	ND	7.9	ug/Kg	2	07/06/21	CG	SW8081B
Endrin aldehyde	ND	7.9	ug/Kg	2	07/06/21	CG	SW8081B
Endrin ketone	ND	7.9	ug/Kg	2	07/06/21	CG	SW8081B
g-BHC	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor	ND	7.9	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor epoxide	ND	7.9	ug/Kg	2	07/06/21	CG	SW8081B
Methoxychlor	ND	40	ug/Kg	2	07/06/21	CG	SW8081B
Toxaphene	ND	160	ug/Kg	2	07/06/21	CG	SW8081B

QA/QC Surrogates

% DCBP	75		%	2	07/06/21	CG	30 - 150 %
% DCBP (Confirmation)	81		%	2	07/06/21	CG	30 - 150 %
% TCMX	72		%	2	07/06/21	CG	30 - 150 %
% TCMX (Confirmation)	76		%	2	07/06/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthylene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Anthracene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Benz(a)anthracene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(a)pyrene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(b)fluoranthene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(ghi)perylene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(k)fluoranthene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Chrysene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Fluoranthene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Fluorene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Naphthalene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Phenanthrene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	92		%	1	07/02/21	WB	30 - 130 %
% Nitrobenzene-d5	89		%	1	07/02/21	WB	30 - 130 %
% Terphenyl-d14	82		%	1	07/02/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date Time

07/01/21 10:10
07/01/21 17:35

Laboratory Data

SDG ID: GCI66823
Phoenix ID: CI66825

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 403 (1)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	3.66	0.77	mg/Kg	1	07/09/21	TH	SW6010D
Lead	10.2	0.39	mg/Kg	1	07/09/21	TH	SW6010D
Percent Solid	90		%		07/01/21	AR	SW846-%Solid
Extraction of ETPH	Completed				07/02/21	I/Z	SW3546
Soil Extraction for Pesticide	Completed				07/02/21	L/K	SW3546
Soil Extraction for SVOA PAH	Completed				07/01/21	R/Z	SW3546
Extraction for PCB	Completed				07/01/21	S/KL/AR	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	280	mg/Kg	5	07/06/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	5	07/06/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	89		%	5	07/06/21	JRB	50 - 150 %
% Terphenyl (surr)	90		%	5	07/06/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1221	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1232	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1242	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1248	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1254	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1260	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1262	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1268	ND	180	ug/Kg	5	07/02/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	109		%	5	07/02/21	SC	30 - 150 %
% DCBP (Confirmation)	92		%	5	07/02/21	SC	30 - 150 %
% TCMX	86		%	5	07/02/21	SC	30 - 150 %
% TCMX (Confirmation)	87		%	5	07/02/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDE	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDT	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
a-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Alachlor	ND	7.3	ug/Kg	2	07/07/21	CG	SW8081B
Aldrin	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
b-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Chlordane	ND	37	ug/Kg	2	07/07/21	CG	SW8081B
d-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Dieldrin	ND	3.7	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan I	ND	7.3	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan II	ND	7.3	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan sulfate	ND	7.3	ug/Kg	2	07/07/21	CG	SW8081B
Endrin	ND	7.3	ug/Kg	2	07/07/21	CG	SW8081B
Endrin aldehyde	ND	7.3	ug/Kg	2	07/07/21	CG	SW8081B
Endrin ketone	ND	7.3	ug/Kg	2	07/07/21	CG	SW8081B
g-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor	ND	7.3	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor epoxide	ND	7.3	ug/Kg	2	07/07/21	CG	SW8081B
Methoxychlor	ND	37	ug/Kg	2	07/07/21	CG	SW8081B
Toxaphene	ND	150	ug/Kg	2	07/07/21	CG	SW8081B

QA/QC Surrogates

% DCBP	67		%	2	07/07/21	CG	30 - 150 %
% DCBP (Confirmation)	68		%	2	07/07/21	CG	30 - 150 %
% TCMX	69		%	2	07/07/21	CG	30 - 150 %
% TCMX (Confirmation)	67		%	2	07/07/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthylene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Anthracene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Benz(a)anthracene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(a)pyrene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(b)fluoranthene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(ghi)perylene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(k)fluoranthene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Chrysene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Fluoranthene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Fluorene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Naphthalene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Phenanthrene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	80		%	1	07/02/21	WB	30 - 130 %
% Nitrobenzene-d5	82		%	1	07/02/21	WB	30 - 130 %
% Terphenyl-d14	70		%	1	07/02/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/01/21
07/01/21

Time

10:15
17:35

Laboratory Data

SDG ID: GCI66823
Phoenix ID: CI66826

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 404 (1.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	4.53	0.74	mg/Kg	1	07/09/21	TH	SW6010D
Lead	10.3	0.37	mg/Kg	1	07/09/21	TH	SW6010D
Percent Solid	91		%		07/01/21	AR	SW846-%Solid
Extraction of ETPH	Completed				07/02/21	I/Z	SW3546
Soil Extraction for Pesticide	Completed				07/02/21	L/K	SW3546
Soil Extraction for SVOA PAH	Completed				07/01/21	R/Z	SW3546
Extraction for PCB	Completed				07/01/21	S/KL/AR	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	55	mg/Kg	1	07/03/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/03/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	106		%	1	07/03/21	JRB	50 - 150 %
% Terphenyl (surr)	95		%	1	07/03/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1221	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1232	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1242	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1248	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1254	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1260	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1262	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1268	ND	180	ug/Kg	5	07/02/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	82		%	5	07/02/21	SC	30 - 150 %
% DCBP (Confirmation)	93		%	5	07/02/21	SC	30 - 150 %
% TCMX	74		%	5	07/02/21	SC	30 - 150 %
% TCMX (Confirmation)	87		%	5	07/02/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.4	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDE	ND	1.4	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDT	ND	1.4	ug/Kg	2	07/07/21	CG	SW8081B
a-BHC	ND	1.4	ug/Kg	2	07/07/21	CG	SW8081B
Alachlor	ND	7.1	ug/Kg	2	07/07/21	CG	SW8081B
Aldrin	ND	1.4	ug/Kg	2	07/07/21	CG	SW8081B
b-BHC	ND	1.4	ug/Kg	2	07/07/21	CG	SW8081B
Chlordane	ND	36	ug/Kg	2	07/07/21	CG	SW8081B
d-BHC	ND	1.4	ug/Kg	2	07/07/21	CG	SW8081B
Dieldrin	ND	3.6	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan I	ND	7.1	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan II	ND	7.1	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan sulfate	ND	7.1	ug/Kg	2	07/07/21	CG	SW8081B
Endrin	ND	7.1	ug/Kg	2	07/07/21	CG	SW8081B
Endrin aldehyde	ND	7.1	ug/Kg	2	07/07/21	CG	SW8081B
Endrin ketone	ND	7.1	ug/Kg	2	07/07/21	CG	SW8081B
g-BHC	ND	1.4	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor	ND	7.1	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor epoxide	ND	7.1	ug/Kg	2	07/07/21	CG	SW8081B
Methoxychlor	ND	36	ug/Kg	2	07/07/21	CG	SW8081B
Toxaphene	ND	140	ug/Kg	2	07/07/21	CG	SW8081B

QA/QC Surrogates

% DCBP	75		%	2	07/07/21	CG	30 - 150 %
% DCBP (Confirmation)	78		%	2	07/07/21	CG	30 - 150 %
% TCMX	74		%	2	07/07/21	CG	30 - 150 %
% TCMX (Confirmation)	74		%	2	07/07/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Anthracene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benz(a)anthracene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(a)pyrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(k)fluoranthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Chrysene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Fluoranthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Fluorene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Naphthalene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Phenanthrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	87		%	1	07/02/21	WB	30 - 130 %
% Nitrobenzene-d5	80		%	1	07/02/21	WB	30 - 130 %
% Terphenyl-d14	75		%	1	07/02/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/01/21 10:20
07/01/21 17:35

Time

Laboratory Data

SDG ID: GCI66823
Phoenix ID: CI66827

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHB 405 (3)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	3.27	0.70	mg/Kg	1	07/09/21	TH	SW6010D
Lead	6.12	0.35	mg/Kg	1	07/09/21	TH	SW6010D
Percent Solid	91		%		07/01/21	AR	SW846-%Solid
Extraction of ETPH	Completed				07/02/21	I/Z	SW3546
Soil Extraction for Pesticide	Completed				07/02/21	L/K	SW3546
Soil Extraction for SVOA PAH	Completed				07/01/21	R/Z	SW3546
Extraction for PCB	Completed				07/01/21	S/KL/AR	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	54	mg/Kg	1	07/03/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/03/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	109		%	1	07/03/21	JRB	50 - 150 %
% Terphenyl (surr)	95		%	1	07/03/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1221	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1232	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1242	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1248	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1254	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1260	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1262	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1268	ND	180	ug/Kg	5	07/02/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	112		%	5	07/02/21	SC	30 - 150 %
% DCBP (Confirmation)	95		%	5	07/02/21	SC	30 - 150 %
% TCMX	85		%	5	07/02/21	SC	30 - 150 %
% TCMX (Confirmation)	87		%	5	07/02/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.4	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDE	ND	1.4	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDT	ND	1.4	ug/Kg	2	07/07/21	CG	SW8081B
a-BHC	ND	1.4	ug/Kg	2	07/07/21	CG	SW8081B
Alachlor	ND	7.1	ug/Kg	2	07/07/21	CG	SW8081B
Aldrin	ND	1.4	ug/Kg	2	07/07/21	CG	SW8081B
b-BHC	ND	1.4	ug/Kg	2	07/07/21	CG	SW8081B
Chlordane	ND	36	ug/Kg	2	07/07/21	CG	SW8081B
d-BHC	ND	1.4	ug/Kg	2	07/07/21	CG	SW8081B
Dieldrin	ND	3.6	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan I	ND	7.1	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan II	ND	7.1	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan sulfate	ND	7.1	ug/Kg	2	07/07/21	CG	SW8081B
Endrin	ND	7.1	ug/Kg	2	07/07/21	CG	SW8081B
Endrin aldehyde	ND	7.1	ug/Kg	2	07/07/21	CG	SW8081B
Endrin ketone	ND	7.1	ug/Kg	2	07/07/21	CG	SW8081B
g-BHC	ND	1.4	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor	ND	7.1	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor epoxide	ND	7.1	ug/Kg	2	07/07/21	CG	SW8081B
Methoxychlor	ND	36	ug/Kg	2	07/07/21	CG	SW8081B
Toxaphene	ND	140	ug/Kg	2	07/07/21	CG	SW8081B

QA/QC Surrogates

% DCBP	70		%	2	07/07/21	CG	30 - 150 %
% DCBP (Confirmation)	70		%	2	07/07/21	CG	30 - 150 %
% TCMX	74		%	2	07/07/21	CG	30 - 150 %
% TCMX (Confirmation)	71		%	2	07/07/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthylene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Anthracene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Benz(a)anthracene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(a)pyrene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(b)fluoranthene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(ghi)perylene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(k)fluoranthene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Chrysene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Fluoranthene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Fluorene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Naphthalene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
Phenanthrene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	ND	250	ug/Kg	1	07/02/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	90		%	1	07/02/21	WB	30 - 130 %
% Nitrobenzene-d5	84		%	1	07/02/21	WB	30 - 130 %
% Terphenyl-d14	82		%	1	07/02/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/01/21

Time

10:25

07/01/21

17:35

Laboratory Data

SDG ID: GCI66823
Phoenix ID: CI66828

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 406 (1.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	4.19	0.77	mg/Kg	1	07/10/21	CPP	SW6010D
Lead	17.6	0.39	mg/Kg	1	07/10/21	CPP	SW6010D
Percent Solid	84		%		07/01/21	AR	SW846-%Solid
Extraction of ETPH	Completed				07/02/21	I/Z	SW3546
Soil Extraction for Pesticide	Completed				07/01/21	L/K	SW3546
Soil Extraction for SVOA PAH	Completed				07/01/21	R/Z	SW3546
Extraction for PCB	Completed				07/01/21	S/KL/AR	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	59	mg/Kg	1	07/03/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/03/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	130		%	1	07/03/21	JRB	50 - 150 %
% Terphenyl (surr)	133		%	1	07/03/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1221	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1232	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1242	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1248	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1254	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1260	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1262	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1268	ND	200	ug/Kg	5	07/02/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	95		%	5	07/02/21	SC	30 - 150 %
% DCBP (Confirmation)	81		%	5	07/02/21	SC	30 - 150 %
% TCMX	74		%	5	07/02/21	SC	30 - 150 %
% TCMX (Confirmation)	75		%	5	07/02/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDE	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDT	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
a-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Alachlor	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Aldrin	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
b-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Chlordane	ND	39	ug/Kg	2	07/07/21	CG	SW8081B
d-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Dieldrin	ND	3.9	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan I	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan II	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan sulfate	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Endrin	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Endrin aldehyde	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Endrin ketone	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
g-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor epoxide	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Methoxychlor	ND	39	ug/Kg	2	07/07/21	CG	SW8081B
Toxaphene	ND	160	ug/Kg	2	07/07/21	CG	SW8081B

QA/QC Surrogates

% DCBP	70		%	2	07/07/21	CG	30 - 150 %
% DCBP (Confirmation)	69		%	2	07/07/21	CG	30 - 150 %
% TCMX	67		%	2	07/07/21	CG	30 - 150 %
% TCMX (Confirmation)	64		%	2	07/07/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	270	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthene	ND	270	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	07/02/21	WB	SW8270D
Anthracene	ND	270	ug/Kg	1	07/02/21	WB	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	07/02/21	WB	SW8270D
Chrysene	ND	270	ug/Kg	1	07/02/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	07/02/21	WB	SW8270D
Fluoranthene	ND	270	ug/Kg	1	07/02/21	WB	SW8270D
Fluorene	ND	270	ug/Kg	1	07/02/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	07/02/21	WB	SW8270D
Naphthalene	ND	270	ug/Kg	1	07/02/21	WB	SW8270D
Phenanthrene	ND	270	ug/Kg	1	07/02/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	ND	270	ug/Kg	1	07/02/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	88		%	1	07/02/21	WB	30 - 130 %
% Nitrobenzene-d5	93		%	1	07/02/21	WB	30 - 130 %
% Terphenyl-d14	77		%	1	07/02/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/01/21 10:30
07/01/21 17:35

Time

Laboratory Data

SDG ID: GCI66823
Phoenix ID: CI66829

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 407 (1.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	5.75	0.78	mg/Kg	1	07/10/21	CPP	SW6010D
Lead	11.8	0.39	mg/Kg	1	07/10/21	CPP	SW6010D
SPLP Arsenic	< 0.004	0.004	mg/L	1	07/14/21	CPP	SW6010D
SPLP Metals Digestion	Completed				07/14/21	AB/AB	SW3010A
Percent Solid	83		%		07/01/21	AR	SW846-%Solid
Extraction of ETPH	Completed				07/02/21	I/Z	SW3546
Soil Extraction for Pesticide	Completed				07/02/21	L/K	SW3546
Soil Extraction for SVOA PAH	Completed				07/01/21	R/Z	SW3546
Extraction for PCB	Completed				07/01/21	S/KL/AR	SW3540C
SPLP Extraction for Metals	Completed				07/13/21	AB	SW1312
Total Metals Digest	Completed				07/02/21	M/AG	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	60	mg/Kg	1	07/03/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/03/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	104		%	1	07/03/21	JRB	50 - 150 %
% Terphenyl (surr)	99		%	1	07/03/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1221	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1232	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1242	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1248	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1254	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1260	ND	200	ug/Kg	5	07/02/21	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1262	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1268	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	97		%	5	07/02/21	SC	30 - 150 %
% DCBP (Confirmation)	91		%	5	07/02/21	SC	30 - 150 %
% TCMX	88		%	5	07/02/21	SC	30 - 150 %
% TCMX (Confirmation)	87		%	5	07/02/21	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDE	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDT	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
a-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Alachlor	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Aldrin	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
b-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Chlordane	ND	39	ug/Kg	2	07/07/21	CG	SW8081B
d-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Dieldrin	ND	3.9	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan I	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan II	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan sulfate	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Endrin	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Endrin aldehyde	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Endrin ketone	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
g-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor epoxide	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Methoxychlor	ND	39	ug/Kg	2	07/07/21	CG	SW8081B
Toxaphene	ND	160	ug/Kg	2	07/07/21	CG	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	69		%	2	07/07/21	CG	30 - 150 %
% DCBP (Confirmation)	71		%	2	07/07/21	CG	30 - 150 %
% TCMX	71		%	2	07/07/21	CG	30 - 150 %
% TCMX (Confirmation)	70		%	2	07/07/21	CG	30 - 150 %
<u>Polynuclear Aromatic HC</u>							
2-Methylnaphthalene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthylene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Anthracene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Benz(a)anthracene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(a)pyrene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(b)fluoranthene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(ghi)perylene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(k)fluoranthene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Chrysene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Fluoranthene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Fluorene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Naphthalene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Phenanthrene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Pyrene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	82		%	1	07/02/21	WB	30 - 130 %
% Nitrobenzene-d5	77		%	1	07/02/21	WB	30 - 130 %
% Terphenyl-d14	80		%	1	07/02/21	WB	30 - 130 %

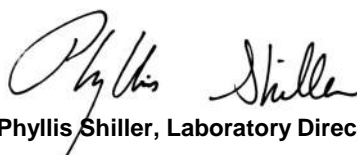
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/01/21 10:35
07/01/21 17:35

Time

Laboratory Data

SDG ID: GCI66823
Phoenix ID: CI66830

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHB 408 (3)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	2.73	0.71	mg/Kg	1	07/10/21	CPP	SW6010D
Lead	7.65	0.36	mg/Kg	1	07/10/21	CPP	SW6010D
Percent Solid	88		%		07/01/21	AR	SW846-%Solid
Extraction of ETPH	Completed				07/02/21	I/Z	SW3546
Soil Extraction for Pesticide	Completed				07/02/21	L/K	SW3546
Soil Extraction for SVOA PAH	Completed				07/01/21	R/Z	SW3546
Extraction for PCB	Completed				07/01/21	S/KL/AR	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	56	mg/Kg	1	07/03/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/03/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	71		%	1	07/03/21	JRB	50 - 150 %
% Terphenyl (surr)	79		%	1	07/03/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1221	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1232	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1242	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1248	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1254	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1260	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1262	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1268	ND	180	ug/Kg	5	07/02/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	75		%	5	07/02/21	SC	30 - 150 %
% DCBP (Confirmation)	86		%	5	07/02/21	SC	30 - 150 %
% TCMX	64		%	5	07/02/21	SC	30 - 150 %
% TCMX (Confirmation)	72		%	5	07/02/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDE	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDT	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
a-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Alachlor	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Aldrin	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
b-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Chlordane	ND	37	ug/Kg	2	07/07/21	CG	SW8081B
d-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Dieldrin	ND	3.7	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan I	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan II	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan sulfate	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Endrin	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Endrin aldehyde	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Endrin ketone	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
g-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor epoxide	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Methoxychlor	ND	37	ug/Kg	2	07/07/21	CG	SW8081B
Toxaphene	ND	150	ug/Kg	2	07/07/21	CG	SW8081B

QA/QC Surrogates

% DCBP	74		%	2	07/07/21	CG	30 - 150 %
% DCBP (Confirmation)	75		%	2	07/07/21	CG	30 - 150 %
% TCMX	69		%	2	07/07/21	CG	30 - 150 %
% TCMX (Confirmation)	66		%	2	07/07/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Anthracene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benz(a)anthracene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(a)pyrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(k)fluoranthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Chrysene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Fluoranthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Fluorene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Naphthalene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Phenanthrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	86		%	1	07/02/21	WB	30 - 130 %
% Nitrobenzene-d5	91		%	1	07/02/21	WB	30 - 130 %
% Terphenyl-d14	80		%	1	07/02/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/01/21 10:40
07/01/21 17:35

Time

Laboratory Data

SDG ID: GCI66823
Phoenix ID: CI66831

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 409 (1.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	4.38	0.73	mg/Kg	1	07/10/21	CPP	SW6010D
Lead	17.6	0.37	mg/Kg	1	07/10/21	CPP	SW6010D
Percent Solid	81		%		07/01/21	AR	SW846-%Solid
Extraction of ETPH	Completed				07/02/21	I/Z	SW3546
Soil Extraction for Pesticide	Completed				07/02/21	L/K	SW3546
Soil Extraction for SVOA PAH	Completed				07/01/21	R/Z	SW3546
Extraction for PCB	Completed				07/01/21	S/KL/AR	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	62	mg/Kg	1	07/03/21	JRB	CTETPH 8015D
Identification	**		mg/Kg	1	07/03/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	114		%	1	07/03/21	JRB	50 - 150 %
% Terphenyl (surr)	128		%	1	07/03/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1221	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1232	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1242	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1248	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1254	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1260	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1262	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1268	ND	200	ug/Kg	5	07/02/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	66		%	5	07/02/21	SC	30 - 150 %
% DCBP (Confirmation)	74		%	5	07/02/21	SC	30 - 150 %
% TCMX	55		%	5	07/02/21	SC	30 - 150 %
% TCMX (Confirmation)	62		%	5	07/02/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDE	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDT	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
a-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Alachlor	ND	8.2	ug/Kg	2	07/07/21	CG	SW8081B
Aldrin	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
b-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Chlordane	ND	41	ug/Kg	2	07/07/21	CG	SW8081B
d-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Dieldrin	ND	4.1	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan I	ND	8.2	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan II	ND	8.2	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan sulfate	ND	8.2	ug/Kg	2	07/07/21	CG	SW8081B
Endrin	ND	8.2	ug/Kg	2	07/07/21	CG	SW8081B
Endrin aldehyde	ND	8.2	ug/Kg	2	07/07/21	CG	SW8081B
Endrin ketone	ND	8.2	ug/Kg	2	07/07/21	CG	SW8081B
g-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor	ND	8.2	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor epoxide	ND	8.2	ug/Kg	2	07/07/21	CG	SW8081B
Methoxychlor	ND	41	ug/Kg	2	07/07/21	CG	SW8081B
Toxaphene	ND	160	ug/Kg	2	07/07/21	CG	SW8081B

QA/QC Surrogates

% DCBP	62		%	2	07/07/21	CG	30 - 150 %
% DCBP (Confirmation)	61		%	2	07/07/21	CG	30 - 150 %
% TCMX	54		%	2	07/07/21	CG	30 - 150 %
% TCMX (Confirmation)	56		%	2	07/07/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthylene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Anthracene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Benz(a)anthracene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(a)pyrene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(b)fluoranthene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(ghi)perylene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(k)fluoranthene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Chrysene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Fluoranthene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Fluorene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Naphthalene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Phenanthrene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	83		%	1	07/02/21	WB	30 - 130 %
% Nitrobenzene-d5	83		%	1	07/02/21	WB	30 - 130 %
% Terphenyl-d14	77		%	1	07/02/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TPH Comment:

**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C9 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/01/21

Time

10:45

07/01/21

17:35

Laboratory Data

SDG ID: GCI66823
Phoenix ID: CI66832

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 410 (1.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	5.07	0.79	mg/Kg	1	07/10/21	CPP	SW6010D
Lead	17.5	0.40	mg/Kg	1	07/10/21	CPP	SW6010D
Percent Solid	84		%		07/01/21	AR	SW846-%Solid
Extraction of ETPH	Completed				07/02/21	I/Z	SW3546
Soil Extraction for Pesticide	Completed				07/02/21	L/K	SW3546
Soil Extraction for SVOA PAH	Completed				07/01/21	R/Z	SW3546
Extraction for PCB	Completed				07/01/21	S/KL/AR	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	59	mg/Kg	1	07/03/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/03/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	72		%	1	07/03/21	JRB	50 - 150 %
% Terphenyl (surr)	67		%	1	07/03/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1221	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1232	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1242	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1248	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1254	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1260	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1262	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1268	ND	200	ug/Kg	5	07/02/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	66		%	5	07/02/21	SC	30 - 150 %
% DCBP (Confirmation)	76		%	5	07/02/21	SC	30 - 150 %
% TCMX	58		%	5	07/02/21	SC	30 - 150 %
% TCMX (Confirmation)	65		%	5	07/02/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDE	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDT	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
a-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Alachlor	ND	7.9	ug/Kg	2	07/07/21	CG	SW8081B
Aldrin	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
b-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Chlordane	ND	40	ug/Kg	2	07/07/21	CG	SW8081B
d-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Dieldrin	ND	4.0	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan I	ND	7.9	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan II	ND	7.9	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan sulfate	ND	7.9	ug/Kg	2	07/07/21	CG	SW8081B
Endrin	ND	7.9	ug/Kg	2	07/07/21	CG	SW8081B
Endrin aldehyde	ND	7.9	ug/Kg	2	07/07/21	CG	SW8081B
Endrin ketone	ND	7.9	ug/Kg	2	07/07/21	CG	SW8081B
g-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor	ND	7.9	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor epoxide	ND	7.9	ug/Kg	2	07/07/21	CG	SW8081B
Methoxychlor	ND	40	ug/Kg	2	07/07/21	CG	SW8081B
Toxaphene	ND	160	ug/Kg	2	07/07/21	CG	SW8081B

QA/QC Surrogates

% DCBP	72		%	2	07/07/21	CG	30 - 150 %
% DCBP (Confirmation)	72		%	2	07/07/21	CG	30 - 150 %
% TCMX	65		%	2	07/07/21	CG	30 - 150 %
% TCMX (Confirmation)	63		%	2	07/07/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthylene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Anthracene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Benz(a)anthracene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(a)pyrene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(b)fluoranthene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(ghi)perylene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(k)fluoranthene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Chrysene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Fluoranthene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Fluorene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Naphthalene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
Phenanthrene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	ND	280	ug/Kg	1	07/02/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	84		%	1	07/02/21	WB	30 - 130 %
% Nitrobenzene-d5	82		%	1	07/02/21	WB	30 - 130 %
% Terphenyl-d14	77		%	1	07/02/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/01/21 10:50
07/01/21 17:35

Time

Laboratory Data

SDG ID: GCI66823
Phoenix ID: CI66833

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHB 411 (3)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	2.18	0.76	mg/Kg	1	07/10/21	CPP	SW6010D
Lead	9.20	0.38	mg/Kg	1	07/10/21	CPP	SW6010D
Percent Solid	89		%		07/01/21	AR	SW846-%Solid
Extraction of ETPH	Completed				07/02/21	I/Z	SW3546
Soil Extraction for Pesticide	Completed				07/02/21	L/K	SW3546
Soil Extraction for SVOA PAH	Completed				07/01/21	R/Z	SW3546
Extraction for PCB	Completed				07/01/21	S/KL/AR	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	56	mg/Kg	1	07/03/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/03/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	118		%	1	07/03/21	JRB	50 - 150 %
% Terphenyl (surr)	132		%	1	07/03/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1221	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1232	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1242	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1248	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1254	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1260	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1262	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1268	ND	190	ug/Kg	5	07/02/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	83		%	5	07/02/21	SC	30 - 150 %
% DCBP (Confirmation)	93		%	5	07/02/21	SC	30 - 150 %
% TCMX	73		%	5	07/02/21	SC	30 - 150 %
% TCMX (Confirmation)	84		%	5	07/02/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDE	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDT	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
a-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Alachlor	ND	7.3	ug/Kg	2	07/07/21	CG	SW8081B
Aldrin	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
b-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Chlordane	ND	37	ug/Kg	2	07/07/21	CG	SW8081B
d-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Dieldrin	ND	3.7	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan I	ND	7.3	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan II	ND	7.3	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan sulfate	ND	7.3	ug/Kg	2	07/07/21	CG	SW8081B
Endrin	ND	7.3	ug/Kg	2	07/07/21	CG	SW8081B
Endrin aldehyde	ND	7.3	ug/Kg	2	07/07/21	CG	SW8081B
Endrin ketone	ND	7.3	ug/Kg	2	07/07/21	CG	SW8081B
g-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor	ND	7.3	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor epoxide	ND	7.3	ug/Kg	2	07/07/21	CG	SW8081B
Methoxychlor	ND	37	ug/Kg	2	07/07/21	CG	SW8081B
Toxaphene	ND	150	ug/Kg	2	07/07/21	CG	SW8081B

QA/QC Surrogates

% DCBP	82		%	2	07/07/21	CG	30 - 150 %
% DCBP (Confirmation)	75		%	2	07/07/21	CG	30 - 150 %
% TCMX	77		%	2	07/07/21	CG	30 - 150 %
% TCMX (Confirmation)	77		%	2	07/07/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Anthracene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benz(a)anthracene	350	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(a)pyrene	590	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(b)fluoranthene	610	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(ghi)perylene	360	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(k)fluoranthene	410	260	ug/Kg	1	07/02/21	WB	SW8270D
Chrysene	380	260	ug/Kg	1	07/02/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Fluoranthene	590	260	ug/Kg	1	07/02/21	WB	SW8270D
Fluorene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	330	260	ug/Kg	1	07/02/21	WB	SW8270D
Naphthalene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Phenanthrene	300	260	ug/Kg	1	07/02/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	640	260	ug/Kg	1	07/02/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	92		%	1	07/02/21	WB	30 - 130 %
% Nitrobenzene-d5	95		%	1	07/02/21	WB	30 - 130 %
% Terphenyl-d14	82		%	1	07/02/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/01/21

Time

10:51

07/01/21

17:35

Laboratory Data

SDG ID: GCI66823
Phoenix ID: CI66834

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHB 411D (3)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	1.71	0.72	mg/Kg	1	07/10/21	CPP	SW6010D
Lead	9.33	0.36	mg/Kg	1	07/10/21	CPP	SW6010D
Percent Solid	87		%		07/01/21	AR	SW846-%Solid
Soil Extraction for Pesticide	Completed				07/06/21	L/K	SW3546
Extraction of ETPH	Completed				07/02/21	I/Z	SW3546
Soil Extraction for SVOA PAH	Completed				07/01/21	R/Z	SW3546
Extraction for PCB	Completed				07/01/21	S/KL/AR	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	57	mg/Kg	1	07/03/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/03/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	124		%	1	07/03/21	JRB	50 - 150 %
% Terphenyl (surr)	107		%	1	07/03/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1221	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1232	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1242	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1248	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1254	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1260	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1262	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1268	ND	190	ug/Kg	5	07/02/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	79		%	5	07/02/21	SC	30 - 150 %
% DCBP (Confirmation)	89		%	5	07/02/21	SC	30 - 150 %
% TCMX	72		%	5	07/02/21	SC	30 - 150 %
% TCMX (Confirmation)	83		%	5	07/02/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDE	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDT	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
a-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Alachlor	ND	7.6	ug/Kg	2	07/07/21	CG	SW8081B
Aldrin	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
b-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Chlordane	ND	38	ug/Kg	2	07/07/21	CG	SW8081B
d-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan I	ND	7.6	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan II	ND	7.6	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan sulfate	ND	7.6	ug/Kg	2	07/07/21	CG	SW8081B
Endrin	ND	7.6	ug/Kg	2	07/07/21	CG	SW8081B
Endrin aldehyde	ND	7.6	ug/Kg	2	07/07/21	CG	SW8081B
Endrin ketone	ND	7.6	ug/Kg	2	07/07/21	CG	SW8081B
g-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor	ND	7.6	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor epoxide	ND	7.6	ug/Kg	2	07/07/21	CG	SW8081B
Methoxychlor	ND	38	ug/Kg	2	07/07/21	CG	SW8081B
Toxaphene	ND	150	ug/Kg	2	07/07/21	CG	SW8081B

QA/QC Surrogates

% DCBP	60		%	2	07/07/21	CG	30 - 150 %
% DCBP (Confirmation)	63		%	2	07/07/21	CG	30 - 150 %
% TCMX	57		%	2	07/07/21	CG	30 - 150 %
% TCMX (Confirmation)	55		%	2	07/07/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Anthracene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benz(a)anthracene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(a)pyrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(k)fluoranthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Chrysene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Fluoranthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Fluorene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Naphthalene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Phenanthrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	84		%	1	07/02/21	WB	30 - 130 %
% Nitrobenzene-d5	78		%	1	07/02/21	WB	30 - 130 %
% Terphenyl-d14	80		%	1	07/02/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/01/21 11:00
07/01/21 17:35

Time

Laboratory Data

SDG ID: GCI66823
Phoenix ID: CI66835

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 412 (1.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	5.46	0.69	mg/Kg	1	07/10/21	CPP	SW6010D
Lead	17.6	0.35	mg/Kg	1	07/10/21	CPP	SW6010D
SPLP Arsenic	< 0.004	0.004	mg/L	1	07/14/21	CPP	SW6010D
SPLP Lead	< 0.010	0.010	mg/L	1	07/14/21	CPP	SW6010D
SPLP Metals Digestion	Completed				07/14/21	AB/AB	SW3010A
Percent Solid	87		%		07/01/21	AR	SW846-%Solid
Extraction of ETPH	Completed				07/02/21	I/Z	SW3546
Soil Extraction for Pesticide	Completed				07/02/21	L/K	SW3546
Soil Extraction for SVOA PAH	Completed				07/01/21	R/Z	SW3546
Extraction for PCB	Completed				07/01/21	S/KL/AR	SW3540C
SPLP Extraction for Metals	Completed				07/13/21	AB	SW1312
Total Metals Digest	Completed				07/02/21	M/AG	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	57	mg/Kg	1	07/03/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/03/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	87	%	1	07/03/21	JRB	50 - 150 %
% Terphenyl (surr)	76	%	1	07/03/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1221	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1232	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1242	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1248	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1254	ND	190	ug/Kg	5	07/02/21	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1260	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1262	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1268	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	68		%	5	07/02/21	SC	30 - 150 %
% DCBP (Confirmation)	78		%	5	07/02/21	SC	30 - 150 %
% TCMX	55		%	5	07/02/21	SC	30 - 150 %
% TCMX (Confirmation)	64		%	5	07/02/21	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	0.75	ug/Kg	1	07/07/21	CG	SW8081B
4,4' -DDE	ND	0.75	ug/Kg	1	07/07/21	CG	SW8081B
4,4' -DDT	ND	0.75	ug/Kg	1	07/07/21	CG	SW8081B
a-BHC	ND	0.75	ug/Kg	1	07/07/21	CG	SW8081B
Alachlor	ND	3.8	ug/Kg	1	07/07/21	CG	SW8081B
Aldrin	ND	1.9	ug/Kg	1	07/07/21	CG	SW8081B
b-BHC	ND	0.75	ug/Kg	1	07/07/21	CG	SW8081B
Chlordane	ND	19	ug/Kg	1	07/07/21	CG	SW8081B
d-BHC	ND	0.75	ug/Kg	1	07/07/21	CG	SW8081B
Dieldrin	ND	1.9	ug/Kg	1	07/07/21	CG	SW8081B
Endosulfan I	ND	3.8	ug/Kg	1	07/07/21	CG	SW8081B
Endosulfan II	ND	3.8	ug/Kg	1	07/07/21	CG	SW8081B
Endosulfan sulfate	ND	3.8	ug/Kg	1	07/07/21	CG	SW8081B
Endrin	ND	3.8	ug/Kg	1	07/07/21	CG	SW8081B
Endrin aldehyde	ND	3.8	ug/Kg	1	07/07/21	CG	SW8081B
Endrin ketone	ND	3.8	ug/Kg	1	07/07/21	CG	SW8081B
g-BHC	ND	0.75	ug/Kg	1	07/07/21	CG	SW8081B
Heptachlor	ND	3.8	ug/Kg	1	07/07/21	CG	SW8081B
Heptachlor epoxide	ND	3.8	ug/Kg	1	07/07/21	CG	SW8081B
Methoxychlor	ND	19	ug/Kg	1	07/07/21	CG	SW8081B
Toxaphene	ND	75	ug/Kg	1	07/07/21	CG	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	36		%	1	07/07/21	CG	30 - 150 %
% DCBP (Confirmation)	33		%	1	07/07/21	CG	30 - 150 %
% TCMX	34		%	1	07/07/21	CG	30 - 150 %
% TCMX (Confirmation)	34		%	1	07/07/21	CG	30 - 150 %
<u>Polynuclear Aromatic HC</u>							
2-Methylnaphthalene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Anthracene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benz(a)anthracene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(a)pyrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(k)fluoranthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Chrysene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Fluoranthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fluorene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Naphthalene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Phenanthrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Pyrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	84		%	1	07/02/21	WB	30 - 130 %
% Nitrobenzene-d5	83		%	1	07/02/21	WB	30 - 130 %
% Terphenyl-d14	75		%	1	07/02/21	WB	30 - 130 %

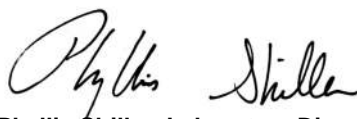
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/01/21
07/01/21

Time

11:30
17:35

Laboratory Data

SDG ID: GCI66823
Phoenix ID: CI66836

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 413 (1.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	3.27	0.74	mg/Kg	1	07/10/21	CPP	SW6010D
Lead	8.45	0.37	mg/Kg	1	07/10/21	CPP	SW6010D
Percent Solid	87		%		07/01/21	AR	SW846-%Solid
Extraction of ETPH	Completed				07/02/21	I/Z	SW3546
Soil Extraction for Pesticide	Completed				07/02/21	L/K	SW3546
Soil Extraction for SVOA PAH	Completed				07/01/21	R/Z	SW3546
Extraction for PCB	Completed				07/01/21	S/KL/AR	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	57	mg/Kg	1	07/06/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/06/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	76		%	1	07/06/21	JRB	50 - 150 %
% Terphenyl (surr)	74		%	1	07/06/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1221	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1232	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1242	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1248	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1254	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1260	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1262	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1268	ND	190	ug/Kg	5	07/02/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	73		%	5	07/02/21	SC	30 - 150 %
% DCBP (Confirmation)	83		%	5	07/02/21	SC	30 - 150 %
% TCMX	53		%	5	07/02/21	SC	30 - 150 %
% TCMX (Confirmation)	58		%	5	07/02/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDE	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDT	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
a-BHC	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
Alachlor	ND	7.4	ug/Kg	2	07/06/21	CG	SW8081B
Aldrin	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
b-BHC	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
Chlordane	ND	37	ug/Kg	2	07/06/21	CG	SW8081B
d-BHC	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
Dieldrin	ND	3.7	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan I	ND	7.4	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan II	ND	7.4	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan sulfate	ND	7.4	ug/Kg	2	07/06/21	CG	SW8081B
Endrin	ND	7.4	ug/Kg	2	07/06/21	CG	SW8081B
Endrin aldehyde	ND	7.4	ug/Kg	2	07/06/21	CG	SW8081B
Endrin ketone	ND	7.4	ug/Kg	2	07/06/21	CG	SW8081B
g-BHC	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor	ND	7.4	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor epoxide	ND	7.4	ug/Kg	2	07/06/21	CG	SW8081B
Methoxychlor	ND	37	ug/Kg	2	07/06/21	CG	SW8081B
Toxaphene	ND	150	ug/Kg	2	07/06/21	CG	SW8081B

QA/QC Surrogates

% DCBP	73		%	2	07/06/21	CG	30 - 150 %
% DCBP (Confirmation)	70		%	2	07/06/21	CG	30 - 150 %
% TCMX	68		%	2	07/06/21	CG	30 - 150 %
% TCMX (Confirmation)	68		%	2	07/06/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Anthracene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benz(a)anthracene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(a)pyrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(k)fluoranthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Chrysene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Fluoranthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Fluorene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Naphthalene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Phenanthrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	86		%	1	07/02/21	WB	30 - 130 %
% Nitrobenzene-d5	82		%	1	07/02/21	WB	30 - 130 %
% Terphenyl-d14	85		%	1	07/02/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/01/21
07/01/21

Time

11:35
17:35

Laboratory Data

SDG ID: GCI66823
Phoenix ID: CI66837

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHB 414 (2')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	2.86	0.74	mg/Kg	1	07/10/21	CPP	SW6010D
Lead	10.2	0.37	mg/Kg	1	07/10/21	CPP	SW6010D
Percent Solid	90		%		07/01/21	AR	SW846-%Solid
Extraction of ETPH	Completed				07/02/21	I/Z	SW3546
Soil Extraction for Pesticide	Completed				07/02/21	L/K	SW3546
Soil Extraction for SVOA PAH	Completed				07/01/21	R/Z	SW3546
Extraction for PCB	Completed				07/01/21	S/KL/AR	SW3540C
SPLP Extraction for Organics	Completed				07/13/21	AB	SW1312
SPLP Semivolatiles (SIM) Ext.	Completed				07/14/21	P/CG	SW3510C/SW3520C
Total Metals Digest	Completed				07/02/21	M/AG	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	280	mg/Kg	5	07/06/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	5	07/06/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	90	%	5	07/06/21	JRB	50 - 150 %
% Terphenyl (surr)	93	%	5	07/06/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1221	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1232	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1242	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1248	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1254	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1260	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1262	ND	180	ug/Kg	5	07/02/21	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1268	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	78		%	5	07/02/21	SC	30 - 150 %
% DCBP (Confirmation)	81		%	5	07/02/21	SC	30 - 150 %
% TCMX	76		%	5	07/02/21	SC	30 - 150 %
% TCMX (Confirmation)	84		%	5	07/02/21	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.4	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDE	ND	1.7	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDT	ND	3.0	ug/Kg	2	07/06/21	CG	SW8081B
a-BHC	ND	1.4	ug/Kg	2	07/06/21	CG	SW8081B
Alachlor	ND	7.2	ug/Kg	2	07/06/21	CG	SW8081B
Aldrin	ND	1.4	ug/Kg	2	07/06/21	CG	SW8081B
b-BHC	ND	1.4	ug/Kg	2	07/06/21	CG	SW8081B
Chlordane	ND	36	ug/Kg	2	07/06/21	CG	SW8081B
d-BHC	ND	1.4	ug/Kg	2	07/06/21	CG	SW8081B
Dieldrin	ND	3.6	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan I	ND	7.2	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan II	ND	7.2	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan sulfate	ND	7.2	ug/Kg	2	07/06/21	CG	SW8081B
Endrin	ND	7.2	ug/Kg	2	07/06/21	CG	SW8081B
Endrin aldehyde	ND	7.2	ug/Kg	2	07/06/21	CG	SW8081B
Endrin ketone	ND	7.2	ug/Kg	2	07/06/21	CG	SW8081B
g-BHC	ND	1.4	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor	ND	7.2	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor epoxide	ND	7.2	ug/Kg	2	07/06/21	CG	SW8081B
Methoxychlor	ND	36	ug/Kg	2	07/06/21	CG	SW8081B
Toxaphene	ND	140	ug/Kg	2	07/06/21	CG	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	64		%	2	07/06/21	CG	30 - 150 %
% DCBP (Confirmation)	64		%	2	07/06/21	CG	30 - 150 %
% TCMX	64		%	2	07/06/21	CG	30 - 150 %
% TCMX (Confirmation)	62		%	2	07/06/21	CG	30 - 150 %
<u>Polynuclear Aromatic HC</u>							
2-Methylnaphthalene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthylene	1000	260	ug/Kg	1	07/02/21	WB	SW8270D
Anthracene	700	260	ug/Kg	1	07/02/21	WB	SW8270D
Benz(a)anthracene	1700	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(a)pyrene	1900	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(b)fluoranthene	1700	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(ghi)perylene	1300	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(k)fluoranthene	1500	260	ug/Kg	1	07/02/21	WB	SW8270D
Chrysene	1800	260	ug/Kg	1	07/02/21	WB	SW8270D
Dibenz(a,h)anthracene	280	260	ug/Kg	1	07/02/21	WB	SW8270D
Fluoranthene	3300	260	ug/Kg	1	07/02/21	WB	SW8270D
Fluorene	410	260	ug/Kg	1	07/02/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	1100	260	ug/Kg	1	07/02/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Naphthalene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Phenanthrene	2300	260	ug/Kg	1	07/02/21	WB	SW8270D
Pyrene	3200	260	ug/Kg	1	07/02/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	83		%	1	07/02/21	WB	30 - 130 %
% Nitrobenzene-d5	81		%	1	07/02/21	WB	30 - 130 %
% Terphenyl-d14	77		%	1	07/02/21	WB	30 - 130 %
<u>SPLP Semivolatiles by SIM</u>							
2-Methylnaphthalene	ND	0.50	ug/L	1	07/15/21	WB	SW8270D (SIM)
Acenaphthene	ND	0.50	ug/L	1	07/15/21	WB	SW8270D (SIM)
Acenaphthylene	1.4	0.30	ug/L	1	07/15/21	WB	SW8270D (SIM)
Anthracene	0.68	0.50	ug/L	1	07/15/21	WB	SW8270D (SIM)
Benz(a)anthracene	0.06	0.05	ug/L	1	07/15/21	WB	SW8270D (SIM)
Benzo(a)pyrene	ND	0.20	ug/L	1	07/15/21	WB	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.07	ug/L	1	07/15/21	WB	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.48	ug/L	1	07/15/21	WB	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.30	ug/L	1	07/15/21	WB	SW8270D (SIM)
Chrysene	ND	0.50	ug/L	1	07/15/21	WB	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.10	ug/L	1	07/15/21	WB	SW8270D (SIM)
Fluoranthene	0.82	0.50	ug/L	1	07/15/21	WB	SW8270D (SIM)
Fluorene	1.7	0.50	ug/L	1	07/15/21	WB	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.10	ug/L	1	07/15/21	WB	SW8270D (SIM)
Naphthalene	0.74	0.50	ug/L	1	07/15/21	WB	SW8270D (SIM)
Phenanthrene	3.7	0.06	ug/L	1	07/15/21	WB	SW8270D (SIM)
Pyrene	0.60	0.50	ug/L	1	07/15/21	WB	SW8270D (SIM)
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	61		%	1	07/15/21	WB	30 - 130 %
% Nitrobenzene-d5	61		%	1	07/15/21	WB	30 - 130 %
% Terphenyl-d14	65		%	1	07/15/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/01/21
07/01/21

Time

11:40
17:35

Laboratory Data

SDG ID: GCI66823
Phoenix ID: CI66838

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 415 (0.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	4.02	0.71	mg/Kg	1	07/08/21	TH	SW6010D
Lead	11.4	0.36	mg/Kg	1	07/08/21	TH	SW6010D
Percent Solid	88		%		07/01/21	AR	SW846-%Solid
Extraction of ETPH	Completed				07/02/21	I/Z	SW3546
Soil Extraction for Pesticide	Completed				07/02/21	L/K	SW3546
Soil Extraction for SVOA PAH	Completed				07/01/21	R/Z	SW3546
Extraction for PCB	Completed				07/01/21	S/KL/AR	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	57	mg/Kg	1	07/06/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/06/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	98		%	1	07/06/21	JRB	50 - 150 %
% Terphenyl (surr)	96		%	1	07/06/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1221	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1232	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1242	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1248	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1254	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1260	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1262	ND	180	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1268	ND	180	ug/Kg	5	07/02/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	87		%	5	07/02/21	SC	30 - 150 %
% DCBP (Confirmation)	101		%	5	07/02/21	SC	30 - 150 %
% TCMX	79		%	5	07/02/21	SC	30 - 150 %
% TCMX (Confirmation)	92		%	5	07/02/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDE	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDT	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
a-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Alachlor	ND	7.4	ug/Kg	2	07/07/21	CG	SW8081B
Aldrin	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
b-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Chlordane	ND	37	ug/Kg	2	07/07/21	CG	SW8081B
d-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Dieldrin	ND	3.7	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan I	ND	7.4	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan II	ND	7.4	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan sulfate	ND	7.4	ug/Kg	2	07/07/21	CG	SW8081B
Endrin	ND	7.4	ug/Kg	2	07/07/21	CG	SW8081B
Endrin aldehyde	ND	7.4	ug/Kg	2	07/07/21	CG	SW8081B
Endrin ketone	ND	7.4	ug/Kg	2	07/07/21	CG	SW8081B
g-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor	ND	7.4	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor epoxide	ND	7.4	ug/Kg	2	07/07/21	CG	SW8081B
Methoxychlor	ND	37	ug/Kg	2	07/07/21	CG	SW8081B
Toxaphene	ND	150	ug/Kg	2	07/07/21	CG	SW8081B

QA/QC Surrogates

% DCBP	76		%	2	07/07/21	CG	30 - 150 %
% DCBP (Confirmation)	63		%	2	07/07/21	CG	30 - 150 %
% TCMX	71		%	2	07/07/21	CG	30 - 150 %
% TCMX (Confirmation)	68		%	2	07/07/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Anthracene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benz(a)anthracene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(a)pyrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Benzo(k)fluoranthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Chrysene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Fluoranthene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Fluorene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Naphthalene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
Phenanthrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	ND	260	ug/Kg	1	07/02/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	87		%	1	07/02/21	WB	30 - 130 %
% Nitrobenzene-d5	88		%	1	07/02/21	WB	30 - 130 %
% Terphenyl-d14	75		%	1	07/02/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/01/21
07/01/21

Time

11:45
17:35

Laboratory Data

SDG ID: GCI66823
Phoenix ID: CI66839

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 416 (1)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	3.71	0.82	mg/Kg	1	07/08/21	CPP	SW6010D
Lead	12.5	0.41	mg/Kg	1	07/08/21	CPP	SW6010D
Percent Solid	87		%		07/01/21	AR	SW846-%Solid
Extraction of ETPH	Completed				07/02/21	I/Z	SW3546
Soil Extraction for Pesticide	Completed				07/02/21	L/K	SW3546
Soil Extraction for SVOA PAH	Completed				07/02/21	R/K	SW3546
Extraction for PCB	Completed				07/01/21	S/KL/AR	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	57	mg/Kg	1	07/03/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/03/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	52		%	1	07/03/21	JRB	50 - 150 %
% Terphenyl (surr)	95		%	1	07/03/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1221	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1232	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1242	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1248	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1254	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1260	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1262	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1268	ND	190	ug/Kg	5	07/02/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	82		%	5	07/02/21	SC	30 - 150 %
% DCBP (Confirmation)	93		%	5	07/02/21	SC	30 - 150 %
% TCMX	74		%	5	07/02/21	SC	30 - 150 %
% TCMX (Confirmation)	83		%	5	07/02/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDE	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDT	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
a-BHC	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
Alachlor	ND	7.6	ug/Kg	2	07/06/21	CG	SW8081B
Aldrin	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
b-BHC	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
Chlordane	ND	38	ug/Kg	2	07/06/21	CG	SW8081B
d-BHC	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan I	ND	7.6	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan II	ND	7.6	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan sulfate	ND	7.6	ug/Kg	2	07/06/21	CG	SW8081B
Endrin	ND	7.6	ug/Kg	2	07/06/21	CG	SW8081B
Endrin aldehyde	ND	7.6	ug/Kg	2	07/06/21	CG	SW8081B
Endrin ketone	ND	7.6	ug/Kg	2	07/06/21	CG	SW8081B
g-BHC	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor	ND	7.6	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor epoxide	ND	7.6	ug/Kg	2	07/06/21	CG	SW8081B
Methoxychlor	ND	38	ug/Kg	2	07/06/21	CG	SW8081B
Toxaphene	ND	150	ug/Kg	2	07/06/21	CG	SW8081B

QA/QC Surrogates

% DCBP	77		%	2	07/06/21	CG	30 - 150 %
% DCBP (Confirmation)	68		%	2	07/06/21	CG	30 - 150 %
% TCMX	64		%	2	07/06/21	CG	30 - 150 %
% TCMX (Confirmation)	63		%	2	07/06/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Acenaphthene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Anthracene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Chrysene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Fluoranthene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Fluorene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Naphthalene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Phenanthrene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	79		%	1	07/03/21	WB	30 - 130 %
% Nitrobenzene-d5	84		%	1	07/03/21	WB	30 - 130 %
% Terphenyl-d14	83		%	1	07/03/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/01/21 12:15
07/01/21 17:35

Time

Laboratory Data

SDG ID: GCI66823
Phoenix ID: CI66840

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHB 417 (1)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	3.37	0.81	mg/Kg	1	07/08/21	CPP	SW6010D
Lead	8.18	0.41	mg/Kg	1	07/08/21	CPP	SW6010D
Percent Solid	88		%		07/01/21	AR	SW846-%Solid
Extraction of ETPH	Completed				07/02/21	I/Z	SW3546
Soil Extraction for Pesticide	Completed				07/02/21	L/K	SW3546
Soil Extraction for SVOA PAH	Completed				07/02/21	R/K	SW3546
Extraction for PCB	Completed				07/01/21	S/KL/AR	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	57	mg/Kg	1	07/03/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/03/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	74		%	1	07/03/21	JRB	50 - 150 %
% Terphenyl (surr)	97		%	1	07/03/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	180	ug/Kg	5	07/03/21	SC	SW8082A
PCB-1221	ND	180	ug/Kg	5	07/03/21	SC	SW8082A
PCB-1232	ND	180	ug/Kg	5	07/03/21	SC	SW8082A
PCB-1242	ND	180	ug/Kg	5	07/03/21	SC	SW8082A
PCB-1248	ND	180	ug/Kg	5	07/03/21	SC	SW8082A
PCB-1254	ND	180	ug/Kg	5	07/03/21	SC	SW8082A
PCB-1260	ND	180	ug/Kg	5	07/03/21	SC	SW8082A
PCB-1262	ND	180	ug/Kg	5	07/03/21	SC	SW8082A
PCB-1268	ND	180	ug/Kg	5	07/03/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	81		%	5	07/03/21	SC	30 - 150 %
% DCBP (Confirmation)	91		%	5	07/03/21	SC	30 - 150 %
% TCMX	64		%	5	07/03/21	SC	30 - 150 %
% TCMX (Confirmation)	73		%	5	07/03/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDE	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDT	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
a-BHC	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
Alachlor	ND	7.5	ug/Kg	2	07/06/21	CG	SW8081B
Aldrin	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
b-BHC	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
Chlordane	ND	38	ug/Kg	2	07/06/21	CG	SW8081B
d-BHC	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan I	ND	7.5	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan II	ND	7.5	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan sulfate	ND	7.5	ug/Kg	2	07/06/21	CG	SW8081B
Endrin	ND	7.5	ug/Kg	2	07/06/21	CG	SW8081B
Endrin aldehyde	ND	7.5	ug/Kg	2	07/06/21	CG	SW8081B
Endrin ketone	ND	7.5	ug/Kg	2	07/06/21	CG	SW8081B
g-BHC	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor	ND	7.5	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor epoxide	ND	7.5	ug/Kg	2	07/06/21	CG	SW8081B
Methoxychlor	ND	38	ug/Kg	2	07/06/21	CG	SW8081B
Toxaphene	ND	150	ug/Kg	2	07/06/21	CG	SW8081B

QA/QC Surrogates

% DCBP	72		%	2	07/06/21	CG	30 - 150 %
% DCBP (Confirmation)	74		%	2	07/06/21	CG	30 - 150 %
% TCMX	70		%	2	07/06/21	CG	30 - 150 %
% TCMX (Confirmation)	70		%	2	07/06/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	260	ug/Kg	1	07/03/21	WB	SW8270D
Acenaphthene	ND	260	ug/Kg	1	07/03/21	WB	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	07/03/21	WB	SW8270D
Anthracene	ND	260	ug/Kg	1	07/03/21	WB	SW8270D
Benz(a)anthracene	ND	260	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(a)pyrene	ND	260	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(k)fluoranthene	ND	260	ug/Kg	1	07/03/21	WB	SW8270D
Chrysene	ND	260	ug/Kg	1	07/03/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	07/03/21	WB	SW8270D
Fluoranthene	ND	260	ug/Kg	1	07/03/21	WB	SW8270D
Fluorene	ND	260	ug/Kg	1	07/03/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	07/03/21	WB	SW8270D
Naphthalene	ND	260	ug/Kg	1	07/03/21	WB	SW8270D
Phenanthrene	ND	260	ug/Kg	1	07/03/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	ND	260	ug/Kg	1	07/03/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	78		%	1	07/03/21	WB	30 - 130 %
% Nitrobenzene-d5	79		%	1	07/03/21	WB	30 - 130 %
% Terphenyl-d14	89		%	1	07/03/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/01/21 12:20
07/01/21 17:35

Time

Laboratory Data

SDG ID: GCI66823
Phoenix ID: CI66841

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 418 (0.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	2.80	0.74	mg/Kg	1	07/08/21	CPP	SW6010D
Lead	6.81	0.37	mg/Kg	1	07/08/21	CPP	SW6010D
Percent Solid	86		%		07/01/21	AR	SW846-%Solid
Extraction of ETPH	Completed				07/02/21	I/Z	SW3546
Soil Extraction for Pesticide	Completed				07/02/21	L/K	SW3546
Soil Extraction for SVOA PAH	Completed				07/02/21	R/K	SW3546
Extraction for PCB	Completed				07/01/21	S/KL/AR	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	58	mg/Kg	1	07/03/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/03/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	57		%	1	07/03/21	JRB	50 - 150 %
% Terphenyl (surr)	96		%	1	07/03/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1221	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1232	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1242	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1248	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1254	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1260	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1262	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1268	ND	190	ug/Kg	5	07/02/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	61		%	5	07/02/21	SC	30 - 150 %
% DCBP (Confirmation)	71		%	5	07/02/21	SC	30 - 150 %
% TCMX	56		%	5	07/02/21	SC	30 - 150 %
% TCMX (Confirmation)	65		%	5	07/02/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDE	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDT	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
a-BHC	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
Alachlor	ND	7.6	ug/Kg	2	07/06/21	CG	SW8081B
Aldrin	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
b-BHC	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
Chlordane	ND	38	ug/Kg	2	07/06/21	CG	SW8081B
d-BHC	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan I	ND	7.6	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan II	ND	7.6	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan sulfate	ND	7.6	ug/Kg	2	07/06/21	CG	SW8081B
Endrin	ND	7.6	ug/Kg	2	07/06/21	CG	SW8081B
Endrin aldehyde	ND	7.6	ug/Kg	2	07/06/21	CG	SW8081B
Endrin ketone	ND	7.6	ug/Kg	2	07/06/21	CG	SW8081B
g-BHC	ND	1.5	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor	ND	7.6	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor epoxide	ND	7.6	ug/Kg	2	07/06/21	CG	SW8081B
Methoxychlor	ND	38	ug/Kg	2	07/06/21	CG	SW8081B
Toxaphene	ND	150	ug/Kg	2	07/06/21	CG	SW8081B

QA/QC Surrogates

% DCBP	77		%	2	07/06/21	CG	30 - 150 %
% DCBP (Confirmation)	77		%	2	07/06/21	CG	30 - 150 %
% TCMX	75		%	2	07/06/21	CG	30 - 150 %
% TCMX (Confirmation)	73		%	2	07/06/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Acenaphthene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Anthracene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Chrysene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Fluoranthene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Fluorene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Naphthalene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Phenanthrene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	77		%	1	07/03/21	WB	30 - 130 %
% Nitrobenzene-d5	80		%	1	07/03/21	WB	30 - 130 %
% Terphenyl-d14	83		%	1	07/03/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date Time

07/01/21 12:30
07/01/21 17:35

Laboratory Data

SDG ID: GCI66823
Phoenix ID: CI66842

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHB 419 (1`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	3.39	0.75	mg/Kg	1	07/08/21	CPP	SW6010D
Lead	6.71	0.37	mg/Kg	1	07/08/21	CPP	SW6010D
Percent Solid	87		%		07/01/21	AR	SW846-%Solid
Soil Extraction for Pesticide	Completed				07/06/21	L/K	SW3545A
Extraction of ETPH	Completed				07/02/21	I/Z	SW3546
Soil Extraction for SVOA PAH	Completed				07/06/21	R/Z	SW3546
Extraction for PCB	Completed				07/01/21	S/KL/AR	SW3540C
SPLP Extraction for Organics	Completed				07/13/21	AB	SW1312
SPLP Semivolatiles (SIM) Ext.	Completed				07/14/21	P/CG	SW3510C/SW3520C
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	57	mg/Kg	1	07/03/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/03/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	84	%	1	07/03/21	JRB	50 - 150 %
% Terphenyl (surr)	102	%	1	07/03/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1221	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1232	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1242	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1248	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1254	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1260	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1262	ND	190	ug/Kg	5	07/02/21	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1268	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	77		%	5	07/02/21	SC	30 - 150 %
% DCBP (Confirmation)	93		%	5	07/02/21	SC	30 - 150 %
% TCMX	78		%	5	07/02/21	SC	30 - 150 %
% TCMX (Confirmation)	97		%	5	07/02/21	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDE	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDT	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
a-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Alachlor	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Aldrin	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
b-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Chlordane	ND	37	ug/Kg	2	07/07/21	CG	SW8081B
d-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Dieldrin	ND	3.7	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan I	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan II	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan sulfate	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Endrin	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Endrin aldehyde	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Endrin ketone	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
g-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor epoxide	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Methoxychlor	ND	37	ug/Kg	2	07/07/21	CG	SW8081B
Toxaphene	ND	150	ug/Kg	2	07/07/21	CG	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	53		%	2	07/07/21	CG	30 - 150 %
% DCBP (Confirmation)	49		%	2	07/07/21	CG	30 - 150 %
% TCMX	45		%	2	07/07/21	CG	30 - 150 %
% TCMX (Confirmation)	45		%	2	07/07/21	CG	30 - 150 %
<u>Polynuclear Aromatic HC</u>							
2-Methylnaphthalene	ND	270	ug/Kg	1	07/07/21	WB	SW8270D
Acenaphthene	ND	270	ug/Kg	1	07/07/21	WB	SW8270D
Acenaphthylene	650	270	ug/Kg	1	07/07/21	WB	SW8270D
Anthracene	950	270	ug/Kg	1	07/07/21	WB	SW8270D
Benz(a)anthracene	2000	270	ug/Kg	1	07/07/21	WB	SW8270D
Benzo(a)pyrene	1500	270	ug/Kg	1	07/07/21	WB	SW8270D
Benzo(b)fluoranthene	1300	270	ug/Kg	1	07/07/21	WB	SW8270D
Benzo(ghi)perylene	910	270	ug/Kg	1	07/07/21	WB	SW8270D
Benzo(k)fluoranthene	1300	270	ug/Kg	1	07/07/21	WB	SW8270D
Chrysene	2100	270	ug/Kg	1	07/07/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	07/07/21	WB	SW8270D
Fluoranthene	4200	270	ug/Kg	1	07/07/21	WB	SW8270D
Fluorene	480	270	ug/Kg	1	07/07/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	910	270	ug/Kg	1	07/07/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Naphthalene	ND	270	ug/Kg	1	07/07/21	WB	SW8270D
Phenanthrene	3800	270	ug/Kg	1	07/07/21	WB	SW8270D
Pyrene	3800	270	ug/Kg	1	07/07/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	83		%	1	07/07/21	WB	30 - 130 %
% Nitrobenzene-d5	80		%	1	07/07/21	WB	30 - 130 %
% Terphenyl-d14	80		%	1	07/07/21	WB	30 - 130 %
<u>SPLP Semivolatiles by SIM</u>							
2-Methylnaphthalene	ND	0.50	ug/L	1	07/15/21	WB	SW8270D (SIM)
Acenaphthene	ND	0.50	ug/L	1	07/15/21	WB	SW8270D (SIM)
Acenaphthylene	ND	0.30	ug/L	1	07/15/21	WB	SW8270D (SIM)
Anthracene	ND	0.50	ug/L	1	07/15/21	WB	SW8270D (SIM)
Benz(a)anthracene	ND	0.05	ug/L	1	07/15/21	WB	SW8270D (SIM)
Benzo(a)pyrene	ND	0.20	ug/L	1	07/15/21	WB	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.07	ug/L	1	07/15/21	WB	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.48	ug/L	1	07/15/21	WB	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.30	ug/L	1	07/15/21	WB	SW8270D (SIM)
Chrysene	ND	0.50	ug/L	1	07/15/21	WB	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.10	ug/L	1	07/15/21	WB	SW8270D (SIM)
Fluoranthene	ND	0.50	ug/L	1	07/15/21	WB	SW8270D (SIM)
Fluorene	ND	0.50	ug/L	1	07/15/21	WB	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.10	ug/L	1	07/15/21	WB	SW8270D (SIM)
Naphthalene	ND	0.50	ug/L	1	07/15/21	WB	SW8270D (SIM)
Phenanthrene	0.18	0.06	ug/L	1	07/15/21	WB	SW8270D (SIM)
Pyrene	ND	0.50	ug/L	1	07/15/21	WB	SW8270D (SIM)
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	58		%	1	07/15/21	WB	30 - 130 %
% Nitrobenzene-d5	56		%	1	07/15/21	WB	30 - 130 %
% Terphenyl-d14	67		%	1	07/15/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/01/21 12:40
07/01/21 17:35

Time

Laboratory Data

SDG ID: GCI66823
Phoenix ID: CI66843

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 420 (0.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	3.83	0.80	mg/Kg	1	07/08/21	CPP	SW6010D
Lead	11.5	0.40	mg/Kg	1	07/08/21	CPP	SW6010D
Percent Solid	86		%		07/01/21	AR	SW846-%Solid
Soil Extraction for Pesticide	Completed				07/01/21	B/E	SW3545A
Extraction of ETPH	Completed				07/02/21	I/Z	SW3546
Soil Extraction for SVOA PAH	Completed				07/02/21	R/K	SW3546
Extraction for PCB	Completed				07/01/21	S/KL/AR	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	57	mg/Kg	1	07/03/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/03/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	88		%	1	07/03/21	JRB	50 - 150 %
% Terphenyl (surr)	87		%	1	07/03/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1221	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1232	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1242	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1248	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1254	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1260	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1262	ND	190	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1268	ND	190	ug/Kg	5	07/02/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	77		%	5	07/02/21	SC	30 - 150 %
% DCBP (Confirmation)	87		%	5	07/02/21	SC	30 - 150 %
% TCMX	71		%	5	07/02/21	SC	30 - 150 %
% TCMX (Confirmation)	82		%	5	07/02/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.5	ug/Kg	2	07/02/21	CG	SW8081B
4,4' -DDE	ND	1.5	ug/Kg	2	07/02/21	CG	SW8081B
4,4' -DDT	ND	1.5	ug/Kg	2	07/02/21	CG	SW8081B
a-BHC	ND	1.5	ug/Kg	2	07/02/21	CG	SW8081B
Alachlor	ND	7.6	ug/Kg	2	07/02/21	CG	SW8081B
Aldrin	ND	1.5	ug/Kg	2	07/02/21	CG	SW8081B
b-BHC	ND	1.5	ug/Kg	2	07/02/21	CG	SW8081B
Chlordane	ND	38	ug/Kg	2	07/02/21	CG	SW8081B
d-BHC	ND	1.5	ug/Kg	2	07/02/21	CG	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	07/02/21	CG	SW8081B
Endosulfan I	ND	7.6	ug/Kg	2	07/02/21	CG	SW8081B
Endosulfan II	ND	7.6	ug/Kg	2	07/02/21	CG	SW8081B
Endosulfan sulfate	ND	7.6	ug/Kg	2	07/02/21	CG	SW8081B
Endrin	ND	7.6	ug/Kg	2	07/02/21	CG	SW8081B
Endrin aldehyde	ND	7.6	ug/Kg	2	07/02/21	CG	SW8081B
Endrin ketone	ND	7.6	ug/Kg	2	07/02/21	CG	SW8081B
g-BHC	ND	1.5	ug/Kg	2	07/02/21	CG	SW8081B
Heptachlor	ND	7.6	ug/Kg	2	07/02/21	CG	SW8081B
Heptachlor epoxide	ND	7.6	ug/Kg	2	07/02/21	CG	SW8081B
Methoxychlor	ND	38	ug/Kg	2	07/02/21	CG	SW8081B
Toxaphene	ND	150	ug/Kg	2	07/02/21	CG	SW8081B

QA/QC Surrogates

% DCBP	61		%	2	07/02/21	CG	30 - 150 %
% DCBP (Confirmation)	62		%	2	07/02/21	CG	30 - 150 %
% TCMX	57		%	2	07/02/21	CG	30 - 150 %
% TCMX (Confirmation)	57		%	2	07/02/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Acenaphthene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Anthracene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Chrysene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Fluoranthene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Fluorene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Naphthalene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Phenanthrene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	41		%	1	07/03/21	WB	30 - 130 %
% Nitrobenzene-d5	39		%	1	07/03/21	WB	30 - 130 %
% Terphenyl-d14	50		%	1	07/03/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/01/21

Time

12:50

07/01/21

17:35

Laboratory Data

SDG ID: GCI66823
Phoenix ID: CI66844

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHB 421 (1)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	4.88	0.75	mg/Kg	1	07/08/21	CPP	SW6010D
Lead	20.1	0.38	mg/Kg	1	07/08/21	CPP	SW6010D
SPLP Lead	< 0.010	0.010	mg/L	1	07/14/21	CPP	SW6010D
SPLP Metals Digestion	Completed				07/14/21	AB/AB	SW3010A
Percent Solid	84		%		07/01/21	AR	SW846-%Solid
Soil Extraction for Pesticide	Completed				07/01/21	B/E	SW3545A
Extraction of ETPH	Completed				07/02/21	I/Z	SW3546
Soil Extraction for SVOA PAH	Completed				07/02/21	R/K	SW3546
Extraction for PCB	Completed				07/01/21	S/KL/AR	SW3540C
SPLP Extraction for Metals	Completed				07/13/21	AB	SW1312
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	58	mg/Kg	1	07/03/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/03/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	69	%	1	07/03/21	JRB	50 - 150 %
% Terphenyl (surr)	68	%	1	07/03/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1221	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1232	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1242	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1248	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1254	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1260	ND	200	ug/Kg	5	07/02/21	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1262	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1268	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	66		%	5	07/02/21	SC	30 - 150 %
% DCBP (Confirmation)	72		%	5	07/02/21	SC	30 - 150 %
% TCMX	48		%	5	07/02/21	SC	30 - 150 %
% TCMX (Confirmation)	54		%	5	07/02/21	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.6	ug/Kg	2	07/02/21	CG	SW8081B
4,4' -DDE	ND	1.6	ug/Kg	2	07/02/21	CG	SW8081B
4,4' -DDT	ND	1.6	ug/Kg	2	07/02/21	CG	SW8081B
a-BHC	ND	1.6	ug/Kg	2	07/02/21	CG	SW8081B
Alachlor	ND	7.8	ug/Kg	2	07/02/21	CG	SW8081B
Aldrin	ND	1.6	ug/Kg	2	07/02/21	CG	SW8081B
b-BHC	ND	1.6	ug/Kg	2	07/02/21	CG	SW8081B
Chlordane	ND	39	ug/Kg	2	07/02/21	CG	SW8081B
d-BHC	ND	1.6	ug/Kg	2	07/02/21	CG	SW8081B
Dieldrin	ND	3.9	ug/Kg	2	07/02/21	CG	SW8081B
Endosulfan I	ND	7.8	ug/Kg	2	07/02/21	CG	SW8081B
Endosulfan II	ND	7.8	ug/Kg	2	07/02/21	CG	SW8081B
Endosulfan sulfate	ND	7.8	ug/Kg	2	07/02/21	CG	SW8081B
Endrin	ND	7.8	ug/Kg	2	07/02/21	CG	SW8081B
Endrin aldehyde	ND	7.8	ug/Kg	2	07/02/21	CG	SW8081B
Endrin ketone	ND	7.8	ug/Kg	2	07/02/21	CG	SW8081B
g-BHC	ND	1.6	ug/Kg	2	07/02/21	CG	SW8081B
Heptachlor	ND	7.8	ug/Kg	2	07/02/21	CG	SW8081B
Heptachlor epoxide	ND	7.8	ug/Kg	2	07/02/21	CG	SW8081B
Methoxychlor	ND	39	ug/Kg	2	07/02/21	CG	SW8081B
Toxaphene	ND	160	ug/Kg	2	07/02/21	CG	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	59		%	2	07/02/21	CG	30 - 150 %
% DCBP (Confirmation)	62		%	2	07/02/21	CG	30 - 150 %
% TCMX	58		%	2	07/02/21	CG	30 - 150 %
% TCMX (Confirmation)	59		%	2	07/02/21	CG	30 - 150 %
<u>Polynuclear Aromatic HC</u>							
2-Methylnaphthalene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D
Acenaphthene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D
Acenaphthylene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D
Anthracene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D
Benz(a)anthracene	320	280	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(a)pyrene	390	280	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(b)fluoranthene	330	280	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(ghi)perylene	280	280	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(k)fluoranthene	290	280	ug/Kg	1	07/03/21	WB	SW8270D
Chrysene	350	280	ug/Kg	1	07/03/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D
Fluoranthene	640	280	ug/Kg	1	07/03/21	WB	SW8270D
Fluorene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D
Naphthalene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D
Phenanthrene	420	280	ug/Kg	1	07/03/21	WB	SW8270D
Pyrene	600	280	ug/Kg	1	07/03/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	76		%	1	07/03/21	WB	30 - 130 %
% Nitrobenzene-d5	81		%	1	07/03/21	WB	30 - 130 %
% Terphenyl-d14	81		%	1	07/03/21	WB	30 - 130 %

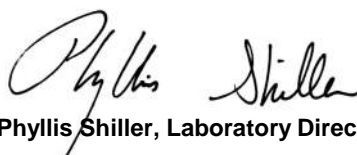
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

07/01/21 13:00
07/01/21 17:35

Time

Laboratory Data

SDG ID: GCI66823
Phoenix ID: CI66845

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 422 (0.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	3.48	0.80	mg/Kg	1	07/08/21	CPP	SW6010D
Lead	14.8	0.40	mg/Kg	1	07/08/21	CPP	SW6010D
Percent Solid	84		%		07/01/21	AR	SW846-%Solid
Soil Extraction for Pesticide	Completed				07/01/21	B/E	SW3545A
Extraction of ETPH	Completed				07/02/21	I/Z	SW3546
Soil Extraction for SVOA PAH	Completed				07/02/21	R/K	SW3546
Extraction for PCB	Completed				07/01/21	S/KL/AR	SW3540C
SPLP Extraction for Organics	Completed				07/13/21	AB	SW1312
SPLP Semivolatiles (SIM) Ext.	Completed				07/14/21	P/CG	SW3510C/SW3520C
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	59	mg/Kg	1	07/03/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/03/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	86		%	1	07/03/21	JRB	50 - 150 %
% Terphenyl (surr)	85		%	1	07/03/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1221	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1232	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1242	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1248	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1254	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1260	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
PCB-1262	ND	200	ug/Kg	5	07/02/21	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1268	ND	200	ug/Kg	5	07/02/21	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	84		%	5	07/02/21	SC	30 - 150 %
% DCBP (Confirmation)	91		%	5	07/02/21	SC	30 - 150 %
% TCMX	78		%	5	07/02/21	SC	30 - 150 %
% TCMX (Confirmation)	92		%	5	07/02/21	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.6	ug/Kg	2	07/02/21	CG	SW8081B
4,4' -DDE	ND	1.6	ug/Kg	2	07/02/21	CG	SW8081B
4,4' -DDT	ND	1.6	ug/Kg	2	07/02/21	CG	SW8081B
a-BHC	ND	1.6	ug/Kg	2	07/02/21	CG	SW8081B
Alachlor	ND	7.8	ug/Kg	2	07/02/21	CG	SW8081B
Aldrin	ND	1.6	ug/Kg	2	07/02/21	CG	SW8081B
b-BHC	ND	1.6	ug/Kg	2	07/02/21	CG	SW8081B
Chlordane	ND	39	ug/Kg	2	07/02/21	CG	SW8081B
d-BHC	ND	1.6	ug/Kg	2	07/02/21	CG	SW8081B
Dieldrin	ND	3.9	ug/Kg	2	07/02/21	CG	SW8081B
Endosulfan I	ND	7.8	ug/Kg	2	07/02/21	CG	SW8081B
Endosulfan II	ND	7.8	ug/Kg	2	07/02/21	CG	SW8081B
Endosulfan sulfate	ND	7.8	ug/Kg	2	07/02/21	CG	SW8081B
Endrin	ND	7.8	ug/Kg	2	07/02/21	CG	SW8081B
Endrin aldehyde	ND	7.8	ug/Kg	2	07/02/21	CG	SW8081B
Endrin ketone	ND	7.8	ug/Kg	2	07/02/21	CG	SW8081B
g-BHC	ND	1.6	ug/Kg	2	07/02/21	CG	SW8081B
Heptachlor	ND	7.8	ug/Kg	2	07/02/21	CG	SW8081B
Heptachlor epoxide	ND	7.8	ug/Kg	2	07/02/21	CG	SW8081B
Methoxychlor	ND	39	ug/Kg	2	07/02/21	CG	SW8081B
Toxaphene	ND	160	ug/Kg	2	07/02/21	CG	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	56		%	2	07/02/21	CG	30 - 150 %
% DCBP (Confirmation)	61		%	2	07/02/21	CG	30 - 150 %
% TCMX	58		%	2	07/02/21	CG	30 - 150 %
% TCMX (Confirmation)	60		%	2	07/02/21	CG	30 - 150 %
<u>Polynuclear Aromatic HC</u>							
2-Methylnaphthalene	580	280	ug/Kg	1	07/03/21	WB	SW8270D
Acenaphthene	390	280	ug/Kg	1	07/03/21	WB	SW8270D
Acenaphthylene	2700	280	ug/Kg	1	07/03/21	WB	SW8270D
Anthracene	2200	280	ug/Kg	1	07/03/21	WB	SW8270D
Benz(a)anthracene	4300	280	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(a)pyrene	4300	280	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(b)fluoranthene	3400	280	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(ghi)perylene	2800	280	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(k)fluoranthene	3000	280	ug/Kg	1	07/03/21	WB	SW8270D
Chrysene	4400	280	ug/Kg	1	07/03/21	WB	SW8270D
Dibenz(a,h)anthracene	640	280	ug/Kg	1	07/03/21	WB	SW8270D
Fluoranthene	13000	2800	ug/Kg	10	07/06/21	WB	SW8270D
Fluorene	1700	280	ug/Kg	1	07/03/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	2800	280	ug/Kg	1	07/03/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Naphthalene	680	280	ug/Kg	1	07/03/21	WB	SW8270D
Phenanthrene	13000	2800	ug/Kg	10	07/06/21	WB	SW8270D
Pyrene	12000	2800	ug/Kg	10	07/06/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	76		%	1	07/03/21	WB	30 - 130 %
% Nitrobenzene-d5	87		%	1	07/03/21	WB	30 - 130 %
% Terphenyl-d14	93		%	1	07/03/21	WB	30 - 130 %
% 2-Fluorobiphenyl (10x)	Diluted Out		%	10	07/06/21	WB	30 - 130 %
% Nitrobenzene-d5 (10x)	Diluted Out		%	10	07/06/21	WB	30 - 130 %
% Terphenyl-d14 (10x)	Diluted Out		%	10	07/06/21	WB	30 - 130 %

SPLP Semivolatiles by SIM

2-Methylnaphthalene	ND	0.53	ug/L	1	07/15/21	WB	SW8270D (SIM)
Acenaphthene	ND	0.53	ug/L	1	07/15/21	WB	SW8270D (SIM)
Acenaphthylene	ND	0.32	ug/L	1	07/15/21	WB	SW8270D (SIM)
Anthracene	ND	0.53	ug/L	1	07/15/21	WB	SW8270D (SIM)
Benz(a)anthracene	ND	0.05	ug/L	1	07/15/21	WB	SW8270D (SIM)
Benzo(a)pyrene	ND	0.21	ug/L	1	07/15/21	WB	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.07	ug/L	1	07/15/21	WB	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.50	ug/L	1	07/15/21	WB	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.32	ug/L	1	07/15/21	WB	SW8270D (SIM)
Chrysene	ND	0.53	ug/L	1	07/15/21	WB	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.11	ug/L	1	07/15/21	WB	SW8270D (SIM)
Fluoranthene	ND	0.53	ug/L	1	07/15/21	WB	SW8270D (SIM)
Fluorene	ND	0.53	ug/L	1	07/15/21	WB	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.11	ug/L	1	07/15/21	WB	SW8270D (SIM)
Naphthalene	ND	0.53	ug/L	1	07/15/21	WB	SW8270D (SIM)
Phenanthrene	ND	0.06	ug/L	1	07/15/21	WB	SW8270D (SIM)
Pyrene	ND	0.53	ug/L	1	07/15/21	WB	SW8270D (SIM)

QA/QC Surrogates

% 2-Fluorobiphenyl	56		%	1	07/15/21	WB	30 - 130 %
% Nitrobenzene-d5	55		%	1	07/15/21	WB	30 - 130 %
% Terphenyl-d14	56		%	1	07/15/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

July 19, 2021

QA/QC Data

SDG I.D.: GCI66823

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 583388 (mg/L), QC Sample No: CI66823 (CI66823, CI66829, CI66835, CI66844)

ICP Metals - SPLP Extraction

Arsenic	BRL	0.004	<0.004	<0.004	NC	105	104	1.0	105			80 - 120	20
Lead	BRL	0.010	<0.010	<0.010	NC	99.8	99.2	0.6	103			80 - 120	20

Comment:

Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

QA/QC Batch 582101 (mg/kg), QC Sample No: CI66828 (CI66828, CI66829, CI66830, CI66831, CI66832, CI66833, CI66834, CI66835, CI66836, CI66837)

ICP Metals - Soil

Arsenic	BRL	0.67	4.19	5.57	28.3	110	111	0.9	93.6			75 - 125	35
Lead	BRL	0.33	17.6	22.0	22.2	112	111	0.9	96.5			75 - 125	35

Comment:

Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

QA/QC Batch 582153 (mg/kg), QC Sample No: CI66839 (CI66839, CI66840, CI66841, CI66842, CI66843, CI66844, CI66845)

ICP Metals - Soil

Arsenic	BRL	0.67	3.71	3.27	NC	119	115	3.4	100			75 - 125	35
Lead	BRL	0.33	12.5	10.4	18.3	116	113	2.6	101			75 - 125	35

Comment:

Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

QA/QC Batch 582100 (mg/kg), QC Sample No: CI67133 (CI66823, CI66824, CI66825, CI66826, CI66827)

ICP Metals - Soil

Arsenic	BRL	0.67	4.71	5.02	6.40	113	120	6.0	102	103	1.0	75 - 125	35
Lead	BRL	0.33	18.1	16.5	9.20	111	118	6.1	103	102	1.0	75 - 125	35

Comment:

Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

QA/QC Batch 582159 (mg/kg), QC Sample No: CI67390 (CI66838)

ICP Metals - Soil

Arsenic	BRL	0.67	1.65	1.67	NC	113	113	0.0	95.8			75 - 125	35
Lead	BRL	0.33	2.03	1.97	3.00	112	108	3.6	95.1			75 - 125	35

Comment:

Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

July 19, 2021

QA/QC Data

SDG I.D.: GCI66823

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 581952 (mg/Kg), QC Sample No: CI66221 (CI66823)

TPH by GC (Extractable Products) - Soil

Ext. Petroleum H.C. (C9-C36)	ND	50	74	77	4.0	105	147	33.3	60 - 120	30	r
% COD (surr)	106	%	92	87	5.6	119			50 - 150	30	
% Terphenyl (surr)	106	%	83	75	10.1	101	147	37.1	50 - 150	30	r

Comment:

Additional surrogate criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%. The ETPH/DRO LCS has been normalized based on the alkane calibration.

QA/QC Batch 581998 (mg/Kg), QC Sample No: CI66826 (CI66824, CI66825, CI66826, CI66827, CI66828, CI66829, CI66831, CI66832, CI66833, CI66834, CI66835, CI66836, CI66837, CI66838, CI66839, CI66840, CI66841, CI66842)

TPH by GC (Extractable Products) - Soil

Ext. Petroleum H.C. (C9-C36)	ND	50	117	94	21.8	85	90	5.7	60 - 120	30	
% COD (surr)	108	%	124	112	10.2	130	88	38.5	50 - 150	30	r
% Terphenyl (surr)	95	%	110	87	23.4	93	78	17.5	50 - 150	30	

Comment:

Additional surrogate criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%. The ETPH/DRO LCS has been normalized based on the alkane calibration.

QA/QC Batch 582122 (mg/Kg), QC Sample No: CI67016 (CI66843, CI66844, CI66845)

TPH by GC (Extractable Products) - Soil

Ext. Petroleum H.C. (C9-C36)	ND	50	74	71	4.1	81	70	14.6	60 - 120	30	
% COD (surr)	100	%	94	89	5.5	91	81	11.6	50 - 150	30	
% Terphenyl (surr)	99	%	86	79	8.5	88	79	10.8	50 - 150	30	

Comment:

Additional surrogate criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%. The ETPH/DRO LCS has been normalized based on the alkane calibration.

QA/QC Batch 582168 (mg/Kg), QC Sample No: CI67044 (CI66830)

TPH by GC (Extractable Products) - Soil

Ext. Petroleum H.C. (C9-C36)	ND	50	108	109	0.9	99	119	18.3	60 - 120	30	
% COD (surr)	152	%	117	68	53.0	126	145	14.0	50 - 150	30	r,s
% Terphenyl (surr)	150	%	108	106	1.9	97	117	18.7	50 - 150	30	

Comment:

Additional surrogate criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%. The ETPH/DRO LCS has been normalized based on the alkane calibration.

QA/QC Batch 581926 (ug/Kg), QC Sample No: CI63213 10X (CI66823, CI66824, CI66825, CI66826, CI66827, CI66828, CI66829)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	170	100	98	2.0	95	90	5.4	40 - 140	30	
PCB-1221	ND	170							40 - 140	30	
PCB-1232	ND	170							40 - 140	30	
PCB-1242	ND	170							40 - 140	30	
PCB-1248	ND	170							40 - 140	30	
PCB-1254	ND	170							40 - 140	30	

QA/QC Data

SDG I.D.: GCI66823

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
PCB-1260	ND	170	111	102	8.5	99	94	5.2	40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	73	%	106	109	2.8	110	106	3.7	30 - 150	30
% DCBP (Surrogate Rec) (Confirm	91	%	130	102	24.1	103	94	9.1	30 - 150	30
% TCMX (Surrogate Rec)	109	%	109	107	1.9	99	95	4.1	30 - 150	30
% TCMX (Surrogate Rec) (Confirm	126	%	121	105	14.2	99	94	5.2	30 - 150	30

QA/QC Batch 581984 (ug/Kg), QC Sample No: CI66830 10X (CI66830, CI66831, CI66832, CI66833, CI66834, CI66835, CI66836, CI66837, CI66838, CI66839, CI66840, CI66841, CI66842, CI66843, CI66844, CI66845)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	170	93	90	3.3	69	59	15.6	40 - 140	30
PCB-1221	ND	170							40 - 140	30
PCB-1232	ND	170							40 - 140	30
PCB-1242	ND	170							40 - 140	30
PCB-1248	ND	170							40 - 140	30
PCB-1254	ND	170							40 - 140	30
PCB-1260	ND	170	105	102	2.9	89	79	11.9	40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	105	%	118	111	6.1	98	87	11.9	30 - 150	30
% DCBP (Surrogate Rec) (Confirm	99	%	112	105	6.5	92	85	7.9	30 - 150	30
% TCMX (Surrogate Rec)	14	%	94	90	4.3	80	64	22.2	30 - 150	30 s
% TCMX (Surrogate Rec) (Confirm	13	%	93	91	2.2	79	64	21.0	30 - 150	30 s

QA/QC Batch 581919 (ug/Kg), QC Sample No: CI66589 2X (CI66843, CI66844, CI66845)

Pesticides - Soil

4,4' -DDD	ND	1.7	80	75	6.5	68	72	5.7	40 - 140	30
4,4' -DDE	ND	1.7	82	73	11.6	67	71	5.8	40 - 140	30
4,4' -DDT	ND	1.7	76	69	9.7	63	67	6.2	40 - 140	30
a-BHC	ND	1.0	77	70	9.5	62	66	6.3	40 - 140	30
Alachlor	ND	3.3	NA	NA	NC	NA	NA	NC	40 - 140	30
Aldrin	ND	1.0	74	67	9.9	59	64	8.1	40 - 140	30
b-BHC	ND	1.0	77	73	5.3	63	66	4.7	40 - 140	30
Chlordane	ND	33	78	70	10.8	64	69	7.5	40 - 140	30
d-BHC	ND	3.3	70	63	10.5	57	60	5.1	40 - 140	30
Dieldrin	ND	1.0	92	83	10.3	79	82	3.7	40 - 140	30
Endosulfan I	ND	3.3	93	84	10.2	77	81	5.1	40 - 140	30
Endosulfan II	ND	3.3	113	102	10.2	95	100	5.1	40 - 140	30
Endosulfan sulfate	ND	3.3	84	76	10.0	69	74	7.0	40 - 140	30
Endrin	ND	3.3	77	68	12.4	64	70	9.0	40 - 140	30
Endrin aldehyde	ND	3.3	63	59	6.6	54	56	3.6	40 - 140	30
Endrin ketone	ND	3.3	80	72	10.5	66	69	4.4	40 - 140	30
g-BHC	ND	1.0	74	69	7.0	61	64	4.8	40 - 140	30
Heptachlor	ND	3.3	80	73	9.2	65	69	6.0	40 - 140	30
Heptachlor epoxide	ND	3.3	74	67	9.9	60	65	8.0	40 - 140	30
Methoxychlor	ND	3.3	81	72	11.8	78	82	5.0	40 - 140	30
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	88	%	92	83	10.3	81	83	2.4	30 - 150	30
% DCBP (Confirmation)	84	%	86	80	7.2	73	78	6.6	30 - 150	30
% TCMX	76	%	83	78	6.2	69	74	7.0	30 - 150	30
% TCMX (Confirmation)	77	%	77	76	1.3	65	71	8.8	30 - 150	30

QA/QC Data

SDG I.D.: GCI66823

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 582022 (ug/Kg), QC Sample No: CI66823 2X (CI66823, CI66824, CI66825, CI66826, CI66827, CI66828, CI66829, CI66830, CI66831, CI66832, CI66833, CI66835, CI66836, CI66837, CI66838, CI66839, CI66840, CI66841)

Pesticides - Soil

4,4' -DDD	ND	1.7	74	72	2.7	74	62	17.6	40 - 140	30
4,4' -DDE	ND	1.7	71	68	4.3	74	63	16.1	40 - 140	30
4,4' -DDT	ND	1.7	66	64	3.1	68	59	14.2	40 - 140	30
a-BHC	ND	1.0	67	61	9.4	68	55	21.1	40 - 140	30
Alachlor	ND	3.3	NA	NA	NC	NA	NA	NC	40 - 140	30
Aldrin	ND	1.0	71	67	5.8	73	62	16.3	40 - 140	30
b-BHC	ND	1.0	71	69	2.9	68	62	9.2	40 - 140	30
Chlordane	ND	33	66	67	1.5	71	60	16.8	40 - 140	30
d-BHC	ND	3.3	66	63	4.7	67	57	16.1	40 - 140	30
Dieldrin	ND	1.0	71	68	4.3	73	62	16.3	40 - 140	30
Endosulfan I	ND	3.3	83	80	3.7	86	73	16.4	40 - 140	30
Endosulfan II	ND	3.3	103	98	5.0	105	90	15.4	40 - 140	30
Endosulfan sulfate	ND	3.3	74	71	4.1	76	65	15.6	40 - 140	30
Endrin	ND	3.3	74	70	5.6	78	68	13.7	40 - 140	30
Endrin aldehyde	ND	3.3	71	67	5.8	68	59	14.2	40 - 140	30
Endrin ketone	ND	3.3	78	73	6.6	76	65	15.6	40 - 140	30
g-BHC	ND	1.0	70	67	4.4	72	60	18.2	40 - 140	30
Heptachlor	ND	3.3	70	67	4.4	72	63	13.3	40 - 140	30
Heptachlor epoxide	ND	3.3	68	65	4.5	70	60	15.4	40 - 140	30
Methoxychlor	ND	3.3	80	71	11.9	76	66	14.1	40 - 140	30
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	91	%	79	79	0.0	86	75	13.7	30 - 150	30
% DCBP (Confirmation)	83	%	83	79	4.9	84	74	12.7	30 - 150	30
% TCMX	77	%	72	71	1.4	74	67	9.9	30 - 150	30
% TCMX (Confirmation)	72	%	72	71	1.4	74	69	7.0	30 - 150	30

QA/QC Batch 582360 (ug/Kg), QC Sample No: CI68387 2X (CI66834, CI66842)

Pesticides - Soil

4,4' -DDD	ND	1.7	67	73	8.6	50	50	0.0	40 - 140	30
4,4' -DDE	ND	1.7	65	71	8.8	49	50	2.0	40 - 140	30
4,4' -DDT	ND	1.7	64	69	7.5	47	48	2.1	40 - 140	30
a-BHC	ND	1.0	61	67	9.4	42	45	6.9	40 - 140	30
Alachlor	ND	3.3	NA	NA	NC	NA	NA	NC	40 - 140	30
Aldrin	ND	1.0	59	63	6.6	41	43	4.8	40 - 140	30
b-BHC	ND	1.0	61	64	4.8	43	43	0.0	40 - 140	30
Chlordane	ND	33	67	68	1.5	44	46	4.4	40 - 140	30
d-BHC	ND	3.3	55	59	7.0	39	40	2.5	40 - 140	30
Dieldrin	ND	1.0	76	81	6.4	53	54	1.9	40 - 140	30
Endosulfan I	ND	3.3	76	80	5.1	53	55	3.7	40 - 140	30
Endosulfan II	ND	3.3	92	98	6.3	64	67	4.6	40 - 140	30
Endosulfan sulfate	ND	3.3	66	62	6.3	43	46	6.7	40 - 140	30
Endrin	ND	3.3	67	72	7.2	47	48	2.1	40 - 140	30
Endrin aldehyde	ND	3.3	52	55	5.6	39	39	0.0	40 - 140	30
Endrin ketone	ND	3.3	63	66	4.7	42	44	4.7	40 - 140	30
g-BHC	ND	1.0	59	64	8.1	41	43	4.8	40 - 140	30
Heptachlor	ND	3.3	65	69	6.0	45	46	2.2	40 - 140	30
Heptachlor epoxide	ND	3.3	61	65	6.3	42	44	4.7	40 - 140	30
Methoxychlor	ND	3.3	70	74	5.6	52	50	3.9	40 - 140	30
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	67	%	77	78	1.3	52	54	3.8	30 - 150	30

QA/QC Data

SDG I.D.: GCI66823

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% DCBP (Confirmation)	70	%	70	70	0.0	44	45	2.2	30 - 150	30
% TCMX	66	%	74	73	1.4	49	51	4.0	30 - 150	30
% TCMX (Confirmation)	69	%	69	70	1.4	47	48	2.1	30 - 150	30

QA/QC Batch 581985 (ug/kg), QC Sample No: CI66823 (CI66823, CI66824, CI66825, CI66826, CI66827, CI66828, CI66829, CI66830, CI66831, CI66832, CI66833, CI66834, CI66835, CI66836, CI66837, CI66838)

Polynuclear Aromatic HC - Soil

2-Methylnaphthalene	ND	230	90	72	22.2	87	82	5.9	40 - 140	30
Acenaphthene	ND	230	94	81	14.9	91	85	6.8	30 - 130	30
Acenaphthylene	ND	230	82	75	8.9	83	78	6.2	40 - 140	30
Anthracene	ND	230	93	83	11.4	92	89	3.3	40 - 140	30
Benz(a)anthracene	ND	230	94	83	12.4	92	92	0.0	40 - 140	30
Benzo(a)pyrene	ND	230	87	79	9.6	88	85	3.5	40 - 140	30
Benzo(b)fluoranthene	ND	230	96	82	15.7	93	96	3.2	40 - 140	30
Benzo(ghi)perylene	ND	230	100	88	12.8	99	100	1.0	40 - 140	30
Benzo(k)fluoranthene	ND	230	84	80	4.9	88	79	10.8	40 - 140	30
Chrysene	ND	230	93	81	13.8	90	89	1.1	40 - 140	30
Dibenz(a,h)anthracene	ND	230	97	85	13.2	95	93	2.1	40 - 140	30
Fluoranthene	ND	230	88	79	10.8	90	86	4.5	40 - 140	30
Fluorene	ND	230	87	77	12.2	87	84	3.5	40 - 140	30
Indeno(1,2,3-cd)pyrene	ND	230	89	79	11.9	88	87	1.1	40 - 140	30
Naphthalene	ND	230	96	76	23.3	90	85	5.7	40 - 140	30
Phenanthrene	ND	230	93	81	13.8	91	87	4.5	40 - 140	30
Pyrene	ND	230	90	79	13.0	91	87	4.5	30 - 130	30
% 2-Fluorobiphenyl	89	%	85	73	15.2	83	78	6.2	30 - 130	30
% Nitrobenzene-d5	86	%	91	78	15.4	90	84	6.9	30 - 130	30
% Terphenyl-d14	82	%	86	77	11.0	88	82	7.1	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 582357 (ug/kg), QC Sample No: CI66842 (CI66842)

Polynuclear Aromatic HC - Soil

2-Methylnaphthalene	ND	230	75	82	8.9	85	82	3.6	40 - 140	30
Acenaphthene	ND	230	77	91	16.7	89	80	10.7	30 - 130	30
Acenaphthylene	ND	230	71	84	16.8	70	61	13.7	40 - 140	30
Anthracene	ND	230	77	93	18.8	64	59	8.1	40 - 140	30
Benz(a)anthracene	ND	230	75	91	19.3	38	34	11.1	40 - 140	30 m
Benzo(a)pyrene	ND	230	73	89	19.8	47	43	8.9	40 - 140	30
Benzo(b)fluoranthene	ND	230	78	93	17.5	59	60	1.7	40 - 140	30
Benzo(ghi)perylene	ND	230	87	107	20.6	74	72	2.7	40 - 140	30
Benzo(k)fluoranthene	ND	230	70	87	21.7	52	42	21.3	40 - 140	30
Chrysene	ND	230	75	91	19.3	37	33	11.4	40 - 140	30 m
Dibenz(a,h)anthracene	ND	230	78	100	24.7	82	80	2.5	40 - 140	30
Fluoranthene	ND	230	77	91	16.7	<10	<10	NC	40 - 140	30 m
Fluorene	ND	230	75	88	16.0	75	67	11.3	40 - 140	30
Indeno(1,2,3-cd)pyrene	ND	230	77	94	19.9	63	61	3.2	40 - 140	30
Naphthalene	ND	230	78	84	7.4	84	81	3.6	40 - 140	30
Phenanthrene	ND	230	76	91	18.0	<10	<10	NC	40 - 140	30 m
Pyrene	ND	230	76	89	15.8	<10	<10	NC	30 - 130	30 m
% 2-Fluorobiphenyl	79	%	71	83	15.6	77	71	8.1	30 - 130	30
% Nitrobenzene-d5	80	%	80	78	2.5	82	78	5.0	30 - 130	30
% Terphenyl-d14	76	%	78	88	12.0	93	86	7.8	30 - 130	30

QA/QC Data

SDG I.D.: GCI66823

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 582114 (ug/kg), QC Sample No: CI67150 (CI66839, CI66840, CI66841, CI66843, CI66844, CI66845)

Semivolatiles - Soil

2-Methylnaphthalene	ND	230	63	75	17.4	79	75	5.2	40 - 140	30
Acenaphthene	ND	230	74	81	9.0	87	81	7.1	30 - 130	30
Acenaphthylene	ND	130	68	76	11.1	81	76	6.4	40 - 140	30
Anthracene	ND	230	76	82	7.6	89	81	9.4	40 - 140	30
Benz(a)anthracene	ND	230	74	83	11.5	90	85	5.7	40 - 140	30
Benzo(a)pyrene	ND	130	73	80	9.2	87	80	8.4	40 - 140	30
Benzo(b)fluoranthene	ND	160	80	85	6.1	95	88	7.7	40 - 140	30
Benzo(ghi)perylene	ND	230	74	81	9.0	86	81	6.0	40 - 140	30
Benzo(k)fluoranthene	ND	230	76	85	11.2	90	82	9.3	40 - 140	30
Chrysene	ND	230	76	83	8.8	91	85	6.8	40 - 140	30
Dibenz(a,h)anthracene	ND	130	76	82	7.6	87	82	5.9	40 - 140	30
Fluoranthene	ND	230	74	81	9.0	88	83	5.8	40 - 140	30
Fluorene	ND	230	75	82	8.9	87	81	7.1	40 - 140	30
Indeno(1,2,3-cd)pyrene	ND	230	77	83	7.5	89	84	5.8	40 - 140	30
Naphthalene	ND	230	61	74	19.3	78	72	8.0	40 - 140	30
Phenanthrene	ND	130	76	81	6.4	88	82	7.1	40 - 140	30
Pyrene	ND	230	76	84	10.0	89	86	3.4	30 - 130	30
% 2-Fluorobiphenyl	78	%	68	76	11.1	83	76	8.8	30 - 130	30
% Nitrobenzene-d5	80	%	57	71	21.9	76	75	1.3	30 - 130	30
% Terphenyl-d14	77	%	72	81	11.8	87	81	7.1	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 583504 (ug/L), QC Sample No: CI73101 (CI66837, CI66842, CI66845)

Semivolatiles by SIM, PAH - SPLP

2-Methylnaphthalene	ND	0.50	52	51	1.9				30 - 130	20	
Acenaphthene	ND	0.50	53	61	14.0				30 - 130	20	
Acenaphthylene	ND	0.10	27	53	65.0				30 - 130	20	l,r
Anthracene	ND	0.10	56	64	13.3				30 - 130	20	
Benz(a)anthracene	ND	0.02	54	68	23.0				30 - 130	20	r
Benzo(a)pyrene	ND	0.02	66	69	4.4				30 - 130	20	
Benzo(b)fluoranthene	ND	0.02	88	68	25.6				30 - 130	20	r
Benzo(ghi)perylene	ND	0.02	71	64	10.4				30 - 130	20	
Benzo(k)fluoranthene	ND	0.02	76	61	21.9				30 - 130	20	r
Chrysene	ND	0.02	54	65	18.5				30 - 130	20	
Dibenz(a,h)anthracene	ND	0.02	95	73	26.2				30 - 130	20	r
Fluoranthene	ND	0.50	53	61	14.0				30 - 130	20	
Fluorene	ND	0.10	57	60	5.1				30 - 130	20	
Indeno(1,2,3-cd)pyrene	ND	0.02	83	75	10.1				30 - 130	20	
Naphthalene	ND	0.50	53	51	3.8				30 - 130	20	
Phenanthrene	ND	0.06	60	62	3.3				30 - 130	20	
Pyrene	ND	0.07	47	64	30.6				30 - 130	20	r
% 2-Fluorobiphenyl	63	%	57	58	1.7				30 - 130	20	
% Nitrobenzene-d5	66	%	54	59	8.8				30 - 130	20	
% Terphenyl-d14	68	%	60	66	9.5				30 - 130	20	

QA/QC Data

SDG I.D.: GCI66823

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.

m = This parameter is outside laboratory MS/MSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.

s = This parameter is outside laboratory Blank Surrogate specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

July 19, 2021

Monday, July 19, 2021

Criteria: CT: GAM, RC

State: CT

Sample Criteria Exceedances Report

GCI66823 - TIGHE-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CI66837	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR DEC RES (mg/kg) / APS Organics	1100	260	1000	1000	ug/Kg
CI66837	\$8100SMR	Benzo(a)pyrene	CT / RSR DEC RES (mg/kg) / Semivolatiles	1900	260	1000	1000	ug/Kg
CI66837	\$8100SMR	Benz(a)anthracene	CT / RSR DEC RES (mg/kg) / Semivolatiles	1700	260	1000	1000	ug/Kg
CI66837	\$8100SMR	Benzo(b)fluoranthene	CT / RSR DEC RES (mg/kg) / Semivolatiles	1700	260	1000	1000	ug/Kg
CI66837	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR GA,GAA (mg/kg) / APS Organics	1100	260	1000	1000	ug/Kg
CI66837	\$8100SMR	Chrysene	CT / RSR GA,GAA (mg/kg) / APS Organics	1800	260	1000	1000	ug/Kg
CI66837	\$8100SMR	Benzo(ghi)perylene	CT / RSR GA,GAA (mg/kg) / APS Organics	1300	260	1000	1000	ug/Kg
CI66837	\$8100SMR	Benzo(b)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	1700	260	1000	1000	ug/Kg
CI66837	\$8100SMR	Benzo(a)pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	1900	260	1000	1000	ug/Kg
CI66837	\$8100SMR	Benz(a)anthracene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	1700	260	1000	1000	ug/Kg
CI66837	\$8100SMR	Benzo(k)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	1500	260	1000	1000	ug/Kg
CI66842	\$8100SMR	Benzo(b)fluoranthene	CT / RSR DEC RES (mg/kg) / Semivolatiles	1300	270	1000	1000	ug/Kg
CI66842	\$8100SMR	Benz(a)anthracene	CT / RSR DEC RES (mg/kg) / Semivolatiles	2000	270	1000	1000	ug/Kg
CI66842	\$8100SMR	Benzo(a)pyrene	CT / RSR DEC RES (mg/kg) / Semivolatiles	1500	270	1000	1000	ug/Kg
CI66842	\$8100SMR	Chrysene	CT / RSR GA,GAA (mg/kg) / APS Organics	2100	270	1000	1000	ug/Kg
CI66842	\$8100SMR	Benz(a)anthracene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	2000	270	1000	1000	ug/Kg
CI66842	\$8100SMR	Benzo(a)pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	1500	270	1000	1000	ug/Kg
CI66842	\$8100SMR	Benzo(b)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	1300	270	1000	1000	ug/Kg
CI66842	\$8100SMR	Benzo(k)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	1300	270	1000	1000	ug/Kg
CI66845	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR DEC RES (mg/kg) / APS Organics	2800	280	1000	1000	ug/Kg
CI66845	\$8100SMR	Benzo(b)fluoranthene	CT / RSR DEC RES (mg/kg) / Semivolatiles	3400	280	1000	1000	ug/Kg
CI66845	\$8100SMR	Benz(a)anthracene	CT / RSR DEC RES (mg/kg) / Semivolatiles	4300	280	1000	1000	ug/Kg
CI66845	\$8100SMR	Benzo(a)pyrene	CT / RSR DEC RES (mg/kg) / Semivolatiles	4300	280	1000	1000	ug/Kg
CI66845	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR GA,GAA (mg/kg) / APS Organics	2800	280	1000	1000	ug/Kg
CI66845	\$8100SMR	Chrysene	CT / RSR GA,GAA (mg/kg) / APS Organics	4400	280	1000	1000	ug/Kg
CI66845	\$8100SMR	Benzo(ghi)perylene	CT / RSR GA,GAA (mg/kg) / APS Organics	2800	280	1000	1000	ug/Kg
CI66845	\$8100SMR	2-Methylnaphthalene	CT / RSR GA,GAA (mg/kg) / APS Organics	580	280	560	560	ug/Kg
CI66845	\$8100SMR	Benzo(a)pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	4300	280	1000	1000	ug/Kg
CI66845	\$8100SMR	Benzo(k)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	3000	280	1000	1000	ug/Kg
CI66845	\$8100SMR	Benz(a)anthracene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	4300	280	1000	1000	ug/Kg
CI66845	\$8100SMR	Fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	13000	2800	5600	5600	ug/Kg
CI66845	\$8100SMR	Pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	12000	2800	4000	4000	ug/Kg
CI66845	\$8100SMR	Phenanthrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	13000	2800	4000	4000	ug/Kg
CI66845	\$8100SMR	Benzo(b)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	3400	280	1000	1000	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedances. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedance information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc.

Client: Tighe & Bond

Project Location: MILL HILL ELEM SCHOOL

Project Number:

Laboratory Sample ID(s): CI66823-CI66845

Sampling Date(s): 7/1/2021

List RCP Methods Used (e.g., 8260, 8270, et cetera) 1311/1312, 6010, 8081, 8082, 8270, ETPH

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	<u>VPH and EPH methods only:</u> Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? See Sections: ETPH Narration, PCB Narration, SVOA Narration, SVOASIM Narration.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

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.

Authorized Signature: Rashmi Makol **Position:** Project Manager

Printed Name: Rashmi Makol **Date:** Monday, July 19, 2021

Name of Laboratory Phoenix Environmental Labs, Inc.

This certification form is to be used for RCP methods only.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

July 19, 2021

SDG I.D.: GCI66823

SDG Comments

Metals Analysis:

The client requested a shorter list of elements than the 6010 RCP list. Only Arsenic and Lead are reported as requested on the chain of custody.

8270 Semi-volatile Organics:

The client requested a short list for 8270 RCP Semivolatile. Only the PAH constituents are reported as requested on the chain-of-custody.

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 581998 (Samples: CI66824, CI66825, CI66826, CI66827, CI66828, CI66829, CI66831, CI66832, CI66833, CI66834, CI66835, CI66836, CI66837, CI66838, CI66839, CI66840, CI66841, CI66842): -----

The MS/MSD RPD exceeds the method criteria for one or more surrogates, therefore there may be variability in the reported result. (% COD (surr))

QC Batch 582168 (Samples: CI66830): -----

The blank surrogate was above criteria. (% COD (surr))(CI67044)

The LCS/LCSD RPD exceeds the method criteria for one or more surrogates, therefore there may be variability in the reported result. (% COD (surr))

Instrument:

AU-FID1 07/03/21-1

Jeff Bucko, Chemist 07/03/21

CI66830 (1X)

The initial calibration (ETPH615I) RSD for the compound list was less than 30% except for the following compounds: None. As per section 7.2.3, a discrimination check standard was run (703A004_1) and contained the following outliers: None. The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

AU-FID11 07/03/21-1

Jeff Bucko, Chemist 07/03/21

CI66843 (1X), CI66844 (1X), CI66845 (1X)

The initial calibration (ETPH621I) RSD for the compound list was less than 30% except for the following compounds: None. As per section 7.2.3, a discrimination check standard was run (703A004_1) and contained the following outliers: None. The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

AU-FID11 07/06/21-1

Jeff Bucko, Chemist 07/06/21

CI66825 (5X), CI66836 (1X), CI66837 (5X), CI66838 (1X)

The initial calibration (ETPH621I) RSD for the compound list was less than 30% except for the following compounds: None. As per section 7.2.3, a discrimination check standard was run (706A003) and contained the following outliers: None. The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

AU-FID22 07/01/21-1

Jeff Bucko, Chemist 07/01/21

CI66823 (1X), CI66828 (1X), CI66831 (1X), CI66833 (1X), CI66839 (1X), CI66840 (1X), CI66841 (1X), CI66842 (1X)

The initial calibration (ETPH601I) RSD for the compound list was less than 30% except for the following compounds: None. As per section 7.2.3, a discrimination check standard was run (701A037_1) and contained the following outliers: None.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

July 19, 2021

SDG I.D.: GCI66823

ETPH Narration

The continuing calibration %D for the compound list was less than 30% except for the following compounds: None.

AU-XL1 07/02/21-1

Jeff Bucko, Chemist 07/02/21

CI66829 (1X), CI66832 (1X)

The initial calibration (ETPH506I) RSD for the compound list was less than 30% except for the following compounds: None.
As per section 7.2.3, a discrimination check standard was run (702A003_1) and contained the following outliers: None.
The continuing calibration %D for the compound list was less than 30% except for the following compounds: None.

AU-XL2 07/02/21-1

Jeff Bucko, Chemist 07/02/21

CI66824 (1X), CI66826 (1X), CI66827 (1X), CI66834 (1X), CI66835 (1X)

The initial calibration (ETPH326I) RSD for the compound list was less than 30% except for the following compounds: None.
As per section 7.2.3, a discrimination check standard was run (702A003_1) and contained the following outliers: None.
The continuing calibration %D for the compound list was less than 30% except for the following compounds:

Samples: CI66824, CI66826, CI66827, CI66834, CI66835

Preceding CC 702A029 - None.

Succeeding CC 702A048 - % Cod (surr) 51%H (30%), % Terphenyl (surr) 61%H (30%), ETPH (C9-C36) 61%H (30%)

QC (Batch Specific):

Batch 581952 (CI66221)

CI66823

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Additional surrogate criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%. The ETPH/DRO LCS has been normalized based on the alkane calibration.

Batch 582122 (CI67016)

CI66843, CI66844, CI66845

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Additional surrogate criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%. The ETPH/DRO LCS has been normalized based on the alkane calibration.

Batch 582168 (CI67044)

CI66830

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: % COD (surr)(53.0%)

Additional surrogate criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%. The ETPH/DRO LCS has been normalized based on the alkane calibration.

QC (Site Specific):

Batch 581998 (CI66826)

CI66824, CI66825, CI66826, CI66827, CI66828, CI66829, CI66831, CI66832, CI66833, CI66834, CI66835, CI66836, CI66837, CI66838, CI66839, CI66840, CI66841, CI66842

All LCS recoveries were within 60 - 120 with the following exceptions: None.



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ETPH Narration

All LCSD recoveries were within 60 - 120 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
All MS recoveries were within 50 - 150 with the following exceptions: None.
All MSD recoveries were within 50 - 150 with the following exceptions: None.
All MS/MSD RPDs were less than 30% with the following exceptions: % COD (surr)(38.5%)
Additional surrogate criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%. The ETPH/DRO LCS has been normalized based on the alkane calibration.

ICP Metals Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.

Instrument:

ARCOS 07/08/21 08:20 Cindy Pearce, Tina Hall, Chemist 07/08/21

CI66838, CI66839, CI66840, CI66841, CI66842, CI66843, CI66844, CI66845

Additional criteria for CCV and ICSAB:

Sodium and Potassium are poor performing elements, the laboratory's in-house limits are 85-115% (CCV) and 70-130% (ICSAB). The linear range is defined daily by the calibration range.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

ARCOS 07/09/21 07:38 Tina Hall, Chemist 07/09/21

CI66823, CI66824, CI66825, CI66826, CI66827

Additional criteria for CCV and ICSAB:

Sodium and Potassium are poor performing elements, the laboratory's in-house limits are 85-115% (CCV) and 70-130% (ICSAB). The linear range is defined daily by the calibration range.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

ARCOS 07/10/21 09:08 Cindy Pearce, Chemist 07/10/21

CI66828, CI66829, CI66830, CI66831, CI66832, CI66833, CI66834, CI66835, CI66836, CI66837

Additional criteria for CCV and ICSAB:

Sodium and Potassium are poor performing elements, the laboratory's in-house limits are 85-115% (CCV) and 70-130% (ICSAB). The linear range is defined daily by the calibration range.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

BLUE 07/14/21 10:22 Cindy Pearce, Chemist 07/14/21

CI66823, CI66829, CI66835, CI66844

The initial calibration met criteria.

The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.

The continuing calibration blanks were less than the reporting level for the elements reported.

The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria. The linear range is defined daily by the calibration range.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.



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ICP Metals Narration

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.
The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 582100 (CI67133)

CI66823, CI66824, CI66825, CI66826, CI66827

All LCS recoveries were within 75 - 125 with the following exceptions: None.
All LCSD recoveries were within 75 - 125 with the following exceptions: None.
All LCS/LCSD RPDs were less than 35% with the following exceptions: None.
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

Batch 582159 (CI67390)

CI66838

All LCS recoveries were within 75 - 125 with the following exceptions: None.
All LCSD recoveries were within 75 - 125 with the following exceptions: None.
All LCS/LCSD RPDs were less than 35% with the following exceptions: None.
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

QC (Site Specific):

Batch 582101 (CI66828)

CI66828, CI66829, CI66830, CI66831, CI66832, CI66833, CI66834, CI66835, CI66836, CI66837

All LCS recoveries were within 75 - 125 with the following exceptions: None.
All LCSD recoveries were within 75 - 125 with the following exceptions: None.
All LCS/LCSD RPDs were less than 35% with the following exceptions: None.
All MS recoveries were within 75 - 125 with the following exceptions: None.
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

Batch 582153 (CI66839)

CI66839, CI66840, CI66841, CI66842, CI66843, CI66844, CI66845

All LCS recoveries were within 75 - 125 with the following exceptions: None.
All LCSD recoveries were within 75 - 125 with the following exceptions: None.
All LCS/LCSD RPDs were less than 35% with the following exceptions: None.
All MS recoveries were within 75 - 125 with the following exceptions: None.
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

Batch 583388 (CI66823)

CI66823, CI66829, CI66835, CI66844

All LCS recoveries were within 80 - 120 with the following exceptions: None.
All LCSD recoveries were within 80 - 120 with the following exceptions: None.
All LCS/LCSD RPDs were less than 20% with the following exceptions: None.
All MS recoveries were within 75 - 125 with the following exceptions: None.
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

PCB Narration



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PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 581984 (Samples: CI66830, CI66831, CI66832, CI66833, CI66834, CI66835, CI66836, CI66837, CI66838, CI66839, CI66840, CI66841, CI66842, CI66843, CI66844, CI66845): -----

The blank surrogate was below criteria. (% TCMX (Surrogate Rec)(CI66830), % TCMX (Surrogate Rec) (Confirmation)(CI66830))

Instrument:

AU-ECD24 07/02/21-1

Saadia Chudary, Chemist 07/02/21

CI66829 (5X)

The initial calibration (PC604AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC604BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

AU-ECD3 07/02/21-1

Saadia Chudary, Chemist 07/02/21

CI66826 (5X), CI66830 (5X), CI66831 (5X), CI66832 (5X), CI66833 (5X), CI66834 (5X), CI66835 (5X), CI66836 (5X), CI66837 (5X), CI66838 (5X), CI66839 (5X), CI66840 (5X), CI66841 (5X), CI66842 (5X), CI66843 (5X), CI66844 (5X), CI66845 (5X)

The initial calibration (PC518AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC518BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:

Samples: CI66826, CI66832, CI66833, CI66836, CI66837, CI66840, CI66841, CI66845

Preceding CC 702B027 - None.

Succeeding CC 702B040 - TCMX SURR -19%L (15%)

AU-ECD5 07/02/21-1

Saadia Chudary, Chemist 07/02/21

CI66823 (5X), CI66824 (5X), CI66825 (5X), CI66827 (5X), CI66828 (5X)

The initial calibration (PC518AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC518BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

QC (Batch Specific):

Batch 581926 (CI63213)

CI66823, CI66824, CI66825, CI66826, CI66827, CI66828, CI66829

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

QC (Site Specific):

Batch 581984 (CI66830)

CI66830, CI66831, CI66832, CI66833, CI66834, CI66835, CI66836, CI66837, CI66838, CI66839, CI66840, CI66841, CI66842, CI66843, CI66844, CI66845

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
All MS recoveries were within 40 - 140 with the following exceptions: None.



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PCB Narration

All MSD recoveries were within 40 - 140 with the following exceptions: None.
All MS/MSD RPDs were less than 30% with the following exceptions: None.

PEST Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

AU-ECD35 07/06/21-1 Chelsey Guerette, Chemist 07/06/21

CI66833 (2X), CI66835 (1X)

The initial calibration (PS0701AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PS0701BI) RSD for the compound list was less than 20% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed 15% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed the maximum of 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 20% except for the following compounds: None.

AU-ECD35 07/07/21-1 Chelsey Guerette, Chemist 07/07/21

CI66834 (2X), CI66838 (2X)

The initial calibration (PS0701AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PS0701BI) RSD for the compound list was less than 20% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed 15% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed the maximum of 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 20% except for the following compounds: None.

AU-ECD7 07/02/21-1 Chelsey Guerette, Chemist 07/02/21

CI66843 (2X), CI66844 (2X), CI66845 (2X)

The initial calibration (PS0629AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PS0629BI) RSD for the compound list was less than 20% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed 15% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed the maximum of 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 20% except for the following compounds: None.

AU-ECD7 07/06/21-1 Chelsey Guerette, Chemist 07/06/21

CI66823 (2X), CI66824 (2X), CI66825 (2X), CI66826 (2X), CI66827 (2X), CI66828 (2X), CI66829 (2X), CI66830 (2X), CI66831 (2X), CI66832 (2X),
CI66836 (2X), CI66837 (2X), CI66839 (2X), CI66840 (2X), CI66841 (2X)

The initial calibration (PS0629AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PS0629BI) RSD for the compound list was less than 20% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed 15% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed the maximum of 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 20% except for the following compounds: None.

AU-ECD7 07/07/21-1 Chelsey Guerette, Chemist 07/07/21

CI66842 (2X)

The initial calibration (PS0629AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PS0629BI) RSD for the compound list was less than 20% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed 15% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed the maximum of 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 20% except for the following compounds: None.



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PEST Narration

QC (Batch Specific):

Batch 581919 (CI66589)

CI66843, CI66844, CI66845

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Batch 582360 (CI68387)

CI66834, CI66842

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

QC (Site Specific):

Batch 582022 (CI66823)

CI66823, CI66824, CI66825, CI66826, CI66827, CI66828, CI66829, CI66830, CI66831, CI66832, CI66833, CI66835, CI66836, CI66837, CI66838, CI66839, CI66840, CI66841

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
All MS recoveries were within 30 - 150 with the following exceptions: None.
All MSD recoveries were within 30 - 150 with the following exceptions: None.
All MS/MSD RPDs were less than 30% with the following exceptions: None.

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 582357 (Samples: CI66842): -----

The LCS/LCSD recovery is acceptable. One or more analytes in the site specific matrix spike recovery is below the method criteria, therefore a low bias is likely. (Benz(a)anthracene, Chrysene, Fluoranthene, Phenanthrene, Pyrene)

Instrument:

CHEM07 07/02/21-1

Matt Richard, Chemist 07/02/21

CI66839 (1X), CI66840 (1X), CI66841 (1X), CI66843 (1X), CI66844 (1X), CI66845 (1X)

For 8270 full list, the DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.

For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

Initial Calibration Evaluation (CHEM07/7_SPLIT_0623):

100% of target compounds met criteria.

The following compounds had %RSDs >20%: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet a minimum response factors: None.



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SVOA Narration

Continuing Calibration Verification (CHEM07/0702_03-7_SPLIT_0623):

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

100% of target compounds met criteria.

The following compounds did not meet % deviation criteria: None.

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet minimum response factors: None.

CHEM19 07/02/21-1

Wes Bryon, Chemist 07/02/21

CI66823 (1X), CI66824 (1X), CI66825 (1X), CI66826 (1X), CI66827 (1X), CI66828 (1X), CI66829 (1X), CI66830 (1X), CI66831 (1X), CI66832 (1X), CI66833 (1X), CI66834 (1X), CI66835 (1X), CI66836 (1X), CI66837 (1X), CI66838 (1X)

For 8270 full list, the DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.

For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

Initial Calibration Evaluation (CHEM19/19_BN_0504):

100% of target compounds met criteria.

The following compounds had %RSDs >20%: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM19/0702_03-19_BN_0504):

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

100% of target compounds met criteria.

The following compounds did not meet % deviation criteria: None.

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet minimum response factors: None.

CHEM19 07/06/21-1

Matt Richard, Chemist 07/06/21

CI66842 (1X)

For 8270 full list, the DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.

For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

Initial Calibration Evaluation (CHEM19/19_BN_0504):

100% of target compounds met criteria.

The following compounds had %RSDs >20%: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM19/0706_03-19_BN_0504):

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

100% of target compounds met criteria.

The following compounds did not meet % deviation criteria: None.

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet minimum response factors: None.

CHEM29 07/06/21-1

Wes Bryon, Chemist 07/06/21



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SVOA Narration

CI66845 (10X)

For 8270 full list, the DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.

For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

Initial Calibration Evaluation (CHEM29/29_SPLIT_0622):

100% of target compounds met criteria.

The following compounds had %RSDs >20%: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM29/0706_03-29_SPLIT_0622):

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

99% of target compounds met criteria.

The following compounds did not meet % deviation criteria: None.

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 582114 (CI67150)

CI66839, CI66840, CI66841, CI66843, CI66844, CI66845

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QC (Site Specific):

Batch 581985 (CI66823)

CI66823, CI66824, CI66825, CI66826, CI66827, CI66828, CI66829, CI66830, CI66831, CI66832, CI66833, CI66834, CI66835, CI66836, CI66837, CI66838

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

Batch 582357 (CI66842)

CI66842

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: Benz(a)anthracene(38%), Chrysene(37%),



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SVOA Narration

Fluoranthene(<10%), Phenanthrene(<10%), Pyrene(<10%)
All MSD recoveries were within 40 - 140 with the following exceptions: Benz(a)anthracene(34%), Chrysene(33%),
Fluoranthene(<10%), Phenanthrene(<10%), Pyrene(<10%)
All MS/MSD RPDs were less than 30% with the following exceptions: None.
A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD
compounds are within criteria.
Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid
surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

SVOASIM Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 583504 (Samples: CI66837, CI66842, CI66845): -----

The LCS and/or the LCSD recovery is below the method criteria. All of the other QC is acceptable, therefore no significant bias is suspected. (Acenaphthylene)

The LCS/LCSD RPD exceeds the method criteria for one or more analytes, but these analytes were not reported in the sample(s) so no variability is suspected. (Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene)

The LCS/LCSD RPD exceeds the method criteria for one or more analytes, therefore there may be variability in the reported result. (Acenaphthylene, Benz(a)anthracene, Pyrene)

Instrument:

CHEM25 07/15/21-1 Wes Bryon, Chemist 07/15/21

CI66837 (1X), CI66842 (1X), CI66845 (1X)

For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

Initial Calibration Evaluation (CHEM25/25_BNSIM18_0630):

100% of target compounds met criteria.

The following compounds had %RSDs >20%: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM25/0715_03-25_BNSIM18_0630):

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

100% of target compounds met criteria.

The following compounds did not meet % deviation criteria: None.

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 583504 (CI73101)

CI66837, CI66842, CI66845

All LCS recoveries were within 30 - 130 with the following exceptions: Acenaphthylene(27%)



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SVOASIM Narration

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: Acenaphthylene(65.0%), Benz(a)anthracene(23.0%), Benzo(b)fluoranthene(25.6%), Benzo(k)fluoranthene(21.9%), Dibenz(a,h)anthracene(26.2%), Pyrene(30.6%)

Additional 8270 criteria:20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QC (Site Specific):

Batch 581985 (CI66823)

CI66823, CI66824, CI66825, CI66826, CI66827, CI66828, CI66829, CI66830, CI66831, CI66832, CI66833, CI66834, CI66835, CI66836, CI66837, CI66838

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: None.

All MSD recoveries were within 40 - 140 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

Additional 8270 criteria:20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

Batch 582357 (CI66842)

CI66842

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 40 - 140 with the following exceptions: Benz(a)anthracene(38%), Chrysene(37%), Fluoranthene(<10%), Phenanthrene(<10%), Pyrene(<10%)

All MSD recoveries were within 40 - 140 with the following exceptions: Benz(a)anthracene(34%), Chrysene(33%), Fluoranthene(<10%), Phenanthrene(<10%), Pyrene(<10%)

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

Additional 8270 criteria:20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

Temperature Narration

The samples were received at 2.3C with cooling initiated.

(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Cooler: Yes ☒ No ☐
Coolant: IPK ☒ ICE ☐
Temp 23°C Pg 2 of 2

Data Delivery/Contact Options:

Fax: ☐
Phone: ☐
Email: ☐

Customer:

Address: See page 1

Project:

Report to: See page 1

Invoice to:

QUOTE #

Project P.O.:

See page 1

This section MUST be completed with Bottle Quantities.

Client Sample Information - Identification

Sampler's Signature: [Signature] Date: 7/1

Matrix Code:
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe OIL=Oil
B=Bulk L=Liquid X=X (Other)

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
060835	MHS 412 (1.5)	S	7/1	11:00
060836	MHS 413 (1.5)			11:30
060837	MHS 414 (2')			11:35
060838	MHS 415 (0.5)			11:40
060839	MHS 416 (0.5)			11:45
060840	MHS 417 (1)			12:15
060841	MHS 418 (0.5)			12:20
060842	MHS 419 (1')			12:30
060843	MHS 420 (0.5)			12:40
060844	MHS 421 (1)			12:50
060845	MHS 422 (0.5)			13:00

Analysis Request	MS/MSD	GL Amber 8 oz w/3004	GL Amber 1000ml	GL Amber 250ml	PL H2SO4	PL HNO3 250ml	PL HNO3 500ml	PL H2SO4	PL HNO3 250ml	PL HNO3 500ml	Bacteria Bottle w/100ml	Bacteria Bottle w/500ml
ETP	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	X
PAHs	X	X	X	X	X	X	X	X	X	X	X	X
PCBs	X	X	X	X	X	X	X	X	X	X	X	

Sarah Bell

From: Jill L. Libby <JLLibby@tigheBond.com>
Sent: Tuesday, July 13, 2021 9:02 AM
To: Sarah Bell
Cc: Brian Sirowich
Subject: Add-Ons Mill Hill

Good Morning Sarah,
Could I please get the following add-ons for Standard TAT?
Thanks,
Jill

SPLP Pesticides:

MHS 426
18 in
7/2/2021
CI67322
GCI67319

SPLP PAHs

MHB 414	MHB 419	MHS 422
2 ft	1 ft	0.5 ft
7/1/2021	7/1/2021	7/1/2021
CI66837	CI66842	CI66845
GCI66823	GCI66823	GCI66823

SPLP Arsenic:

MHS 430	0.5 ft	7/2/2021	CI67327	GCI67319
MHS 401	1.5 ft	7/1/2021	CI66823	GCI66823
MHS 412	1.5 ft	7/1/2021	CI66835	GCI66823
MHS 407	1.5 ft	7/1/2021	CI66829	GCI66823
MHS 426	18 in	7/2/2021	CI67322	GCI67319
MHS 424	18 in	7/2/2021	CI67320	GCI67319

SPLP Lead

MHS 412	1.5 ft	7/1/2021	CI66835	GCi66823
MHB 421	1 ft	7/1/2021	CI66844	GCi66823
MHS 431	0.5 ft	7/2/2021	CI67328	GCi67319
MHS 430	0.5 ft	7/2/2021	CI67327	GCi67319
MHS 424	18 in	7/2/2021	CI67320	GCi67319
MHS 426	18 in	7/2/2021	CI67322	GCi67319

Jill Libby | Project Environmental Scientist II

Tighe & Bond | One University Avenue, Suite 100 | Westwood, MA 02090 | Cell: 315-436-8260 (cell)
www.tighebond.com | Follow us on: [Twitter](#) [Facebook](#) [LinkedIn](#)





Monday, July 19, 2021

Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Project ID: MILL HILL ELEM SCHOOL
SDG ID: GCI67319
Sample ID#s: CI67319 - CI67330

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Sample Id Cross Reference

July 19, 2021

SDG I.D.: GCI67319

Project ID: MILL HILL ELEM SCHOOL

Client Id	Lab Id	Matrix
MHS 423 (2`)	CI67319	SOIL
MHS 424 (18`)	CI67320	SOIL
MHS 425 (3`)	CI67321	SOIL
MHS 426 (18`)	CI67322	SOIL
MHS 427 (3`)	CI67323	SOIL
MHS 427D (3`)	CI67324	SOIL
MHS 428 (0.5`)	CI67325	SOIL
MHS 429 (1`)	CI67326	SOIL
MHS 430 (0.5`)	CI67327	SOIL
MHS 431 (0.5`)	CI67328	SOIL
MHS 432 (0.5`)	CI67329	SOIL
MHS 433 (0.5`)	CI67330	SOIL



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

07/02/21
07/02/21

Time

9:30
14:49

Laboratory Data

SDG ID: GCI67319
Phoenix ID: CI67319

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 423 (2')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	4.96	0.88	mg/Kg	1	07/11/21	CPP	SW6010D
Lead	8.73	0.44	mg/Kg	1	07/11/21	CPP	SW6010D
Percent Solid	79		%		07/02/21	KL	SW846-%Solid
Soil Extraction for Pesticide	Completed				07/02/21	L/E	SW3545A
Extraction of ETPH	Completed				07/02/21	I/E	SW3546
Soil Extraction for SVOA PAH	Completed				07/02/21	R/Z	SW3546
Extraction for PCB	Completed				07/02/21	S/KL	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	63	mg/Kg	1	07/04/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/04/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	55		%	1	07/04/21	JRB	50 - 150 %
% Terphenyl (surr)	68		%	1	07/04/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	200	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1221	ND	200	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1232	ND	200	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1242	ND	200	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1248	ND	200	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1254	ND	200	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1260	ND	200	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1262	ND	200	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1268	ND	200	ug/Kg	5	07/07/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	72		%	5	07/07/21	SC	30 - 150 %
% DCBP (Confirmation)	65		%	5	07/07/21	SC	30 - 150 %
% TCMX	66		%	5	07/07/21	SC	30 - 150 %
% TCMX (Confirmation)	66		%	5	07/07/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.7	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDE	ND	1.7	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDT	ND	1.7	ug/Kg	2	07/07/21	CG	SW8081B
a-BHC	ND	1.7	ug/Kg	2	07/07/21	CG	SW8081B
Alachlor	ND	8.3	ug/Kg	2	07/07/21	CG	SW8081B
Aldrin	ND	1.7	ug/Kg	2	07/07/21	CG	SW8081B
b-BHC	ND	1.7	ug/Kg	2	07/07/21	CG	SW8081B
Chlordane	ND	41	ug/Kg	2	07/07/21	CG	SW8081B
d-BHC	ND	1.7	ug/Kg	2	07/07/21	CG	SW8081B
Dieldrin	ND	4.1	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan I	ND	8.3	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan II	ND	8.3	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan sulfate	ND	8.3	ug/Kg	2	07/07/21	CG	SW8081B
Endrin	ND	8.3	ug/Kg	2	07/07/21	CG	SW8081B
Endrin aldehyde	ND	8.3	ug/Kg	2	07/07/21	CG	SW8081B
Endrin ketone	ND	8.3	ug/Kg	2	07/07/21	CG	SW8081B
g-BHC	ND	1.7	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor	ND	8.3	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor epoxide	ND	8.3	ug/Kg	2	07/07/21	CG	SW8081B
Methoxychlor	ND	41	ug/Kg	2	07/07/21	CG	SW8081B
Toxaphene	ND	170	ug/Kg	2	07/07/21	CG	SW8081B

QA/QC Surrogates

% DCBP	58		%	2	07/07/21	CG	30 - 150 %
% DCBP (Confirmation)	55		%	2	07/07/21	CG	30 - 150 %
% TCMX	55		%	2	07/07/21	CG	30 - 150 %
% TCMX (Confirmation)	56		%	2	07/07/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	290	ug/Kg	1	07/03/21	WB	SW8270D
Acenaphthene	ND	290	ug/Kg	1	07/03/21	WB	SW8270D
Acenaphthylene	ND	290	ug/Kg	1	07/03/21	WB	SW8270D
Anthracene	ND	290	ug/Kg	1	07/03/21	WB	SW8270D
Benz(a)anthracene	ND	290	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(a)pyrene	ND	290	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(b)fluoranthene	ND	290	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(ghi)perylene	ND	290	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(k)fluoranthene	ND	290	ug/Kg	1	07/03/21	WB	SW8270D
Chrysene	ND	290	ug/Kg	1	07/03/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	290	ug/Kg	1	07/03/21	WB	SW8270D
Fluoranthene	ND	290	ug/Kg	1	07/03/21	WB	SW8270D
Fluorene	ND	290	ug/Kg	1	07/03/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	290	ug/Kg	1	07/03/21	WB	SW8270D
Naphthalene	ND	290	ug/Kg	1	07/03/21	WB	SW8270D
Phenanthrene	ND	290	ug/Kg	1	07/03/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	ND	290	ug/Kg	1	07/03/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	75		%	1	07/03/21	WB	30 - 130 %
% Nitrobenzene-d5	77		%	1	07/03/21	WB	30 - 130 %
% Terphenyl-d14	94		%	1	07/03/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

07/02/21 9:32
07/02/21 14:49

Time

Laboratory Data

SDG ID: GCI67319
Phoenix ID: CI67320

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 424 (18`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	6.97	0.87	mg/Kg	1	07/11/21	CPP	SW6010D
Lead	25.6	0.43	mg/Kg	1	07/11/21	CPP	SW6010D
SPLP Arsenic	< 0.004	0.004	mg/L	1	07/14/21	CPP	SW6010D
SPLP Lead	< 0.010	0.010	mg/L	1	07/14/21	CPP	SW6010D
SPLP Metals Digestion	Completed				07/14/21	AB/AB	SW3010A
Percent Solid	75		%		07/02/21	KL	SW846-%Solid
Soil Extraction for Pesticide	Completed				07/02/21	L/E	SW3545A
Extraction of ETPH	Completed				07/02/21	I/E	SW3546
Soil Extraction for SVOA PAH	Completed				07/02/21	R/Z	SW3546
Extraction for PCB	Completed				07/07/21	H/KL	SW3540C
SPLP Extraction for Metals	Completed				07/13/21	AB	SW1312
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	330	mg/Kg	5	07/07/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	5	07/07/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	71	%	5	07/07/21	JRB	50 - 150 %
% Terphenyl (surr)	71	%	5	07/07/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	220	ug/Kg	5	07/08/21	SC	SW8082A
PCB-1221	ND	220	ug/Kg	5	07/08/21	SC	SW8082A
PCB-1232	ND	220	ug/Kg	5	07/08/21	SC	SW8082A
PCB-1242	ND	220	ug/Kg	5	07/08/21	SC	SW8082A
PCB-1248	ND	220	ug/Kg	5	07/08/21	SC	SW8082A
PCB-1254	ND	220	ug/Kg	5	07/08/21	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1260	ND	220	ug/Kg	5	07/08/21	SC	SW8082A
PCB-1262	ND	220	ug/Kg	5	07/08/21	SC	SW8082A
PCB-1268	ND	220	ug/Kg	5	07/08/21	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	99		%	5	07/08/21	SC	30 - 150 %
% DCBP (Confirmation)	107		%	5	07/08/21	SC	30 - 150 %
% TCMX	94		%	5	07/08/21	SC	30 - 150 %
% TCMX (Confirmation)	95		%	5	07/08/21	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.8	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDE	ND	1.8	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDT	ND	1.8	ug/Kg	2	07/07/21	CG	SW8081B
a-BHC	ND	1.8	ug/Kg	2	07/07/21	CG	SW8081B
Alachlor	ND	8.8	ug/Kg	2	07/07/21	CG	SW8081B
Aldrin	ND	1.8	ug/Kg	2	07/07/21	CG	SW8081B
b-BHC	ND	1.8	ug/Kg	2	07/07/21	CG	SW8081B
Chlordane	ND	44	ug/Kg	2	07/07/21	CG	SW8081B
d-BHC	ND	1.8	ug/Kg	2	07/07/21	CG	SW8081B
Dieldrin	ND	4.4	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan I	ND	8.8	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan II	ND	8.8	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan sulfate	ND	8.8	ug/Kg	2	07/07/21	CG	SW8081B
Endrin	ND	8.8	ug/Kg	2	07/07/21	CG	SW8081B
Endrin aldehyde	ND	8.8	ug/Kg	2	07/07/21	CG	SW8081B
Endrin ketone	ND	8.8	ug/Kg	2	07/07/21	CG	SW8081B
g-BHC	ND	1.8	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor	ND	8.8	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor epoxide	ND	8.8	ug/Kg	2	07/07/21	CG	SW8081B
Methoxychlor	ND	44	ug/Kg	2	07/07/21	CG	SW8081B
Toxaphene	ND	180	ug/Kg	2	07/07/21	CG	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	57		%	2	07/07/21	CG	30 - 150 %
% DCBP (Confirmation)	55		%	2	07/07/21	CG	30 - 150 %
% TCMX	56		%	2	07/07/21	CG	30 - 150 %
% TCMX (Confirmation)	55		%	2	07/07/21	CG	30 - 150 %
<u>Polynuclear Aromatic HC</u>							
2-Methylnaphthalene	ND	310	ug/Kg	1	07/03/21	WB	SW8270D
Acenaphthene	ND	310	ug/Kg	1	07/03/21	WB	SW8270D
Acenaphthylene	330	310	ug/Kg	1	07/03/21	WB	SW8270D
Anthracene	ND	310	ug/Kg	1	07/03/21	WB	SW8270D
Benz(a)anthracene	570	310	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(a)pyrene	700	310	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(b)fluoranthene	640	310	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(ghi)perylene	410	310	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(k)fluoranthene	630	310	ug/Kg	1	07/03/21	WB	SW8270D
Chrysene	630	310	ug/Kg	1	07/03/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	310	ug/Kg	1	07/03/21	WB	SW8270D
Fluoranthene	1100	310	ug/Kg	1	07/03/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fluorene	ND	310	ug/Kg	1	07/03/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	460	310	ug/Kg	1	07/03/21	WB	SW8270D
Naphthalene	ND	310	ug/Kg	1	07/03/21	WB	SW8270D
Phenanthrene	440	310	ug/Kg	1	07/03/21	WB	SW8270D
Pyrene	1100	310	ug/Kg	1	07/03/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	75		%	1	07/03/21	WB	30 - 130 %
% Nitrobenzene-d5	81		%	1	07/03/21	WB	30 - 130 %
% Terphenyl-d14	88		%	1	07/03/21	WB	30 - 130 %

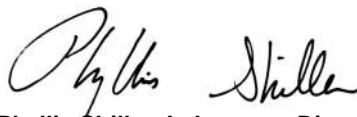
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

07/02/21 9:34
07/02/21 14:49

Time

Laboratory Data

SDG ID: GCI67319
Phoenix ID: CI67321

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 425 (3')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	3.85	0.85	mg/Kg	1	07/11/21	CPP	SW6010D
Lead	8.62	0.42	mg/Kg	1	07/11/21	CPP	SW6010D
Percent Solid	82		%		07/02/21	KL	SW846-%Solid
Soil Extraction for Pesticide	Completed				07/02/21	L/E	SW3545A
Extraction of ETPH	Completed				07/02/21	I/E	SW3546
Soil Extraction for SVOA PAH	Completed				07/02/21	R/Z	SW3546
Extraction for PCB	Completed				07/02/21	S/KL	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	60	mg/Kg	1	07/04/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/04/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	59		%	1	07/04/21	JRB	50 - 150 %
% Terphenyl (surr)	65		%	1	07/04/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1221	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1232	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1242	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1248	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1254	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1260	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1262	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1268	ND	200	ug/Kg	5	07/06/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	61		%	5	07/06/21	SC	30 - 150 %
% DCBP (Confirmation)	61		%	5	07/06/21	SC	30 - 150 %
% TCMX	46		%	5	07/06/21	SC	30 - 150 %
% TCMX (Confirmation)	45		%	5	07/06/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDE	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDT	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
a-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Alachlor	ND	8.0	ug/Kg	2	07/07/21	CG	SW8081B
Aldrin	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
b-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Chlordane	ND	40	ug/Kg	2	07/07/21	CG	SW8081B
d-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Dieldrin	ND	4.0	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan I	ND	8.0	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan II	ND	8.0	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan sulfate	ND	8.0	ug/Kg	2	07/07/21	CG	SW8081B
Endrin	ND	8.0	ug/Kg	2	07/07/21	CG	SW8081B
Endrin aldehyde	ND	8.0	ug/Kg	2	07/07/21	CG	SW8081B
Endrin ketone	ND	8.0	ug/Kg	2	07/07/21	CG	SW8081B
g-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor	ND	8.0	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor epoxide	ND	8.0	ug/Kg	2	07/07/21	CG	SW8081B
Methoxychlor	ND	40	ug/Kg	2	07/07/21	CG	SW8081B
Toxaphene	ND	160	ug/Kg	2	07/07/21	CG	SW8081B

QA/QC Surrogates

% DCBP	69		%	2	07/07/21	CG	30 - 150 %
% DCBP (Confirmation)	63		%	2	07/07/21	CG	30 - 150 %
% TCMX	65		%	2	07/07/21	CG	30 - 150 %
% TCMX (Confirmation)	65		%	2	07/07/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D
Acenaphthene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D
Acenaphthylene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D
Anthracene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D
Benz(a)anthracene	380	280	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(a)pyrene	360	280	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(b)fluoranthene	310	280	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(ghi)perylene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(k)fluoranthene	300	280	ug/Kg	1	07/03/21	WB	SW8270D
Chrysene	390	280	ug/Kg	1	07/03/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D
Fluoranthene	1000	280	ug/Kg	1	07/03/21	WB	SW8270D
Fluorene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D
Naphthalene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D
Phenanthrene	800	280	ug/Kg	1	07/03/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	990	280	ug/Kg	1	07/03/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	77		%	1	07/03/21	WB	30 - 130 %
% Nitrobenzene-d5	82		%	1	07/03/21	WB	30 - 130 %
% Terphenyl-d14	93		%	1	07/03/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

07/02/21 9:40
07/02/21 14:49

Time

Laboratory Data

SDG ID: GCI67319
Phoenix ID: CI67322

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 426 (18`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	6.86	0.87	mg/Kg	1	07/11/21	CPP	SW6010D
Lead	26.5	0.43	mg/Kg	1	07/11/21	CPP	SW6010D
SPLP Arsenic	< 0.004	0.004	mg/L	1	07/14/21	CPP	SW6010D
SPLP Lead	< 0.010	0.010	mg/L	1	07/14/21	CPP	SW6010D
SPLP Metals Digestion	Completed				07/14/21	AB/AB	SW3010A
Percent Solid	81		%		07/02/21	KL	SW846-%Solid
Soil Extraction for Pesticide	Completed				07/02/21	L/E	SW3545A
Extraction of ETPH	Completed				07/02/21	I/E	SW3546
Soil Extraction for SVOA PAH	Completed				07/02/21	R/Z	SW3546
Extraction for PCB	Completed				07/02/21	S/KL	SW3540C
SPLP Extraction for Metals	Completed				07/13/21	AB	SW1312
SPLP Extraction for Organics	Completed				07/13/21	AB	SW1312
SPLP Pesticides Ext.	Completed				07/15/21	A/CC	SW3510C
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	310	mg/Kg	5	07/07/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	5	07/07/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	83	%	5	07/07/21	JRB	50 - 150 %
% Terphenyl (surr)	85	%	5	07/07/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1221	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1232	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1242	ND	200	ug/Kg	5	07/06/21	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1248	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1254	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1260	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1262	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1268	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	73		%	5	07/06/21	SC	30 - 150 %
% DCBP (Confirmation)	71		%	5	07/06/21	SC	30 - 150 %
% TCMX	64		%	5	07/06/21	SC	30 - 150 %
% TCMX (Confirmation)	64		%	5	07/06/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDE	4.9	1.6	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDT	7.8	1.6	ug/Kg	2	07/06/21	CG	SW8081B
a-BHC	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
Alachlor	ND	8.2	ug/Kg	2	07/06/21	CG	SW8081B
Aldrin	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
b-BHC	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
Chlordane	ND	41	ug/Kg	2	07/06/21	CG	SW8081B
d-BHC	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
Dieldrin	ND	4.1	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan I	ND	8.2	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan II	ND	8.2	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan sulfate	ND	8.2	ug/Kg	2	07/06/21	CG	SW8081B
Endrin	ND	8.2	ug/Kg	2	07/06/21	CG	SW8081B
Endrin aldehyde	ND	8.2	ug/Kg	2	07/06/21	CG	SW8081B
Endrin ketone	ND	8.2	ug/Kg	2	07/06/21	CG	SW8081B
g-BHC	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor	ND	8.2	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor epoxide	ND	8.2	ug/Kg	2	07/06/21	CG	SW8081B
Methoxychlor	ND	41	ug/Kg	2	07/06/21	CG	SW8081B
Toxaphene	ND	160	ug/Kg	2	07/06/21	CG	SW8081B

QA/QC Surrogates

% DCBP	71		%	2	07/06/21	CG	30 - 150 %
% DCBP (Confirmation)	74		%	2	07/06/21	CG	30 - 150 %
% TCMX	66		%	2	07/06/21	CG	30 - 150 %
% TCMX (Confirmation)	69		%	2	07/06/21	CG	30 - 150 %

SPLP Pesticides

4,4' -DDD	ND	0.005	ug/L	1	07/16/21	CG	SW8081B
4,4' -DDE	ND	0.005	ug/L	1	07/16/21	CG	SW8081B
4,4' -DDT	ND	0.005	ug/L	1	07/16/21	CG	SW8081B
a-BHC	ND	0.005	ug/L	1	07/16/21	CG	SW8081B
Alachlor	ND	0.010	ug/L	1	07/16/21	CG	SW8081B
Aldrin	ND	0.003	ug/L	1	07/16/21	CG	SW8081B
b-BHC	ND	0.005	ug/L	1	07/16/21	CG	SW8081B
Chlordane	ND	0.050	ug/L	1	07/16/21	CG	SW8081B
d-BHC	ND	0.005	ug/L	1	07/16/21	CG	SW8081B
Dieldrin	ND	0.002	ug/L	1	07/16/21	CG	SW8081B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Endosulfan I	ND	0.005	ug/L	1	07/16/21	CG	SW8081B
Endosulfan II	ND	0.005	ug/L	1	07/16/21	CG	SW8081B
Endosulfan sulfate	ND	0.005	ug/L	1	07/16/21	CG	SW8081B
Endrin	ND	0.005	ug/L	1	07/16/21	CG	SW8081B
Endrin aldehyde	ND	0.005	ug/L	1	07/16/21	CG	SW8081B
Endrin Ketone	ND	0.005	ug/L	1	07/16/21	CG	SW8081B
g-BHC	ND	0.005	ug/L	1	07/16/21	CG	SW8081B
Heptachlor	ND	0.005	ug/L	1	07/16/21	CG	SW8081B
Heptachlor epoxide	ND	0.005	ug/L	1	07/16/21	CG	SW8081B
Methoxychlor	ND	0.005	ug/L	1	07/16/21	CG	SW8081B
Toxaphene	ND	0.20	ug/L	1	07/16/21	CG	SW8081B
<u>QA/QC Surrogates</u>							
%DCBP (Surrogate Rec)	64		%	1	07/16/21	CG	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	30		%	1	07/16/21	CG	30 - 150 %
%TCMX (Surrogate Rec)	88		%	1	07/16/21	CG	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	79		%	1	07/16/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D
Acenaphthene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D
Acenaphthylene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D
Anthracene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D
Benz(a)anthracene	480	280	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(a)pyrene	570	280	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(b)fluoranthene	540	280	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(ghi)perylene	370	280	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(k)fluoranthene	530	280	ug/Kg	1	07/03/21	WB	SW8270D
Chrysene	550	280	ug/Kg	1	07/03/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D
Fluoranthene	950	280	ug/Kg	1	07/03/21	WB	SW8270D
Fluorene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	420	280	ug/Kg	1	07/03/21	WB	SW8270D
Naphthalene	ND	280	ug/Kg	1	07/03/21	WB	SW8270D
Phenanthrene	380	280	ug/Kg	1	07/03/21	WB	SW8270D
Pyrene	960	280	ug/Kg	1	07/03/21	WB	SW8270D

<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	70		%	1	07/03/21	WB	30 - 130 %
% Nitrobenzene-d5	75		%	1	07/03/21	WB	30 - 130 %
% Terphenyl-d14	85		%	1	07/03/21	WB	30 - 130 %

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 426 (18')

Phoenix I.D.: CI67322

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

07/02/21 9:44
07/02/21 14:49

Time

Laboratory Data

SDG ID: GCI67319
Phoenix ID: CI67323

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 427 (3')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	3.34	0.72	mg/Kg	1	07/11/21	CPP	SW6010D
Lead	9.87	0.36	mg/Kg	1	07/11/21	CPP	SW6010D
Percent Solid	83		%		07/02/21	KL	SW846-%Solid
Soil Extraction for Pesticide	Completed				07/02/21	L/E	SW3545A
Extraction of ETPH	Completed				07/02/21	I/E	SW3546
Soil Extraction for SVOA PAH	Completed				07/02/21	R/Z	SW3546
Extraction for PCB	Completed				07/02/21	S/KL	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	59	mg/Kg	1	07/04/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/04/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	85		%	1	07/04/21	JRB	50 - 150 %
% Terphenyl (surr)	76		%	1	07/04/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	200	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1221	ND	200	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1232	ND	200	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1242	ND	200	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1248	ND	200	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1254	ND	200	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1260	ND	200	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1262	ND	200	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1268	ND	200	ug/Kg	5	07/07/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	59		%	5	07/07/21	SC	30 - 150 %
% DCBP (Confirmation)	68		%	5	07/07/21	SC	30 - 150 %
% TCMX	57		%	5	07/07/21	SC	30 - 150 %
% TCMX (Confirmation)	71		%	5	07/07/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDE	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDT	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
a-BHC	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
Alachlor	ND	7.9	ug/Kg	2	07/06/21	CG	SW8081B
Aldrin	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
b-BHC	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
Chlordane	ND	40	ug/Kg	2	07/06/21	CG	SW8081B
d-BHC	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
Dieldrin	ND	4.0	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan I	ND	7.9	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan II	ND	7.9	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan sulfate	ND	7.9	ug/Kg	2	07/06/21	CG	SW8081B
Endrin	ND	7.9	ug/Kg	2	07/06/21	CG	SW8081B
Endrin aldehyde	ND	7.9	ug/Kg	2	07/06/21	CG	SW8081B
Endrin ketone	ND	7.9	ug/Kg	2	07/06/21	CG	SW8081B
g-BHC	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor	ND	7.9	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor epoxide	ND	7.9	ug/Kg	2	07/06/21	CG	SW8081B
Methoxychlor	ND	40	ug/Kg	2	07/06/21	CG	SW8081B
Toxaphene	ND	160	ug/Kg	2	07/06/21	CG	SW8081B

QA/QC Surrogates

% DCBP	64		%	2	07/06/21	CG	30 - 150 %
% DCBP (Confirmation)	72		%	2	07/06/21	CG	30 - 150 %
% TCMX	60		%	2	07/06/21	CG	30 - 150 %
% TCMX (Confirmation)	68		%	2	07/06/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Acenaphthene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Anthracene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Chrysene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Fluoranthene	270	270	ug/Kg	1	07/03/21	WB	SW8270D
Fluorene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Naphthalene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
Phenanthrene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	ND	270	ug/Kg	1	07/03/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	76		%	1	07/03/21	WB	30 - 130 %
% Nitrobenzene-d5	82		%	1	07/03/21	WB	30 - 130 %
% Terphenyl-d14	93		%	1	07/03/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

07/02/21
07/02/21

Time

9:45
14:49

Laboratory Data

SDG ID: GCI67319
Phoenix ID: CI67324

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 427D (3')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	4.46	0.79	mg/Kg	1	07/11/21	CPP	SW6010D
Lead	14.6	0.40	mg/Kg	1	07/11/21	CPP	SW6010D
Percent Solid	81		%		07/02/21	KL	SW846-%Solid
Soil Extraction for Pesticide	Completed				07/02/21	L/E	SW3545A
Extraction of ETPH	Completed				07/02/21	I/E	SW3546
Soil Extraction for SVOA PAH	Completed				07/02/21	R/K	SW3546
Extraction for PCB	Completed				07/02/21	S/KL	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	60	mg/Kg	1	07/04/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/04/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	65		%	1	07/04/21	JRB	50 - 150 %
% Terphenyl (surr)	65		%	1	07/04/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1221	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1232	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1242	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1248	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1254	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1260	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1262	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1268	ND	200	ug/Kg	5	07/06/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	63		%	5	07/06/21	SC	30 - 150 %
% DCBP (Confirmation)	66		%	5	07/06/21	SC	30 - 150 %
% TCMX	50		%	5	07/06/21	SC	30 - 150 %
% TCMX (Confirmation)	54		%	5	07/06/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDE	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDT	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
a-BHC	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
Alachlor	ND	8.1	ug/Kg	2	07/06/21	CG	SW8081B
Aldrin	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
b-BHC	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
Chlordane	ND	41	ug/Kg	2	07/06/21	CG	SW8081B
d-BHC	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
Dieldrin	ND	4.1	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan I	ND	8.1	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan II	ND	8.1	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan sulfate	ND	8.1	ug/Kg	2	07/06/21	CG	SW8081B
Endrin	ND	8.1	ug/Kg	2	07/06/21	CG	SW8081B
Endrin aldehyde	ND	8.1	ug/Kg	2	07/06/21	CG	SW8081B
Endrin ketone	ND	8.1	ug/Kg	2	07/06/21	CG	SW8081B
g-BHC	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor	ND	8.1	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor epoxide	ND	8.1	ug/Kg	2	07/06/21	CG	SW8081B
Methoxychlor	ND	41	ug/Kg	2	07/06/21	CG	SW8081B
Toxaphene	ND	160	ug/Kg	2	07/06/21	CG	SW8081B

QA/QC Surrogates

% DCBP	48		%	2	07/06/21	CG	30 - 150 %
% DCBP (Confirmation)	41		%	2	07/06/21	CG	30 - 150 %
% TCMX	42		%	2	07/06/21	CG	30 - 150 %
% TCMX (Confirmation)	41		%	2	07/06/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	280	ug/Kg	1	07/06/21	WB	SW8270D
Acenaphthene	ND	280	ug/Kg	1	07/06/21	WB	SW8270D
Acenaphthylene	ND	280	ug/Kg	1	07/06/21	WB	SW8270D
Anthracene	ND	280	ug/Kg	1	07/06/21	WB	SW8270D
Benz(a)anthracene	ND	280	ug/Kg	1	07/06/21	WB	SW8270D
Benzo(a)pyrene	310	280	ug/Kg	1	07/06/21	WB	SW8270D
Benzo(b)fluoranthene	ND	280	ug/Kg	1	07/06/21	WB	SW8270D
Benzo(ghi)perylene	390	280	ug/Kg	1	07/06/21	WB	SW8270D
Benzo(k)fluoranthene	ND	280	ug/Kg	1	07/06/21	WB	SW8270D
Chrysene	ND	280	ug/Kg	1	07/06/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	07/06/21	WB	SW8270D
Fluoranthene	470	280	ug/Kg	1	07/06/21	WB	SW8270D
Fluorene	ND	280	ug/Kg	1	07/06/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	330	280	ug/Kg	1	07/06/21	WB	SW8270D
Naphthalene	ND	280	ug/Kg	1	07/06/21	WB	SW8270D
Phenanthrene	ND	280	ug/Kg	1	07/06/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	450	280	ug/Kg	1	07/06/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	80		%	1	07/06/21	WB	30 - 130 %
% Nitrobenzene-d5	80		%	1	07/06/21	WB	30 - 130 %
% Terphenyl-d14	90		%	1	07/06/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

07/02/21 9:50
07/02/21 14:49

Time

Laboratory Data

SDG ID: GCI67319
Phoenix ID: CI67325

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 428 (0.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	3.87	0.94	mg/Kg	1	07/11/21	CPP	SW6010D
Lead	15.4	0.47	mg/Kg	1	07/11/21	CPP	SW6010D
Percent Solid	63		%		07/02/21	KL	SW846-%Solid
Soil Extraction for Pesticide	Completed				07/02/21	L/E	SW3545A
Extraction of ETPH	Completed				07/02/21	I/E	SW3546
Soil Extraction for SVOA PAH	Completed				07/02/21	R/K	SW3546
Extraction for PCB	Completed				07/02/21	S/KL	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	120	mg/Kg	1	07/04/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/04/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	55		%	1	07/04/21	JRB	50 - 150 %
% Terphenyl (surr)	62		%	1	07/04/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	260	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1221	ND	260	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1232	ND	260	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1242	ND	260	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1248	ND	260	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1254	ND	260	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1260	ND	260	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1262	ND	260	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1268	ND	260	ug/Kg	5	07/07/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	71		%	5	07/07/21	SC	30 - 150 %
% DCBP (Confirmation)	66		%	5	07/07/21	SC	30 - 150 %
% TCMX	65		%	5	07/07/21	SC	30 - 150 %
% TCMX (Confirmation)	65		%	5	07/07/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	2.1	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDE	ND	2.1	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDT	ND	2.1	ug/Kg	2	07/06/21	CG	SW8081B
a-BHC	ND	2	ug/Kg	2	07/06/21	CG	SW8081B
Alachlor	ND	10	ug/Kg	2	07/06/21	CG	SW8081B
Aldrin	ND	2	ug/Kg	2	07/06/21	CG	SW8081B
b-BHC	ND	2	ug/Kg	2	07/06/21	CG	SW8081B
Chlordane	ND	52	ug/Kg	2	07/06/21	CG	SW8081B
d-BHC	ND	2	ug/Kg	2	07/06/21	CG	SW8081B
Dieldrin	ND	5.2	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan I	ND	10	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan II	ND	10	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan sulfate	ND	10	ug/Kg	2	07/06/21	CG	SW8081B
Endrin	ND	10	ug/Kg	2	07/06/21	CG	SW8081B
Endrin aldehyde	ND	10	ug/Kg	2	07/06/21	CG	SW8081B
Endrin ketone	ND	10	ug/Kg	2	07/06/21	CG	SW8081B
g-BHC	ND	2.1	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor	ND	10	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor epoxide	ND	10	ug/Kg	2	07/06/21	CG	SW8081B
Methoxychlor	ND	52	ug/Kg	2	07/06/21	CG	SW8081B
Toxaphene	ND	210	ug/Kg	2	07/06/21	CG	SW8081B

QA/QC Surrogates

% DCBP	45		%	2	07/06/21	CG	30 - 150 %
% DCBP (Confirmation)	42		%	2	07/06/21	CG	30 - 150 %
% TCMX	44		%	2	07/06/21	CG	30 - 150 %
% TCMX (Confirmation)	43		%	2	07/06/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	360	ug/Kg	1	07/06/21	WB	SW8270D
Acenaphthene	ND	360	ug/Kg	1	07/06/21	WB	SW8270D
Acenaphthylene	ND	360	ug/Kg	1	07/06/21	WB	SW8270D
Anthracene	ND	360	ug/Kg	1	07/06/21	WB	SW8270D
Benz(a)anthracene	ND	360	ug/Kg	1	07/06/21	WB	SW8270D
Benzo(a)pyrene	ND	360	ug/Kg	1	07/06/21	WB	SW8270D
Benzo(b)fluoranthene	ND	360	ug/Kg	1	07/06/21	WB	SW8270D
Benzo(ghi)perylene	ND	360	ug/Kg	1	07/06/21	WB	SW8270D
Benzo(k)fluoranthene	ND	360	ug/Kg	1	07/06/21	WB	SW8270D
Chrysene	ND	360	ug/Kg	1	07/06/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	360	ug/Kg	1	07/06/21	WB	SW8270D
Fluoranthene	ND	360	ug/Kg	1	07/06/21	WB	SW8270D
Fluorene	ND	360	ug/Kg	1	07/06/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	360	ug/Kg	1	07/06/21	WB	SW8270D
Naphthalene	ND	360	ug/Kg	1	07/06/21	WB	SW8270D
Phenanthrene	ND	360	ug/Kg	1	07/06/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	ND	360	ug/Kg	1	07/06/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	61		%	1	07/06/21	WB	30 - 130 %
% Nitrobenzene-d5	79		%	1	07/06/21	WB	30 - 130 %
% Terphenyl-d14	77		%	1	07/06/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date Time

07/02/21 10:00
07/02/21 14:49

Laboratory Data

SDG ID: GCI67319
Phoenix ID: CI67326

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 429 (1')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	3.06	0.73	mg/Kg	1	07/11/21	CPP	SW6010D
Lead	11.3	0.37	mg/Kg	1	07/11/21	CPP	SW6010D
Percent Solid	83		%		07/02/21	KL	SW846-%Solid
Soil Extraction for Pesticide	Completed				07/02/21	L/E	SW3545A
Extraction of ETPH	Completed				07/02/21	I/E	SW3546
Soil Extraction for SVOA PAH	Completed				07/02/21	R/K	SW3546
Extraction for PCB	Completed				07/02/21	S/KL	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	60	mg/Kg	1	07/06/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/06/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	66		%	1	07/06/21	JRB	50 - 150 %
% Terphenyl (surr)	77		%	1	07/06/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1221	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1232	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1242	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1248	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1254	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1260	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1262	ND	200	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1268	ND	200	ug/Kg	5	07/06/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	91		%	5	07/06/21	SC	30 - 150 %
% DCBP (Confirmation)	93		%	5	07/06/21	SC	30 - 150 %
% TCMX	79		%	5	07/06/21	SC	30 - 150 %
% TCMX (Confirmation)	83		%	5	07/06/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDE	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
4,4' -DDT	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
a-BHC	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
Alachlor	ND	7.8	ug/Kg	2	07/06/21	CG	SW8081B
Aldrin	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
b-BHC	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
Chlordane	ND	39	ug/Kg	2	07/06/21	CG	SW8081B
d-BHC	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
Dieldrin	ND	3.9	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan I	ND	7.8	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan II	ND	7.8	ug/Kg	2	07/06/21	CG	SW8081B
Endosulfan sulfate	ND	7.8	ug/Kg	2	07/06/21	CG	SW8081B
Endrin	ND	7.8	ug/Kg	2	07/06/21	CG	SW8081B
Endrin aldehyde	ND	7.8	ug/Kg	2	07/06/21	CG	SW8081B
Endrin ketone	ND	7.8	ug/Kg	2	07/06/21	CG	SW8081B
g-BHC	ND	1.6	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor	ND	7.8	ug/Kg	2	07/06/21	CG	SW8081B
Heptachlor epoxide	ND	7.8	ug/Kg	2	07/06/21	CG	SW8081B
Methoxychlor	ND	39	ug/Kg	2	07/06/21	CG	SW8081B
Toxaphene	ND	160	ug/Kg	2	07/06/21	CG	SW8081B

QA/QC Surrogates

% DCBP	50		%	2	07/06/21	CG	30 - 150 %
% DCBP (Confirmation)	46		%	2	07/06/21	CG	30 - 150 %
% TCMX	46		%	2	07/06/21	CG	30 - 150 %
% TCMX (Confirmation)	45		%	2	07/06/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D
Acenaphthene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D
Anthracene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D
Chrysene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D
Fluoranthene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D
Fluorene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D
Naphthalene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D
Phenanthrene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	70		%	1	07/05/21	WB	30 - 130 %
% Nitrobenzene-d5	69		%	1	07/05/21	WB	30 - 130 %
% Terphenyl-d14	83		%	1	07/05/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

07/02/21 10:05
07/02/21 14:49

Time

Laboratory Data

SDG ID: GCI67319
Phoenix ID: CI67327

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 430 (0.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	5.33	0.79	mg/Kg	1	07/11/21	CPP	SW6010D
Lead	22.0	0.40	mg/Kg	1	07/11/21	CPP	SW6010D
SPLP Arsenic	< 0.004	0.004	mg/L	1	07/14/21	CPP	SW6010D
SPLP Lead	< 0.010	0.010	mg/L	1	07/14/21	CPP	SW6010D
SPLP Metals Digestion	Completed				07/14/21	AB/AB	SW3010A
Percent Solid	77		%		07/02/21	KL	SW846-%Solid
Soil Extraction for Pesticide	Completed				07/08/21	L/K	SW3545A
Extraction of ETPH	Completed				07/02/21	I/E	SW3546
Soil Extraction for SVOA PAH	Completed				07/02/21	R/K	SW3546
Extraction for PCB	Completed				07/02/21	S/KL	SW3540C
SPLP Extraction for Metals	Completed				07/13/21	AB	SW1312
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	63	mg/Kg	1	07/04/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/04/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	61	%	1	07/04/21	JRB	50 - 150 %
% Terphenyl (surr)	63	%	1	07/04/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	210	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1221	ND	210	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1232	ND	210	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1242	ND	210	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1248	ND	210	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1254	ND	210	ug/Kg	5	07/06/21	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1260	ND	210	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1262	ND	210	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1268	ND	210	ug/Kg	5	07/06/21	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	99		%	5	07/06/21	SC	30 - 150 %
% DCBP (Confirmation)	100		%	5	07/06/21	SC	30 - 150 %
% TCMX	82		%	5	07/06/21	SC	30 - 150 %
% TCMX (Confirmation)	89		%	5	07/06/21	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.7	ug/Kg	2	07/09/21	CG	SW8081B
4,4' -DDE	ND	1.7	ug/Kg	2	07/09/21	CG	SW8081B
4,4' -DDT	ND	1.7	ug/Kg	2	07/09/21	CG	SW8081B
a-BHC	ND	1.7	ug/Kg	2	07/09/21	CG	SW8081B
Alachlor	ND	8.6	ug/Kg	2	07/09/21	CG	SW8081B
Aldrin	ND	1.7	ug/Kg	2	07/09/21	CG	SW8081B
b-BHC	ND	1.7	ug/Kg	2	07/09/21	CG	SW8081B
Chlordane	ND	43	ug/Kg	2	07/09/21	CG	SW8081B
d-BHC	ND	1.7	ug/Kg	2	07/09/21	CG	SW8081B
Dieldrin	ND	4.3	ug/Kg	2	07/09/21	CG	SW8081B
Endosulfan I	ND	8.6	ug/Kg	2	07/09/21	CG	SW8081B
Endosulfan II	ND	8.6	ug/Kg	2	07/09/21	CG	SW8081B
Endosulfan sulfate	ND	8.6	ug/Kg	2	07/09/21	CG	SW8081B
Endrin	ND	8.6	ug/Kg	2	07/09/21	CG	SW8081B
Endrin aldehyde	ND	8.6	ug/Kg	2	07/09/21	CG	SW8081B
Endrin ketone	ND	8.6	ug/Kg	2	07/09/21	CG	SW8081B
g-BHC	ND	1.7	ug/Kg	2	07/09/21	CG	SW8081B
Heptachlor	ND	8.6	ug/Kg	2	07/09/21	CG	SW8081B
Heptachlor epoxide	ND	8.6	ug/Kg	2	07/09/21	CG	SW8081B
Methoxychlor	ND	43	ug/Kg	2	07/09/21	CG	SW8081B
Toxaphene	ND	170	ug/Kg	2	07/09/21	CG	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	28		%	2	07/09/21	CG	30 - 150 %
% DCBP (Confirmation)	29		%	2	07/09/21	CG	30 - 150 %
% TCMX	26		%	2	07/09/21	CG	30 - 150 %
% TCMX (Confirmation)	28		%	2	07/09/21	CG	30 - 150 %
<u>Polynuclear Aromatic HC</u>							
2-Methylnaphthalene	ND	300	ug/Kg	1	07/05/21	WB	SW8270D
Acenaphthene	ND	300	ug/Kg	1	07/05/21	WB	SW8270D
Acenaphthylene	ND	300	ug/Kg	1	07/05/21	WB	SW8270D
Anthracene	ND	300	ug/Kg	1	07/05/21	WB	SW8270D
Benz(a)anthracene	ND	300	ug/Kg	1	07/05/21	WB	SW8270D
Benzo(a)pyrene	ND	300	ug/Kg	1	07/05/21	WB	SW8270D
Benzo(b)fluoranthene	ND	300	ug/Kg	1	07/05/21	WB	SW8270D
Benzo(ghi)perylene	ND	300	ug/Kg	1	07/05/21	WB	SW8270D
Benzo(k)fluoranthene	ND	300	ug/Kg	1	07/05/21	WB	SW8270D
Chrysene	ND	300	ug/Kg	1	07/05/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	300	ug/Kg	1	07/05/21	WB	SW8270D
Fluoranthene	370	300	ug/Kg	1	07/05/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fluorene	ND	300	ug/Kg	1	07/05/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	300	ug/Kg	1	07/05/21	WB	SW8270D
Naphthalene	ND	300	ug/Kg	1	07/05/21	WB	SW8270D
Phenanthrene	ND	300	ug/Kg	1	07/05/21	WB	SW8270D
Pyrene	320	300	ug/Kg	1	07/05/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	73		%	1	07/05/21	WB	30 - 130 %
% Nitrobenzene-d5	76		%	1	07/05/21	WB	30 - 130 %
% Terphenyl-d14	82		%	1	07/05/21	WB	30 - 130 %

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Pesticide Comment:

Poor surrogate recovery was observed. Sample was re-extracted with similar results.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

07/02/21 10:10
07/02/21 14:49

Time

Laboratory Data

SDG ID: GCI67319
Phoenix ID: CI67328

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 431 (0.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	5.09	0.71	mg/Kg	1	07/11/21	CPP	SW6010D
Lead	20.6	0.35	mg/Kg	1	07/11/21	CPP	SW6010D
SPLP Lead	< 0.010	0.010	mg/L	1	07/14/21	CPP	SW6010D
SPLP Metals Digestion	Completed				07/14/21	AB/AB	SW3010A
Percent Solid	84		%		07/02/21	KL	SW846-%Solid
Soil Extraction for Pesticide	Completed				07/06/21	L/K	SW3545A
Extraction of ETPH	Completed				07/02/21	I/E	SW3546
Soil Extraction for SVOA PAH	Completed				07/02/21	R/K	SW3546
Extraction for PCB	Completed				07/02/21	S/KL	SW3540C
SPLP Extraction for Metals	Completed				07/13/21	AB	SW1312
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	59	mg/Kg	1	07/04/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/04/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	69	%	1	07/04/21	JRB	50 - 150 %
% Terphenyl (surr)	71	%	1	07/04/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	190	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1221	ND	190	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1232	ND	190	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1242	ND	190	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1248	ND	190	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1254	ND	190	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1260	ND	190	ug/Kg	5	07/07/21	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1262	ND	190	ug/Kg	5	07/07/21	SC	SW8082A
PCB-1268	ND	190	ug/Kg	5	07/07/21	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	103		%	5	07/07/21	SC	30 - 150 %
% DCBP (Confirmation)	100		%	5	07/07/21	SC	30 - 150 %
% TCMX	83		%	5	07/07/21	SC	30 - 150 %
% TCMX (Confirmation)	89		%	5	07/07/21	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDE	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDT	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
a-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Alachlor	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Aldrin	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
b-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Chlordane	ND	39	ug/Kg	2	07/07/21	CG	SW8081B
d-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Dieldrin	ND	3.9	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan I	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan II	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan sulfate	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Endrin	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Endrin aldehyde	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Endrin ketone	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
g-BHC	ND	1.6	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor epoxide	ND	7.8	ug/Kg	2	07/07/21	CG	SW8081B
Methoxychlor	ND	39	ug/Kg	2	07/07/21	CG	SW8081B
Toxaphene	ND	160	ug/Kg	2	07/07/21	CG	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	43		%	2	07/07/21	CG	30 - 150 %
% DCBP (Confirmation)	36		%	2	07/07/21	CG	30 - 150 %
% TCMX	40		%	2	07/07/21	CG	30 - 150 %
% TCMX (Confirmation)	38		%	2	07/07/21	CG	30 - 150 %
<u>Polynuclear Aromatic HC</u>							
2-Methylnaphthalene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D
Acenaphthene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D
Anthracene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D
Benz(a)anthracene	530	270	ug/Kg	1	07/05/21	WB	SW8270D
Benzo(a)pyrene	570	270	ug/Kg	1	07/05/21	WB	SW8270D
Benzo(b)fluoranthene	520	270	ug/Kg	1	07/05/21	WB	SW8270D
Benzo(ghi)perylene	420	270	ug/Kg	1	07/05/21	WB	SW8270D
Benzo(k)fluoranthene	440	270	ug/Kg	1	07/05/21	WB	SW8270D
Chrysene	520	270	ug/Kg	1	07/05/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D
Fluoranthene	1300	270	ug/Kg	1	07/05/21	WB	SW8270D
Fluorene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Indeno(1,2,3-cd)pyrene	450	270	ug/Kg	1	07/05/21	WB	SW8270D
Naphthalene	ND	270	ug/Kg	1	07/05/21	WB	SW8270D
Phenanthrene	810	270	ug/Kg	1	07/05/21	WB	SW8270D
Pyrene	1100	270	ug/Kg	1	07/05/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	79		%	1	07/05/21	WB	30 - 130 %
% Nitrobenzene-d5	83		%	1	07/05/21	WB	30 - 130 %
% Terphenyl-d14	86		%	1	07/05/21	WB	30 - 130 %

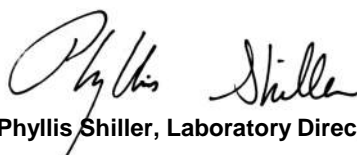
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

07/02/21 10:15
07/02/21 14:49

Time

Laboratory Data

SDG ID: GCI67319
Phoenix ID: CI67329

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 432 (0.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	3.54	0.74	mg/Kg	1	07/11/21	CPP	SW6010D
Lead	12.7	0.37	mg/Kg	1	07/11/21	CPP	SW6010D
Percent Solid	86		%		07/02/21	KL	SW846-%Solid
Soil Extraction for Pesticide	Completed				07/06/21	L/K	SW3545A
Extraction of ETPH	Completed				07/02/21	I/E	SW3546
Soil Extraction for SVOA PAH	Completed				07/02/21	R/K	SW3546
Extraction for PCB	Completed				07/02/21	S/KL	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	57	mg/Kg	1	07/04/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/04/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	59		%	1	07/04/21	JRB	50 - 150 %
% Terphenyl (surr)	61		%	1	07/04/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	190	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1221	ND	190	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1232	ND	190	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1242	ND	190	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1248	ND	190	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1254	ND	190	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1260	ND	190	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1262	ND	190	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1268	ND	190	ug/Kg	5	07/06/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	80		%	5	07/06/21	SC	30 - 150 %
% DCBP (Confirmation)	81		%	5	07/06/21	SC	30 - 150 %
% TCMX	67		%	5	07/06/21	SC	30 - 150 %
% TCMX (Confirmation)	67		%	5	07/06/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDE	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDT	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
a-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Alachlor	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Aldrin	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
b-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Chlordane	ND	38	ug/Kg	2	07/07/21	CG	SW8081B
d-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan I	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan II	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan sulfate	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Endrin	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Endrin aldehyde	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Endrin ketone	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
g-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor epoxide	ND	7.5	ug/Kg	2	07/07/21	CG	SW8081B
Methoxychlor	ND	38	ug/Kg	2	07/07/21	CG	SW8081B
Toxaphene	ND	150	ug/Kg	2	07/07/21	CG	SW8081B

QA/QC Surrogates

% DCBP	55		%	2	07/07/21	CG	30 - 150 %
% DCBP (Confirmation)	49		%	2	07/07/21	CG	30 - 150 %
% TCMX	54		%	2	07/07/21	CG	30 - 150 %
% TCMX (Confirmation)	51		%	2	07/07/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	260	ug/Kg	1	07/05/21	WB	SW8270D
Acenaphthene	ND	260	ug/Kg	1	07/05/21	WB	SW8270D
Acenaphthylene	ND	260	ug/Kg	1	07/05/21	WB	SW8270D
Anthracene	ND	260	ug/Kg	1	07/05/21	WB	SW8270D
Benz(a)anthracene	290	260	ug/Kg	1	07/05/21	WB	SW8270D
Benzo(a)pyrene	280	260	ug/Kg	1	07/05/21	WB	SW8270D
Benzo(b)fluoranthene	ND	260	ug/Kg	1	07/05/21	WB	SW8270D
Benzo(ghi)perylene	ND	260	ug/Kg	1	07/05/21	WB	SW8270D
Benzo(k)fluoranthene	ND	260	ug/Kg	1	07/05/21	WB	SW8270D
Chrysene	270	260	ug/Kg	1	07/05/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	260	ug/Kg	1	07/05/21	WB	SW8270D
Fluoranthene	680	260	ug/Kg	1	07/05/21	WB	SW8270D
Fluorene	ND	260	ug/Kg	1	07/05/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	07/05/21	WB	SW8270D
Naphthalene	ND	260	ug/Kg	1	07/05/21	WB	SW8270D
Phenanthrene	430	260	ug/Kg	1	07/05/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	570	260	ug/Kg	1	07/05/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	78		%	1	07/05/21	WB	30 - 130 %
% Nitrobenzene-d5	77		%	1	07/05/21	WB	30 - 130 %
% Terphenyl-d14	87		%	1	07/05/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: Standard
P.O.#: 150439 MILL HILL

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

07/02/21 10:30
07/02/21 14:49

Time

Laboratory Data

SDG ID: GCI67319
Phoenix ID: CI67330

Project ID: MILL HILL ELEM SCHOOL
Client ID: MHS 433 (0.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Arsenic	2.73	0.70	mg/Kg	1	07/11/21	CPP	SW6010D
Lead	9.55	0.35	mg/Kg	1	07/11/21	CPP	SW6010D
Percent Solid	86		%		07/02/21	KL	SW846-%Solid
Soil Extraction for Pesticide	Completed				07/06/21	L/E	SW3545A
Extraction of ETPH	Completed				07/02/21	I/E	SW3546
Soil Extraction for SVOA PAH	Completed				07/02/21	R/K	SW3546
Extraction for PCB	Completed				07/02/21	S/KL	SW3540C
Total Metals Digest	Completed				07/02/21	M/AG/BF	SW3050B

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	57	mg/Kg	1	07/04/21	JRB	CTETPH 8015D
Identification	ND		mg/Kg	1	07/04/21	JRB	CTETPH 8015D

QA/QC Surrogates

% COD (surr)	67		%	1	07/04/21	JRB	50 - 150 %
% Terphenyl (surr)	70		%	1	07/04/21	JRB	50 - 150 %

PCB (Soxhlet SW3540C)

PCB-1016	ND	190	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1221	ND	190	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1232	ND	190	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1242	ND	190	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1248	ND	190	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1254	ND	190	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1260	ND	190	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1262	ND	190	ug/Kg	5	07/06/21	SC	SW8082A
PCB-1268	ND	190	ug/Kg	5	07/06/21	SC	SW8082A

QA/QC Surrogates

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% DCBP	84		%	5	07/06/21	SC	30 - 150 %
% DCBP (Confirmation)	84		%	5	07/06/21	SC	30 - 150 %
% TCMX	70		%	5	07/06/21	SC	30 - 150 %
% TCMX (Confirmation)	70		%	5	07/06/21	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDE	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
4,4' -DDT	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
a-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Alachlor	ND	7.6	ug/Kg	2	07/07/21	CG	SW8081B
Aldrin	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
b-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Chlordane	ND	38	ug/Kg	2	07/07/21	CG	SW8081B
d-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Dieldrin	ND	3.8	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan I	ND	7.6	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan II	ND	7.6	ug/Kg	2	07/07/21	CG	SW8081B
Endosulfan sulfate	ND	7.6	ug/Kg	2	07/07/21	CG	SW8081B
Endrin	ND	7.6	ug/Kg	2	07/07/21	CG	SW8081B
Endrin aldehyde	ND	7.6	ug/Kg	2	07/07/21	CG	SW8081B
Endrin ketone	ND	7.6	ug/Kg	2	07/07/21	CG	SW8081B
g-BHC	ND	1.5	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor	ND	7.6	ug/Kg	2	07/07/21	CG	SW8081B
Heptachlor epoxide	ND	7.6	ug/Kg	2	07/07/21	CG	SW8081B
Methoxychlor	ND	38	ug/Kg	2	07/07/21	CG	SW8081B
Toxaphene	ND	150	ug/Kg	2	07/07/21	CG	SW8081B

QA/QC Surrogates

% DCBP	60		%	2	07/07/21	CG	30 - 150 %
% DCBP (Confirmation)	53		%	2	07/07/21	CG	30 - 150 %
% TCMX	54		%	2	07/07/21	CG	30 - 150 %
% TCMX (Confirmation)	52		%	2	07/07/21	CG	30 - 150 %

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	270	ug/Kg	1	07/06/21	WB	SW8270D
Acenaphthene	ND	270	ug/Kg	1	07/06/21	WB	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	07/06/21	WB	SW8270D
Anthracene	ND	270	ug/Kg	1	07/06/21	WB	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	07/06/21	WB	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	07/06/21	WB	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	07/06/21	WB	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	07/06/21	WB	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	07/06/21	WB	SW8270D
Chrysene	ND	270	ug/Kg	1	07/06/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	07/06/21	WB	SW8270D
Fluoranthene	520	270	ug/Kg	1	07/06/21	WB	SW8270D
Fluorene	ND	270	ug/Kg	1	07/06/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	07/06/21	WB	SW8270D
Naphthalene	ND	270	ug/Kg	1	07/06/21	WB	SW8270D
Phenanthrene	310	270	ug/Kg	1	07/06/21	WB	SW8270D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyrene	440	270	ug/Kg	1	07/06/21	WB	SW8270D
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	78		%	1	07/06/21	WB	30 - 130 %
% Nitrobenzene-d5	81		%	1	07/06/21	WB	30 - 130 %
% Terphenyl-d14	86		%	1	07/06/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

July 19, 2021

QA/QC Data

SDG I.D.: GCI67319

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 583388 (mg/L), QC Sample No: CI66823 (CI67320, CI67322, CI67327, CI67328)

ICP Metals - SPLP Extraction

Arsenic	BRL	0.004	<0.004	<0.004	NC	105	104	1.0	105			80 - 120	20
Lead	BRL	0.010	<0.010	<0.010	NC	99.8	99.2	0.6	103			80 - 120	20

Comment:

Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

QA/QC Batch 582154 (mg/kg), QC Sample No: CI67328 (CI67319, CI67320, CI67321, CI67322, CI67323, CI67324, CI67325, CI67326, CI67327, CI67328, CI67329, CI67330)

ICP Metals - Soil

Arsenic	BRL	0.67	5.09	4.47	13.0	98.6	101	2.4	90.6			75 - 125	35
Lead	BRL	0.33	20.6	19.3	6.50	98.7	99.7	1.0	93.3			75 - 125	35

Comment:

Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

July 19, 2021

QA/QC Data

SDG I.D.: GCI67319

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 582197 (mg/Kg), QC Sample No: CI67202 (CI67319, CI67320, CI67321, CI67322, CI67323, CI67324, CI67325, CI67326, CI67327, CI67328, CI67329, CI67330)

TPH by GC (Extractable Products) - Soil

Ext. Petroleum H.C. (C9-C36)	ND	50	98	100	2.0	83	82	1.2	60 - 120	30
% COD (surr)	62	%	81	85	4.8	77	111	36.2	50 - 150	30 r
% Terphenyl (surr)	70	%	79	56	34.1	99	102	3.0	50 - 150	30 r

Comment:

Additional surrogate criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%. The ETPH/DRO LCS has been normalized based on the alkane calibration.

QA/QC Batch 582138 (ug/Kg), QC Sample No: CI50911 10X (CI67319, CI67321, CI67322, CI67323, CI67324, CI67325)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	170	88	86	2.3	89	82	8.2	40 - 140	30
PCB-1221	ND	170							40 - 140	30
PCB-1232	ND	170							40 - 140	30
PCB-1242	ND	170							40 - 140	30
PCB-1248	ND	170							40 - 140	30
PCB-1254	ND	170							40 - 140	30
PCB-1260	ND	170	98	100	2.0	108	93	14.9	40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	114	%	113	117	3.5	115	126	9.1	30 - 150	30
% DCBP (Surrogate Rec) (Confirm)	100	%	101	105	3.9	93	100	7.3	30 - 150	30
% TCMX (Surrogate Rec)	100	%	106	104	1.9	99	98	1.0	30 - 150	30
% TCMX (Surrogate Rec) (Confirm)	104	%	111	107	3.7	97	103	6.0	30 - 150	30

QA/QC Batch 582577 (ug/Kg), QC Sample No: CI67320 10X (CI67320)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	170	85	90	5.7	78	94	18.6	40 - 140	30
PCB-1221	ND	170							40 - 140	30
PCB-1232	ND	170							40 - 140	30
PCB-1242	ND	170							40 - 140	30
PCB-1248	ND	170							40 - 140	30
PCB-1254	ND	170							40 - 140	30
PCB-1260	ND	170	108	113	4.5	95	112	16.4	40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	109	%	106	110	3.7	87	101	14.9	30 - 150	30
% DCBP (Surrogate Rec) (Confirm)	124	%	120	123	2.5	99	115	15.0	30 - 150	30
% TCMX (Surrogate Rec)	86	%	74	79	6.5	74	93	22.8	30 - 150	30
% TCMX (Surrogate Rec) (Confirm)	92	%	80	89	10.7	80	103	25.1	30 - 150	30

QA/QC Batch 582193 (ug/Kg), QC Sample No: CI67326 10X (CI67326, CI67327, CI67328, CI67329, CI67330)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	170	84	85	1.2	82	88	7.1	40 - 140	30
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QA/QC Data

SDG I.D.: GCI67319

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
PCB-1221	ND	170							40 - 140	30
PCB-1232	ND	170							40 - 140	30
PCB-1242	ND	170							40 - 140	30
PCB-1248	ND	170							40 - 140	30
PCB-1254	ND	170							40 - 140	30
PCB-1260	ND	170	94	95	1.1	90	98	8.5	40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	117	%	101	101	0.0	91	106	15.2	30 - 150	30
% DCBP (Surrogate Rec) (Confirm	108	%	93	94	1.1	82	96	15.7	30 - 150	30
% TCMX (Surrogate Rec)	108	%	96	98	2.1	90	101	11.5	30 - 150	30
% TCMX (Surrogate Rec) (Confirm	110	%	99	103	4.0	93	105	12.1	30 - 150	30

QA/QC Batch 582112 (ug/Kg), QC Sample No: CI66604 2X (CI67319, CI67320, CI67321, CI67322, CI67323, CI67324, CI67325, CI67326)

Pesticides - Soil

4,4' -DDD	ND	1.7	77	82	6.3	64	59	8.1	40 - 140	30
4,4' -DDE	ND	1.7	74	79	6.5	65	58	11.4	40 - 140	30
4,4' -DDT	ND	1.7	70	71	1.4	58	54	7.1	40 - 140	30
a-BHC	ND	1.0	70	77	9.5	64	54	16.9	40 - 140	30
Alachlor	ND	3.3	NA	NA	NC	NA	NA	NC	40 - 140	30
Aldrin	ND	1.0	75	80	6.5	62	57	8.4	40 - 140	30
b-BHC	ND	1.0	70	80	13.3	64	56	13.3	40 - 140	30
Chlordane	ND	33	70	74	5.6	59	54	8.8	40 - 140	30
d-BHC	ND	3.3	68	72	5.7	55	54	1.8	40 - 140	30
Dieldrin	ND	1.0	74	78	5.3	61	57	6.8	40 - 140	30
Endosulfan I	ND	3.3	87	92	5.6	73	67	8.6	40 - 140	30
Endosulfan II	ND	3.3	103	109	5.7	85	81	4.8	40 - 140	30
Endosulfan sulfate	ND	3.3	76	82	7.6	63	59	6.6	40 - 140	30
Endrin	ND	3.3	76	80	5.1	65	59	9.7	40 - 140	30
Endrin aldehyde	ND	3.3	68	72	5.7	58	56	3.5	40 - 140	30
Endrin ketone	ND	3.3	76	83	8.8	64	59	8.1	40 - 140	30
g-BHC	ND	1.0	74	79	6.5	65	58	11.4	40 - 140	30
Heptachlor	ND	3.3	76	80	5.1	67	68	1.5	40 - 140	30
Heptachlor epoxide	ND	3.3	72	77	6.7	61	56	8.5	40 - 140	30
Methoxychlor	ND	3.3	76	82	7.6	68	61	10.9	40 - 140	30
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	82	%	86	91	5.6	74	70	5.6	30 - 150	30
% DCBP (Confirmation)	79	%	85	89	4.6	70	69	1.4	30 - 150	30
% TCMX	79	%	80	86	7.2	67	61	9.4	30 - 150	30
% TCMX (Confirmation)	78	%	81	86	6.0	65	67	3.0	30 - 150	30

QA/QC Batch 582360 (ug/Kg), QC Sample No: CI68387 2X (CI67328, CI67329, CI67330)

Pesticides - Soil

4,4' -DDD	ND	1.7	67	73	8.6	50	50	0.0	40 - 140	30
4,4' -DDE	ND	1.7	65	71	8.8	49	50	2.0	40 - 140	30
4,4' -DDT	ND	1.7	64	69	7.5	47	48	2.1	40 - 140	30
a-BHC	ND	1.0	61	67	9.4	42	45	6.9	40 - 140	30
Alachlor	ND	3.3	NA	NA	NC	NA	NA	NC	40 - 140	30
Aldrin	ND	1.0	59	63	6.6	41	43	4.8	40 - 140	30
b-BHC	ND	1.0	61	64	4.8	43	43	0.0	40 - 140	30
Chlordane	ND	33	67	68	1.5	44	46	4.4	40 - 140	30
d-BHC	ND	3.3	55	59	7.0	39	40	2.5	40 - 140	30
Dieldrin	ND	1.0	76	81	6.4	53	54	1.9	40 - 140	30

QA/QC Data

SDG I.D.: GCI67319

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Endosulfan I	ND	3.3	76	80	5.1	53	55	3.7	40 - 140	30
Endosulfan II	ND	3.3	92	98	6.3	64	67	4.6	40 - 140	30
Endosulfan sulfate	ND	3.3	66	62	6.3	43	46	6.7	40 - 140	30
Endrin	ND	3.3	67	72	7.2	47	48	2.1	40 - 140	30
Endrin aldehyde	ND	3.3	52	55	5.6	39	39	0.0	40 - 140	30
Endrin ketone	ND	3.3	63	66	4.7	42	44	4.7	40 - 140	30
g-BHC	ND	1.0	59	64	8.1	41	43	4.8	40 - 140	30
Heptachlor	ND	3.3	65	69	6.0	45	46	2.2	40 - 140	30
Heptachlor epoxide	ND	3.3	61	65	6.3	42	44	4.7	40 - 140	30
Methoxychlor	ND	3.3	70	74	5.6	52	50	3.9	40 - 140	30
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	67	%	77	78	1.3	52	54	3.8	30 - 150	30
% DCBP (Confirmation)	70	%	70	70	0.0	44	45	2.2	30 - 150	30
% TCMX	66	%	74	73	1.4	49	51	4.0	30 - 150	30
% TCMX (Confirmation)	69	%	69	70	1.4	47	48	2.1	30 - 150	30

QA/QC Batch 582751 (ug/Kg), QC Sample No: CI70507 2X (CI67327)

Pesticides - Soil

4,4' -DDD	ND	1.7	57	60	5.1	51	53	3.8	40 - 140	30
4,4' -DDE	ND	1.7	56	63	11.8	54	55	1.8	40 - 140	30
4,4' -DDT	ND	1.7	53	58	9.0	55	55	0.0	40 - 140	30
a-BHC	ND	1.0	52	57	9.2	50	47	6.2	40 - 140	30
Alachlor	ND	3.3	NA	NA	NC	NA	NA	NC	40 - 140	30
Aldrin	ND	1.0	60	62	3.3	51	51	0.0	40 - 140	30
b-BHC	ND	1.0	54	60	10.5	54	57	5.4	40 - 140	30
Chlordane	ND	33	54	63	15.4	47	48	2.1	40 - 140	30
d-BHC	ND	3.3	57	62	8.4	51	50	2.0	40 - 140	30
Dieldrin	ND	1.0	57	63	10.0	50	51	2.0	40 - 140	30
Endosulfan I	ND	3.3	69	75	8.3	61	62	1.6	40 - 140	30
Endosulfan II	ND	3.3	83	89	7.0	73	75	2.7	40 - 140	30
Endosulfan sulfate	ND	3.3	60	66	9.5	53	55	3.7	40 - 140	30
Endrin	ND	3.3	51	59	14.5	51	52	1.9	40 - 140	30
Endrin aldehyde	ND	3.3	51	60	16.2	45	49	8.5	40 - 140	30
Endrin ketone	ND	3.3	64	69	7.5	54	56	3.6	40 - 140	30
g-BHC	ND	1.0	56	61	8.5	51	50	2.0	40 - 140	30
Heptachlor	ND	3.3	57	63	10.0	56	52	7.4	40 - 140	30
Heptachlor epoxide	ND	3.3	55	62	12.0	50	52	3.9	40 - 140	30
Methoxychlor	ND	3.3	57	63	10.0	53	55	3.7	40 - 140	30
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	68	%	64	71	10.4	59	61	3.3	30 - 150	30
% DCBP (Confirmation)	71	%	66	74	11.4	60	60	0.0	30 - 150	30
% TCMX	62	%	60	68	12.5	59	57	3.4	30 - 150	30
% TCMX (Confirmation)	63	%	62	70	12.1	59	57	3.4	30 - 150	30

QA/QC Batch 583662 (ug/L), QC Sample No: CI73393 (CI67322)

Pesticides

4,4' -DDD	ND	0.003	85	74	13.8				40 - 140	20
4,4' -DDE	ND	0.003	81	71	13.2				40 - 140	20
4,4' -DDT	ND	0.003	82	73	11.6				40 - 140	20
a-BHC	ND	0.002	72	64	11.8				40 - 140	20
Alachlor	ND	0.005	NA	NA	NC				40 - 140	20
Aldrin	ND	0.002	73	64	13.1				40 - 140	20
b-BHC	ND	0.002	80	83	3.7				40 - 140	20
Chlordane	ND	0.050	83	72	14.2				40 - 140	20

QA/QC Data

SDG I.D.: GCI67319

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
d-BHC	ND	0.005	47	42	11.2				40 - 140	20
Dieldrin	ND	0.002	83	72	14.2				40 - 140	20
Endosulfan I	ND	0.005	96	80	18.2				40 - 140	20
Endosulfan II	ND	0.005	135	119	12.6				40 - 140	20
Endosulfan sulfate	ND	0.005	86	75	13.7				40 - 140	20
Endrin	ND	0.005	84	73	14.0				40 - 140	20
Endrin aldehyde	ND	0.005	84	75	11.3				40 - 140	20
Endrin ketone	ND	0.005	92	82	11.5				40 - 140	20
g-BHC	ND	0.002	76	68	11.1				40 - 140	20
Heptachlor	ND	0.005	78	70	10.8				40 - 140	20
Heptachlor epoxide	ND	0.005	85	72	16.6				40 - 140	20
Methoxychlor	ND	0.005	85	77	9.9				40 - 140	20
Toxaphene	ND	0.20	NA	NA	NC				40 - 140	20
% DCBP	74	%	90	75	18.2				30 - 150	20
% DCBP (Confirmation)	42	%	44	36	20.0				30 - 150	20
% TCMX	55	%	79	79	0.0				30 - 150	20
% TCMX (Confirmation)	50	%	64	68	6.1				30 - 150	20

Comment:

A LCS and LCS duplicate were performed instead of a MS and MSD. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported as chlordane in the LCS and LCSD

QA/QC Batch 582155 (ug/kg), QC Sample No: CI67040 (CI67319, CI67320, CI67321, CI67322, CI67323)

Polynuclear Aromatic HC - Soil

2-Methylnaphthalene	ND	230	78	78	0.0	83	78	6.2	40 - 140	30
Acenaphthene	ND	230	80	82	2.5	82	81	1.2	30 - 130	30
Acenaphthylene	ND	230	77	80	3.8	80	79	1.3	40 - 140	30
Anthracene	ND	230	83	86	3.6	85	84	1.2	40 - 140	30
Benz(a)anthracene	ND	230	86	88	2.3	88	89	1.1	40 - 140	30
Benzo(a)pyrene	ND	230	88	92	4.4	90	92	2.2	40 - 140	30
Benzo(b)fluoranthene	ND	230	91	91	0.0	92	95	3.2	40 - 140	30
Benzo(ghi)perylene	ND	230	87	90	3.4	89	90	1.1	40 - 140	30
Benzo(k)fluoranthene	ND	230	83	88	5.8	88	88	0.0	40 - 140	30
Chrysene	ND	230	84	86	2.4	87	89	2.3	40 - 140	30
Dibenz(a,h)anthracene	ND	230	90	93	3.3	91	91	0.0	40 - 140	30
Fluoranthene	ND	230	86	89	3.4	87	91	4.5	40 - 140	30
Fluorene	ND	230	85	86	1.2	87	84	3.5	40 - 140	30
Indeno(1,2,3-cd)pyrene	ND	230	91	96	5.3	96	95	1.0	40 - 140	30
Naphthalene	ND	230	72	72	0.0	76	70	8.2	40 - 140	30
Phenanthrene	ND	230	79	83	4.9	83	86	3.6	40 - 140	30
Pyrene	ND	230	89	92	3.3	92	95	3.2	30 - 130	30
% 2-Fluorobiphenyl	76	%	74	77	4.0	77	73	5.3	30 - 130	30
% Nitrobenzene-d5	81	%	81	78	3.8	88	82	7.1	30 - 130	30
% Terphenyl-d14	85	%	84	88	4.7	86	79	8.5	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 582162 (ug/kg), QC Sample No: CI67329 (CI67324, CI67325, CI67326, CI67327, CI67328, CI67329, CI67330)

Polynuclear Aromatic HC - Soil

2-Methylnaphthalene	ND	230	84	83	1.2	81	82	1.2	40 - 140	30
Acenaphthene	ND	230	86	86	0.0	87	98	11.9	30 - 130	30
Acenaphthylene	ND	230	83	83	0.0	82	83	1.2	40 - 140	30
Anthracene	ND	230	88	88	0.0	90	111	20.9	40 - 140	30
Benz(a)anthracene	ND	230	91	90	1.1	90	138	42.1	40 - 140	30

QA/QC Data

SDG I.D.: GCI67319

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Benzo(a)pyrene	ND	230	94	92	2.2	94	136	36.5	40 - 140	30	r
Benzo(b)fluoranthene	ND	230	96	93	3.2	95	138	36.9	40 - 140	30	r
Benzo(ghi)perylene	ND	230	93	90	3.3	92	118	24.8	40 - 140	30	
Benzo(k)fluoranthene	ND	230	90	91	1.1	91	120	27.5	40 - 140	30	
Chrysene	ND	230	89	88	1.1	89	132	38.9	40 - 140	30	r
Dibenz(a,h)anthracene	ND	230	96	93	3.2	96	111	14.5	40 - 140	30	
Fluoranthene	ND	230	94	90	4.3	99	192	63.9	40 - 140	30	m,r
Fluorene	ND	230	91	90	1.1	91	104	13.3	40 - 140	30	
Indeno(1,2,3-cd)pyrene	ND	230	99	96	3.1	98	129	27.3	40 - 140	30	
Naphthalene	ND	230	78	79	1.3	77	77	0.0	40 - 140	30	
Phenanthrene	ND	230	87	84	3.5	90	167	59.9	40 - 140	30	m,r
Pyrene	ND	230	98	92	6.3	99	177	56.5	30 - 130	30	m,r
% 2-Fluorobiphenyl	83	%	81	83	2.4	80	80	0.0	30 - 130	30	
% Nitrobenzene-d5	82	%	83	84	1.2	83	78	6.2	30 - 130	30	
% Terphenyl-d14	94	%	93	90	3.3	87	91	4.5	30 - 130	30	

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

m = This parameter is outside laboratory MS/MSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director
July 19, 2021

Monday, July 19, 2021

Criteria: CT: GAM, RC

State: CT

Sample Criteria Exceedances Report

GCI67319 - TIGHE-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CI67322	\$PEST_SMR	4,4' -DDT	CT / RSR GA,GAA (mg/kg) / APS Organics	7.8	1.6	3	3	ug/Kg
CI67322	\$PEST_SMR	4,4' -DDE	CT / RSR GA,GAA (mg/kg) / APS Organics	4.9	1.6	3	3	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc.

Client: Tighe & Bond

Project Location: MILL HILL ELEM SCHOOL

Project Number:

Laboratory Sample ID(s): CI67319-CI67330

Sampling Date(s): 7/2/2021

List RCP Methods Used (e.g., 8260, 8270, et cetera) 1311/1312, 6010, 8081, 8082, 8270, ETPH

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	<u>VPH and EPH methods only:</u> Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? See Sections: ETPH Narration, SVOA Narration.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

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.

Authorized Signature: Rashmi Makol **Position:** Project Manager

Printed Name: Rashmi Makol **Date:** Monday, July 19, 2021

Name of Laboratory Phoenix Environmental Labs, Inc.

This certification form is to be used for RCP methods only.



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RCP Certification Report

July 19, 2021

SDG I.D.: GCI67319

SDG Comments

Metals Analysis:

The client requested a shorter list of elements than the 6010 RCP list. Only Arsenic and Lead are reported as requested on the chain of custody.

8270 Semi-volatile Organics:

The client requested a short list for 8270 RCP Semivolatile. Only the PAH constituents are reported as requested on the chain-of-custody.

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 582197 (Samples: CI67319, CI67320, CI67321, CI67322, CI67323, CI67324, CI67325, CI67326, CI67327, CI67328, CI67329, CI67330): -----

The LCS/LCSD RPD exceeds the method criteria for one or more surrogates, therefore there may be variability in the reported result. (% Terphenyl (surr))

Instrument:

AU-FID1 07/03/21-1

Jeff Bucko, Chemist 07/03/21

CI67319 (1X), CI67321 (1X), CI67323 (1X), CI67324 (1X), CI67325 (1X), CI67327 (1X), CI67328 (1X), CI67329 (1X), CI67330 (1X)

The initial calibration (ETPH615I) RSD for the compound list was less than 30% except for the following compounds: None.

As per section 7.2.3, a discrimination check standard was run (703A004_1) and contained the following outliers: None.

The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

AU-FID1 07/06/21-1

Jeff Bucko, Chemist 07/06/21

CI67326 (1X)

The initial calibration (ETPH615I) RSD for the compound list was less than 30% except for the following compounds: None.

As per section 7.2.3, a discrimination check standard was run (706A003) and contained the following outliers: None.

The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

AU-FID11 07/07/21-1

Jeff Bucko, Chemist 07/07/21

CI67320 (5X), CI67322 (5X)

The initial calibration (ETPH621I) RSD for the compound list was less than 30% except for the following compounds: None.

As per section 7.2.3, a discrimination check standard was run (707A003_1) and contained the following outliers: None.

The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

QC (Batch Specific):

Batch 582197 (CI67202)

CI67319, CI67320, CI67321, CI67322, CI67323, CI67324, CI67325, CI67326, CI67327, CI67328, CI67329, CI67330

All LCS recoveries were within 60 - 120 with the following exceptions: None.

All LCSD recoveries were within 60 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: % Terphenyl (surr)(34.1%)

Additional surrogate criteria: LCS acceptance range is 60-120% MS acceptance range 50-150%. The ETPH/DRO LCS has been normalized based on the alkane calibration.

ICP Metals Narration

Were all QA/QC performance criteria specified in the analytical method achieved? Yes.



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Certification Report

July 19, 2021

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ICP Metals Narration

Instrument:

ARCOS 07/10/21 09:08

Cindy Pearce, Chemist 07/10/21

CI67319, CI67320, CI67321, CI67322, CI67323, CI67324, CI67325, CI67326, CI67327, CI67328, CI67329, CI67330

Additional criteria for CCV and ICSAB:

Sodium and Potassium are poor performing elements, the laboratory's in-house limits are 85-115% (CCV) and 70-130% (ICSAB). The linear range is defined daily by the calibration range.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

BLUE 07/14/21 10:22

Cindy Pearce, Chemist 07/14/21

CI67320, CI67322, CI67327, CI67328

The initial calibration met criteria.

The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.

The continuing calibration blanks were less than the reporting level for the elements reported.

The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria. The linear range is defined daily by the calibration range.

The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.

The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

The following ICP Interference Check (ICSAB) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 583388 (CI66823)

CI67320, CI67322, CI67327, CI67328

All LCS recoveries were within 80 - 120 with the following exceptions: None.

All LCSD recoveries were within 80 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

QC (Site Specific):

Batch 582154 (CI67328)

CI67319, CI67320, CI67321, CI67322, CI67323, CI67324, CI67325, CI67326, CI67327, CI67328, CI67329, CI67330

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 35% with the following exceptions: None.

All MS recoveries were within 75 - 125 with the following exceptions: None.

Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

AU-ECD24 07/08/21-1

Saadia Chudary, Chemist 07/08/21

CI67320 (5X)



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PCB Narration

The initial calibration (PC604AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC604BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

AU-ECD29 07/07/21-1 Saadia Chudary, Chemist 07/07/21

CI67319 (5X), CI67325 (5X)

The initial calibration (PC607AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC607BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

AU-ECD3 07/07/21-1 Saadia Chudary, Chemist 07/07/21

CI67323 (5X)

The initial calibration (PC518AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC518BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

AU-ECD5 07/06/21-1 Saadia Chudary, Chemist 07/06/21

CI67322 (5X), CI67324 (5X), CI67326 (5X), CI67327 (5X), CI67329 (5X)

The initial calibration (PC518AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC518BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

AU-ECD5 07/07/21-1 Saadia Chudary, Chemist 07/07/21

CI67328 (5X)

The initial calibration (PC518AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC518BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

AU-ECD6 07/06/21-1 Saadia Chudary, Chemist 07/06/21

CI67321 (5X), CI67330 (5X)

The initial calibration (PC701AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC701BI) RSD for the compound list was less than 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

QC (Batch Specific):

Batch 582138 (CI50911)

CI67319, CI67321, CI67322, CI67323, CI67324, CI67325

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

QC (Site Specific):

Batch 582193 (CI67326)

CI67326, CI67327, CI67328, CI67329, CI67330

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.



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PCB Narration

All MS recoveries were within 40 - 140 with the following exceptions: None.
All MSD recoveries were within 40 - 140 with the following exceptions: None.
All MS/MSD RPDs were less than 30% with the following exceptions: None.

Batch 582577 (CI67320)

CI67320

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
All MS recoveries were within 40 - 140 with the following exceptions: None.
All MSD recoveries were within 40 - 140 with the following exceptions: None.
All MS/MSD RPDs were less than 30% with the following exceptions: None.

PEST Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

AU-ECD35 07/06/21-1 Chelsey Guerette, Chemist 07/06/21

CI67319 (2X), CI67320 (2X), CI67321 (2X), CI67322 (2X), CI67323 (2X), CI67324 (2X), CI67325 (2X), CI67326 (2X)

The initial calibration (PS0701AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PS0701BI) RSD for the compound list was less than 20% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed 15% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed the maximum of 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 20% except for the following compounds: None.

AU-ECD35 07/07/21-1 Chelsey Guerette, Chemist 07/07/21

CI67328 (2X), CI67329 (2X), CI67330 (2X)

The initial calibration (PS0701AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PS0701BI) RSD for the compound list was less than 20% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed 15% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed the maximum of 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 20% except for the following compounds: None.

AU-ECD4 07/16/21-1 Chelsey Guerette, Chemist 07/16/21

CI67322 (1X)

The initial calibration (PS0706AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PS0706BI) RSD for the compound list was less than 20% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed 15% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed the maximum of 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 20% except for the following compounds:

Samples: CI67322

Preceding CC 716B004A - b-BHC 43%H (20%)

Succeeding CC 716B017 - None.

AU-ECD7 07/08/21-2 Chelsey Guerette, Chemist 07/08/21

CI67327 (2X)

The initial calibration (PS0629AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PS0629BI) RSD for the compound list was less than 20% except for the following compounds: None.



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PEST Narration

The Endrin and DDT breakdown does not exceed 15% except for the following compounds: None.
The Endrin and DDT breakdown does not exceed the maximum of 20% except for the following compounds: None.
The continuing calibration %D for the compound list was less than 20% except for the following compounds:
Samples: CI67327
Preceding CC 708A063 - None.
Succeeding CC 708A082 - Endrin -22%L (20%)
A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

QC (Batch Specific):

Batch 582112 (CI66604)

CI67319, CI67320, CI67321, CI67322, CI67323, CI67324, CI67325, CI67326

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Batch 582360 (CI68387)

CI67328, CI67329, CI67330

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Batch 582751 (CI70507)

CI67327

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Batch 583662 (CI73393)

CI67322

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 20% with the following exceptions: None.
A LCS and LCS duplicate were performed instead of a MS and MSD. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported as chlordane in the LCS and LCSD

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

QC Batch 582162 (Samples: CI67324, CI67325, CI67326, CI67327, CI67328, CI67329, CI67330): -----

The MS and/or the MSD recovery is above the upper range, therefore a slight high bias is possible. (Fluoranthene, Phenanthrene, Pyrene)

The MS/MSD RPD exceeds the method criteria for one or more analytes, therefore there may be variability in the reported result. (Benz(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, Fluoranthene, Phenanthrene, Pyrene)



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SDG I.D.: GCI67319

SVOA Narration

Instrument:

CHEM36 07/02/21-1 Matt Richard, Chemist 07/02/21

CI67319 (1X), CI67320 (1X), CI67321 (1X), CI67322 (1X), CI67323 (1X)

Initial Calibration Evaluation (CHEM36/36_BN_0630):

100% of target compounds met criteria.

The following compounds had %RSDs >20%: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM36/0702_03-36_BN_0630):

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

100% of target compounds met criteria.

The following compounds did not meet % deviation criteria: None.

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet minimum response factors: None.

CHEM36 07/05/21-1 Matt Richard, Chemist 07/05/21

CI67324 (1X), CI67325 (1X), CI67326 (1X), CI67327 (1X), CI67328 (1X), CI67329 (1X), CI67330 (1X)

Initial Calibration Evaluation (CHEM36/36_BN_0630):

100% of target compounds met criteria.

The following compounds had %RSDs >20%: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM36/0705_03-36_BN_0630):

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

100% of target compounds met criteria.

The following compounds did not meet % deviation criteria: None.

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 582155 (CI67040)

CI67319, CI67320, CI67321, CI67322, CI67323

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QC (Site Specific):

Batch 582162 (CI67329)

CI67324, CI67325, CI67326, CI67327, CI67328, CI67329, CI67330

All LCS recoveries were within 40 - 140 with the following exceptions: None.



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SVOA Narration

All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
All MS recoveries were within 40 - 140 with the following exceptions: None.
All MSD recoveries were within 40 - 140 with the following exceptions: Fluoranthene(192%), Phenanthrene(167%), Pyrene(177%)
All MS/MSD RPDs were less than 30% with the following exceptions: Benz(a)anthracene(42.1%), Benzo(a)pyrene(36.5%), Benzo(b)fluoranthene(36.9%), Chrysene(38.9%), Fluoranthene(63.9%), Phenanthrene(59.9%), Pyrene(56.5%)
A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.
Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

Temperature Narration

The samples were received at 2.1C with cooling initiated.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Cooler: Yes ☒ No ☐
Coolant: IPK ☒ ICE ☐
Temp 2.10 °C Pg 1 of 1

Data Delivery/Contact Options:

Fax: ☐
Phone: ☐
Email: ☒ On File

Customer: Tighe & Bond, Inc.
Address: 1000 Bpt Ave
Shelton, CT
Project: Mill Hill Farm S. Good
Report to: Brian S. Jell L
Invoice to: Tighe & Bond
QUOTE # DAS RAKS
Project P.O.: 150439 Mill Hill

This section MUST be completed with Bottle Quantities.

Client Sample Information - Identification				Analysis Request	
Sampler's Signature	Date: 7/6				
Matrix Code: GW=Ground Water SW=Surface Water WW=Waste Water RW=Drinking Water SE=Sludge SL=Sludge S=Soil SD=Solid W=Wipe Oil=Oil B=Bulk L=Liquid X = (Other)					
PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	
07319	M43423(2)	S	7/2	9:30	X
07320	M43424(1)			9:32	
07321	M43425(3)			9:34	
07322	M43426(1)			9:40	
07323	M43427(3)			9:44	
07324	M43427D(3)			9:46	
07325	M43428(0.5)			9:50	
07326	M43429(1)			10:00	
07327	M43430(0.5)			10:05	
07328	M43431(0.5)			10:10	
07329	M43432(0.5)			10:15	
07330	M43433(0.5)			10:50	

MSMSD •	GL Amber 8 oz w/H3PO4	GL Soil container ()	GL Soil container ()	GL Amber 1000ml ()	PL As is ()	PL H2SO4 ()	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle with/o	Bacteria Bottle as is
	GL VOA Vials ()	GL Soil container ()	GL Soil container ()	GL Amber 1000ml ()	PL As is ()	PL H2SO4 ()	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle with/o	Bacteria Bottle as is
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Relinquished by: [Signature] Accepted by: [Signature]
Date: 7-2-13-28 Time: 1449
Date: 7/2 Time: 1449

Turnaround Time:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other

Comments, Special Requirements or Regulations:
P.B., PL 60.4(mg/kg)

MA ☐ MCP Certification ☐ RCP Cert ☐ GW-1 ☐ GW-2 ☐ GW-3 ☐ GA Mobility ☐ GB Mobility ☐ Residential DEC ☐ I/C DEC ☐ Other

CI ☒ (Residential) Direct Exposure ☐ (Comm/Industrial) Direct Exposure ☐ GA Leachability ☐ GB Leachability ☐ GA-GW Objectives ☐ GB-GW Objectives

Data Format ☐ Excel ☐ PDF ☐ GIS/Key ☐ EQuls ☒ Other (unavailable)

Other Data Package ☐ Tier II Checklist ☐ Full Data Package* ☒ Phoenix Std Report ☐ Other

State where samples were collected: CT

* SURCHARGE APPLIES

*MS/MSD are considered site samples and will be billed as such in accordance with the prices quoted.

Sarah Bell

From: Jill L. Libby <JLLibby@tigheBond.com>
Sent: Tuesday, July 13, 2021 9:02 AM
To: Sarah Bell
Cc: Brian Sirowich
Subject: Add-Ons Mill Hill

Good Morning Sarah,
Could I please get the following add-ons for Standard TAT?
Thanks,
Jill

SPLP Pesticides:

MHS 426
18 in
7/2/2021
CI67322
GCI67319

SPLP PAHs

MHB 414	MHB 419	MHS 422
2 ft	1 ft	0.5 ft
7/1/2021	7/1/2021	7/1/2021
CI66837	CI66842	CI66845
GCI66823	GCI66823	GCI66823

SPLP Arsenic:

MHS 430	0.5 ft	7/2/2021	CI67327	GCI67319
MHS 401	1.5 ft	7/1/2021	CI66823	GCI66823
MHS 412	1.5 ft	7/1/2021	CI66835	GCI66823
MHS 407	1.5 ft	7/1/2021	CI66829	GCI66823
MHS 426	18 in	7/2/2021	CI67322	GCI67319
MHS 424	18 in	7/2/2021	CI67320	GCI67319

SPLP Lead

MHS 412	1.5 ft	7/1/2021	CI66835	GCI66823
MHB 421	1 ft	7/1/2021	CI66844	GCI66823
MHS 431	0.5 ft	7/2/2021	CI67328	GCI67319
MHS 430	0.5 ft	7/2/2021	CI67327	GCI67319
MHS 424	18 in	7/2/2021	CI67320	GCI67319
MHS 426	18 in	7/2/2021	CI67322	GCI67319

Jill Libby | Project Environmental Scientist II
Tighe & Bond | One University Avenue, Suite 100 | Westwood, MA 02090 | Cell: 315-436-8260 (cell)
www.tighebond.com | Follow us on: [Twitter](#) [Facebook](#) [LinkedIn](#)





Monday, July 19, 2021

Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Project ID: MILL HILL
SDG ID: GCI75185
Sample ID#s: CI75185 - CI75186

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Sample Id Cross Reference

July 19, 2021

SDG I.D.: GCI75185

Project ID: MILL HILL

Client Id	Lab Id	Matrix
MHS 501 (0-2`)	CI75185	SOIL
MHB 502 (3`)	CI75186	SOIL



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: 24 Hour
P.O.#: 150439MH

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

07/15/21 8:15
07/15/21 16:57

Time

Laboratory Data

SDG ID: GCI75185
Phoenix ID: CI75185

Project ID: MILL HILL
Client ID: MHS 501 (0-2')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	83		%		07/15/21	AR	SW846-%Solid
Soil Extraction for SVOA PAH	Completed				07/15/21	R/K	SW3546

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	280	ug/Kg	1	07/16/21	WB	SW8270D
Acenaphthene	ND	280	ug/Kg	1	07/16/21	WB	SW8270D
Acenaphthylene	ND	280	ug/Kg	1	07/16/21	WB	SW8270D
Anthracene	ND	280	ug/Kg	1	07/16/21	WB	SW8270D
Benz(a)anthracene	ND	280	ug/Kg	1	07/16/21	WB	SW8270D
Benzo(a)pyrene	ND	280	ug/Kg	1	07/16/21	WB	SW8270D
Benzo(b)fluoranthene	ND	280	ug/Kg	1	07/16/21	WB	SW8270D
Benzo(ghi)perylene	ND	280	ug/Kg	1	07/16/21	WB	SW8270D
Benzo(k)fluoranthene	ND	280	ug/Kg	1	07/16/21	WB	SW8270D
Chrysene	ND	280	ug/Kg	1	07/16/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	280	ug/Kg	1	07/16/21	WB	SW8270D
Fluoranthene	ND	280	ug/Kg	1	07/16/21	WB	SW8270D
Fluorene	ND	280	ug/Kg	1	07/16/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	280	ug/Kg	1	07/16/21	WB	SW8270D
Naphthalene	ND	280	ug/Kg	1	07/16/21	WB	SW8270D
Phenanthrene	ND	280	ug/Kg	1	07/16/21	WB	SW8270D
Pyrene	ND	280	ug/Kg	1	07/16/21	WB	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl	80	%	1	07/16/21	WB	30 - 130 %
% Nitrobenzene-d5	71	%	1	07/16/21	WB	30 - 130 %
% Terphenyl-d14	93	%	1	07/16/21	WB	30 - 130 %

Project ID: MILL HILL
Client ID: MHS 501 (0-2')

Phoenix I.D.: CI75185

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 19, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: 24 Hour
P.O.#: 150439MH

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

07/15/21

Time

8:16

07/15/21

16:57

Laboratory Data

SDG ID: GCI75185
Phoenix ID: CI75186

Project ID: MILL HILL
Client ID: MHB 502 (3')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	87		%		07/15/21	AR	SW846-%Solid
Soil Extraction for SVOA PAH	Completed				07/15/21	R/K	SW3546

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	270	ug/Kg	1	07/16/21	WB	SW8270D
Acenaphthene	ND	270	ug/Kg	1	07/16/21	WB	SW8270D
Acenaphthylene	1600	270	ug/Kg	1	07/16/21	WB	SW8270D
Anthracene	2100	270	ug/Kg	1	07/16/21	WB	SW8270D
Benz(a)anthracene	4300	270	ug/Kg	1	07/16/21	WB	SW8270D
Benzo(a)pyrene	3300	270	ug/Kg	1	07/16/21	WB	SW8270D
Benzo(b)fluoranthene	3800	270	ug/Kg	1	07/16/21	WB	SW8270D
Benzo(ghi)perylene	2700	270	ug/Kg	1	07/16/21	WB	SW8270D
Benzo(k)fluoranthene	2600	270	ug/Kg	1	07/16/21	WB	SW8270D
Chrysene	3500	270	ug/Kg	1	07/16/21	WB	SW8270D
Dibenz(a,h)anthracene	540	270	ug/Kg	1	07/16/21	WB	SW8270D
Fluoranthene	16000	2700	ug/Kg	10	07/16/21	WB	SW8270D
Fluorene	1300	270	ug/Kg	1	07/16/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	3100	270	ug/Kg	1	07/16/21	WB	SW8270D
Naphthalene	300	270	ug/Kg	1	07/16/21	WB	SW8270D
Phenanthrene	14000	2700	ug/Kg	10	07/16/21	WB	SW8270D
Pyrene	12000	2700	ug/Kg	10	07/16/21	WB	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl	82		%	1	07/16/21	WB	30 - 130 %
% Nitrobenzene-d5	67		%	1	07/16/21	WB	30 - 130 %
% Terphenyl-d14	99		%	1	07/16/21	WB	30 - 130 %
% 2-Fluorobiphenyl (10x)	Diluted Out		%	10	07/16/21	WB	30 - 130 %
% Nitrobenzene-d5 (10x)	Diluted Out		%	10	07/16/21	WB	30 - 130 %

Project ID: MILL HILL
Client ID: MHB 502 (3')

Phoenix I.D.: CI75186

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Terphenyl-d14 (10x)	Diluted Out		%	10	07/16/21	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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Phyllis Shiller, Laboratory Director

July 19, 2021

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

July 19, 2021

QA/QC Data

SDG I.D.: GCI75185


Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 583726 (ug/kg), QC Sample No: CI75220 (CI75185, CI75186)										
<u>Semivolatiles - Soil</u>										
2-Methylnaphthalene	ND	230	81	77	5.1	80	80	0.0	40 - 140	30
Acenaphthene	ND	230	89	86	3.4	89	90	1.1	30 - 130	30
Acenaphthylene	ND	130	86	83	3.6	83	84	1.2	40 - 140	30
Anthracene	ND	230	91	85	6.8	88	87	1.1	40 - 140	30
Benz(a)anthracene	ND	230	84	78	7.4	75	76	1.3	40 - 140	30
Benzo(a)pyrene	ND	130	78	74	5.3	70	71	1.4	40 - 140	30
Benzo(b)fluoranthene	ND	160	81	77	5.1	78	79	1.3	40 - 140	30
Benzo(ghi)perylene	ND	230	92	87	5.6	84	84	0.0	40 - 140	30
Benzo(k)fluoranthene	ND	230	78	72	8.0	66	68	3.0	40 - 140	30
Chrysene	ND	230	82	78	5.0	75	77	2.6	40 - 140	30
Dibenz(a,h)anthracene	ND	130	90	85	5.7	88	90	2.2	40 - 140	30
Fluoranthene	ND	230	91	86	5.6	82	80	2.5	40 - 140	30
Fluorene	ND	230	87	85	2.3	85	89	4.6	40 - 140	30
Indeno(1,2,3-cd)pyrene	ND	230	93	88	5.5	86	87	1.2	40 - 140	30
Naphthalene	ND	230	81	75	7.7	75	75	0.0	40 - 140	30
Phenanthrene	ND	130	88	82	7.1	86	86	0.0	40 - 140	30
Pyrene	ND	230	92	88	4.4	86	81	6.0	30 - 130	30
% 2-Fluorobiphenyl	80	%	86	80	7.2	79	80	1.3	30 - 130	30
% Nitrobenzene-d5	72	%	71	69	2.9	70	68	2.9	30 - 130	30
% Terphenyl-d14	86	%	92	87	5.6	92	90	2.2	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference


Phyllis Shiller, Laboratory Director
July 19, 2021

Monday, July 19, 2021

Criteria: CT: GAM, RC

State: CT

Sample Criteria Exceedances Report

GCI75185 - TIGHE-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CI75186	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR DEC RES (mg/kg) / APS Organics	3100	270	1000	1000	ug/Kg
CI75186	\$8100SMR	Benzo(b)fluoranthene	CT / RSR DEC RES (mg/kg) / Semivolatiles	3800	270	1000	1000	ug/Kg
CI75186	\$8100SMR	Benzo(a)pyrene	CT / RSR DEC RES (mg/kg) / Semivolatiles	3300	270	1000	1000	ug/Kg
CI75186	\$8100SMR	Benz(a)anthracene	CT / RSR DEC RES (mg/kg) / Semivolatiles	4300	270	1000	1000	ug/Kg
CI75186	\$8100SMR	Chrysene	CT / RSR GA,GAA (mg/kg) / APS Organics	3500	270	1000	1000	ug/Kg
CI75186	\$8100SMR	Benzo(ghi)perylene	CT / RSR GA,GAA (mg/kg) / APS Organics	2700	270	1000	1000	ug/Kg
CI75186	\$8100SMR	Indeno(1,2,3-cd)pyrene	CT / RSR GA,GAA (mg/kg) / APS Organics	3100	270	1000	1000	ug/Kg
CI75186	\$8100SMR	Benzo(k)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	2600	270	1000	1000	ug/Kg
CI75186	\$8100SMR	Benzo(b)fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	3800	270	1000	1000	ug/Kg
CI75186	\$8100SMR	Benzo(a)pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	3300	270	1000	1000	ug/Kg
CI75186	\$8100SMR	Benz(a)anthracene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	4300	270	1000	1000	ug/Kg
CI75186	\$8100SMR	Pyrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	12000	2700	4000	4000	ug/Kg
CI75186	\$8100SMR	Phenanthrene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	14000	2700	4000	4000	ug/Kg
CI75186	\$8100SMR	Fluoranthene	CT / RSR GA,GAA (mg/kg) / Semivolatiles	16000	2700	5600	5600	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedances. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedance information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc.

Client: Tighe & Bond

Project Location: MILL HILL

Project Number:

Laboratory Sample ID(s): CI75185, CI75186

Sampling Date(s): 7/15/2021

List RCP Methods Used (e.g., 8260, 8270, et cetera) 8270

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	<u>VPH and EPH methods only:</u> Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

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.

Authorized Signature:

Position: Assistant Lab Director

Printed Name: Greg Lawrence

Date: Monday, July 19, 2021

Name of Laboratory Phoenix Environmental Labs, Inc.

This certification form is to be used for RCP methods only.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

July 19, 2021

SDG I.D.: GCI75185

SDG Comments

8270 Semi-volatile Organics:

The client requested a short list for 8270 RCP Semivolatile. Only the PAH constituents are reported as requested on the chain-of-custody.

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

CHEM22 07/16/21-1

Wes Bryon, Chemist 07/16/21

CI75186 (10X)

Initial Calibration Evaluation (CHEM22/22_SPLIT_0712):

99% of target compounds met criteria.

The following compounds had %RSDs >20%: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM22/0716_03-22_SPLIT_0712):

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

100% of target compounds met criteria.

The following compounds did not meet % deviation criteria: None.

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet minimum response factors: None.

CHEM29 07/15/21-1

Matt Richard, Chemist 07/15/21

CI75185 (1X), CI75186 (1X)

For 8270 full list, the DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.

For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

Initial Calibration Evaluation (CHEM29/29_SPLIT_0708):

100% of target compounds met criteria.

The following compounds had %RSDs >20%: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM29/0715_05-29_SPLIT_0708):

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

98% of target compounds met criteria.

The following compounds did not meet % deviation criteria: None.

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 583726 (CI75220)

CI75185, CI75186



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RCP Certification Report

July 19, 2021

SDG I.D.: GCI75185

SVOA Narration

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

Temperature Narration

The samples were received at 1.5C with cooling initiated.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



Wednesday, July 21, 2021

Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Project ID: MILL HILL
SDG ID: GCI77255
Sample ID#s: CI77255

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Sample Id Cross Reference

July 21, 2021

SDG I.D.: GCI77255

Project ID: MILL HILL

Client Id	Lab Id	Matrix
MHB 503 (4)	CI77255	SOIL



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

July 21, 2021

FOR: Attn: Brian Sirowich
Tighe & Bond
213 Court St, Suite 1100
Middletown, CT 06457

Sample Information

Matrix: SOIL
Location Code: TIGHE-DAS
Rush Request: 24 Hour
P.O.#: 150439

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date

07/20/21

Time

8:30

07/20/21

15:31

Laboratory Data

SDG ID: GCI77255
Phoenix ID: CI77255

Project ID: MILL HILL
Client ID: MHB 503 (4)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	84		%		07/20/21	AR	SW846-%Solid
Soil Extraction for SVOA PAH	Completed				07/20/21	R/Z	SW3546

Polynuclear Aromatic HC

2-Methylnaphthalene	ND	270	ug/Kg	1	07/21/21	WB	SW8270D
Acenaphthene	ND	270	ug/Kg	1	07/21/21	WB	SW8270D
Acenaphthylene	ND	270	ug/Kg	1	07/21/21	WB	SW8270D
Anthracene	ND	270	ug/Kg	1	07/21/21	WB	SW8270D
Benz(a)anthracene	ND	270	ug/Kg	1	07/21/21	WB	SW8270D
Benzo(a)pyrene	ND	270	ug/Kg	1	07/21/21	WB	SW8270D
Benzo(b)fluoranthene	ND	270	ug/Kg	1	07/21/21	WB	SW8270D
Benzo(ghi)perylene	ND	270	ug/Kg	1	07/21/21	WB	SW8270D
Benzo(k)fluoranthene	ND	270	ug/Kg	1	07/21/21	WB	SW8270D
Chrysene	ND	270	ug/Kg	1	07/21/21	WB	SW8270D
Dibenz(a,h)anthracene	ND	270	ug/Kg	1	07/21/21	WB	SW8270D
Fluoranthene	ND	270	ug/Kg	1	07/21/21	WB	SW8270D
Fluorene	ND	270	ug/Kg	1	07/21/21	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	270	ug/Kg	1	07/21/21	WB	SW8270D
Naphthalene	ND	270	ug/Kg	1	07/21/21	WB	SW8270D
Phenanthrene	ND	270	ug/Kg	1	07/21/21	WB	SW8270D
Pyrene	ND	270	ug/Kg	1	07/21/21	WB	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl	82	%	1	07/21/21	WB	30 - 130 %
% Nitrobenzene-d5	65	%	1	07/21/21	WB	30 - 130 %
% Terphenyl-d14	89	%	1	07/21/21	WB	30 - 130 %

Project ID: MILL HILL
Client ID: MHB 503 (4)

Phoenix I.D.: CI77255

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
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Phyllis Shiller, Laboratory Director

July 21, 2021

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

July 21, 2021

QA/QC Data

SDG I.D.: GCI77255


Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 584230 (ug/kg), QC Sample No: CI77001 (CI77255)										
Polynuclear Aromatic HC - Soil										
2-Methylnaphthalene	ND	230	72	66	8.7	80	78	2.5	40 - 140	30
Acenaphthene	ND	230	81	72	11.8	87	86	1.2	30 - 130	30
Acenaphthylene	ND	230	76	68	11.1	82	81	1.2	40 - 140	30
Anthracene	ND	230	81	71	13.2	85	88	3.5	40 - 140	30
Benz(a)anthracene	ND	230	74	65	12.9	76	76	0.0	40 - 140	30
Benzo(a)pyrene	ND	230	70	62	12.1	72	73	1.4	40 - 140	30
Benzo(b)fluoranthene	ND	230	74	67	9.9	78	77	1.3	40 - 140	30
Benzo(ghi)perylene	ND	230	76	72	5.4	96	95	1.0	40 - 140	30
Benzo(k)fluoranthene	ND	230	69	59	15.6	65	69	6.0	40 - 140	30
Chrysene	ND	230	75	65	14.3	75	76	1.3	40 - 140	30
Dibenz(a,h)anthracene	ND	230	76	70	8.2	95	94	1.1	40 - 140	30
Fluoranthene	ND	230	83	69	18.4	77	84	8.7	40 - 140	30
Fluorene	ND	230	81	70	14.6	88	89	1.1	40 - 140	30
Indeno(1,2,3-cd)pyrene	ND	230	79	72	9.3	97	98	1.0	40 - 140	30
Naphthalene	ND	230	68	64	6.1	72	70	2.8	40 - 140	30
Phenanthrene	ND	230	81	69	16.0	84	89	5.8	40 - 140	30
Pyrene	ND	230	84	72	15.4	80	84	4.9	30 - 130	30
% 2-Fluorobiphenyl	81	%	73	68	7.1	74	72	2.7	30 - 130	30
% Nitrobenzene-d5	64	%	62	58	6.7	63	61	3.2	30 - 130	30
% Terphenyl-d14	83	%	84	71	16.8	77	83	7.5	30 - 130	30

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference


Phyllis Shiller, Laboratory Director
July 21, 2021

Wednesday, July 21, 2021

Criteria: CT: GAM, RC

State: CT

Sample Criteria Exceedances Report

GCI77255 - TIGHE-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Phoenix Environmental Labs, Inc.

Client: Tighe & Bond

Project Location: MILL HILL

Project Number:

Laboratory Sample ID(s): CI77255

Sampling Date(s): 7/20/2021

List RCP Methods Used (e.g., 8260, 8270, et cetera) 8270

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	<u>VPH and EPH methods only:</u> Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". This form may not be altered and all questions must be answered.

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.

Authorized Signature:

Position: Assistant Lab Director

Printed Name: Greg Lawrence

Date: Wednesday, July 21, 2021

Name of Laboratory Phoenix Environmental Labs, Inc.

This certification form is to be used for RCP methods only.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

July 21, 2021

SDG I.D.: GCI77255

SDG Comments

8270 Semi-volatile Organics:

The client requested a short list for 8270 RCP Semivolatile. Only the PAH constituents are reported as requested on the chain-of-custody.

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument:

CHEM29 07/20/21-1

Matt Richard, Chemist 07/20/21

CI77255 (1X)

For 8270 full list, the DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.

For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

Initial Calibration Evaluation (CHEM29/29_BN_0708):

100% of target compounds met criteria.

The following compounds had %RSDs >20%: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM29/0720_08-29_BN_0708):

Internal standard areas were within 50 to 200% of the initial calibration with the following exceptions: None.

100% of target compounds met criteria.

The following compounds did not meet % deviation criteria: None.

The following compounds did not meet maximum % deviations: None.

The following compounds did not meet recommended response factors: None.

The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 584230 (CI77001)

CI77255

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

Temperature Narration

The samples were received at 2.9C with cooling initiated.

(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2537576

Date	Time	Scale
In:06/28/2021	08:57:51	CECT
Out:06/28/2021	08:57:51	CECT

	Lbs.	Tns
Manifest:1881224	Gross: 79,520	39.76
Vehicle:58911A	Tare: 29,980	14.99
Decal:	Net: 49,540	24.77

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881224

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824 203-256-3010		Mill Hill 635 Mill Hill Terrace Fairfield CT 06825 <i>Lombard 58911A</i>		
2. GENERATOR'S PHONE	3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE 203 752-2558 ()	TRANSPORTER'S PLATE NUMBER 58911A
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE 000 000-0000 ()	TRANSPORTER'S PLATE NUMBER	
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		C. FACILITY'S PHONE (860) 747-8888
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS		
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		NO. TYPE TOTAL QUANTITY UNIT WT/VOL		
b.		001 DT 00020 T		
c.				
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57		
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION				
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.				
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME John Marsilio		SIGNATURE <i>John Marsilio</i>		MONTH DAY YEAR 6 24 21
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME Mark Tamele		SIGNATURE <i>Mark Tamele</i>		MONTH DAY YEAR 6 28 21
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 24.77 TON'S		SIGNATURE		MONTH DAY YEAR
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.				
PRINTED/TYPED NAME Mark		SIGNATURE <i>Mark</i>		MONTH DAY YEAR 6 28 21

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2539570

Date	Time	Scale
In:06/28/2021	10:00:28	CECT
Out:06/28/2021	10:00:28	CECT

	Lbs.	Tns
Manifest:1881216	Gross: 78,600	39.30
Vehicle:64213A	Tare: 30,060	15.03
Decal:	Net: 48,540	24.27

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran

#811



NON-RCRA HAZARDOUS WASTE MANIFEST

1881216

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010		3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	
4. US EPA ID NUMBER NOT APPLICABLE		A. TRANSPORTER 1'S PHONE (203 752-2558	
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX		B. TRANSPORTER 2'S PHONE (000 000-0000	
6. US EPA ID NUMBER NOT APPLICABLE		TRANSPORTER'S PLATE NUMBER 64213A	
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		C. FACILITY'S PHONE (860) 747-8888	
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		10. CONTAINERS NO. TYPE TOTAL QUANTITY UNIT WT/VOL 001 DT 00020 T	
b.		11.	
c.		12.	
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
PRINTED/TYPED NAME JOHN MARSILIO		SIGNATURE 	
MONTH DAY YEAR 6 24 21		MONTH DAY YEAR 6 28 21	
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME HENRY PEREZ		SIGNATURE 	
MONTH DAY YEAR 6 28 21		MONTH DAY YEAR 6 28 21	
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME		SIGNATURE	
MONTH DAY YEAR		MONTH DAY YEAR	
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 24.27 TON'S			
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.			
PRINTED/TYPED NAME Mark		SIGNATURE 	
MONTH DAY YEAR 6 28 21		MONTH DAY YEAR 6 28 21	

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2539576

	Date	Time	Scale
In:	06/28/2021	10:01:42	CECT
Out:	06/28/2021	10:01:42	CECT

		Lbs.	Tns
Manifest:1881217	Gross:	83,360	41.68
Vehicle:64212A	Tare:	30,360	15.18
Decal:	Net:	53,000	26.50

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881217

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010			
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC		4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203 752-2558
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX		6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (000 000-0000
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		C. FACILITY'S PHONE (860) 747-8888	
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS	11. TOTAL QUANTITY
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE		NO. 001	TYPE DT
b. Approval: 214071532 Global/Job #:1004865			
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME JOHN MARSILIO		SIGNATURE 	
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME JR		SIGNATURE 	
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 26.5 TON'S			
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.			
PRINTED/TYPED NAME Mark		SIGNATURE 	
		MONTH 6 DAY 28 YEAR 21	

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2539578

Date	Time	Scale
In:06/28/2021	10:02:48	CECT
Out:06/28/2021	10:02:48	CECT

	Lbs.	Tns
Manifest:1881219	Gross: 86,400	43.20
Vehicle:42452A	Tare: 27,640	13.82
Decal:	Net: 58,760	29.38

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881219

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825		
2. GENERATOR'S PHONE 203-256-3010	3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203 752-2558	TRANSPORTER'S PLATE NUMBER 42452-A
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (090 000-0000	TRANSPORTER'S PLATE NUMBER	
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		C. FACILITY'S PHONE (860) 747-8888
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS NO. TYPE	11. TOTAL QUANTITY	12. UNIT WT/VOL
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		001 DT	00020	T
b.				
c.				
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57		
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION				
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.				
PRINTED/TYPED NAME John Marsilio		SIGNATURE 		MONTH DAY YEAR 6 24 21
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME S. Annunzio		SIGNATURE 		MONTH DAY YEAR 6 28 21
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME		SIGNATURE		MONTH DAY YEAR
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 29.38 TON'S				
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.				
PRINTED/TYPED NAME Mark		SIGNATURE 		MONTH DAY YEAR 6 28 21

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2539596
Date Time Scale
In:06/28/2021 10:08:14 CECT
Out:06/28/2021 10:08:14 CECT

		Lbs.	Tns
Manifest:1881221	Gross:	79,600	39.80
Vehicle:56498A	Tare:	27,700	13.85
Decal:	Net:	51,900	25.95

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material
.....

Recyclable soil/rock/material

Comment:

Driver	Facility	<u>Clean Earth of Connecticut</u>
		Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881221

1. GENERATOR'S SITE ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010		3. TRANSPORTER 1'S PHONE (203) 752-2558	
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC		TRANSPORTER'S PLATE NUMBER 564 98-A	
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX		6. US EPA ID NUMBER NOT APPLICABLE	
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		C. FACILITY'S PHONE (860) 747-8888	
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		10. CONTAINERS NO. TYPE	
b.		11. TOTAL QUANTITY	
c.		12. UNIT WT/VOL	
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME John Marsilio		SIGNATURE 	
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME James Minicucci		SIGNATURE 	
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 25.95 TON'S		MONTH DAY YEAR 6 24 21	
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13. PRINTED/TYPED NAME Mark		SIGNATURE 	
		MONTH DAY YEAR 6 28 21	

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2539853

Date	Time	Scale
In:06/28/2021	11:55:01	CECT
Out:06/28/2021	11:55:01	CECT

	Lbs.	Tns
Manifest:1881223	Gross: 72,120	36.06
Vehicle:58911A	Tare: 29,980	14.99
Decal:	Net: 42,140	21.07

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881223

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824 203-256-3010		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825 <i>Lombard 58911A</i>	
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203) 752-2558	TRANSPORTER'S PLATE NUMBER 58911A
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (000) 000-0000	TRANSPORTER'S PLATE NUMBER
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	
		C. FACILITY'S PHONE (860) 747-8888	
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS	11. TOTAL QUANTITY
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		NO. 001	TYPE DT
b.			
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME <i>John Marsilio</i>		SIGNATURE <i>[Signature]</i>	
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME <i>Mark Iamle</i>		SIGNATURE <i>[Signature]</i>	
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED <i>21.07</i> TON'S		MONTH DAY YEAR 6 24 21	
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13. PRINTED/TYPED NAME <i>Mark</i>		SIGNATURE <i>[Signature]</i>	
		MONTH DAY YEAR 6 28 21	

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2540013

Date	Time	Scale
In:06/28/2021	13:04:34	CECT
Out:06/28/2021	13:04:34	CECT

	Lbs.	Tns
Manifest:1881215	Gross: 61,040	30.52
Vehicle:64213A	Tare: 30,060	15.03
Decal:	Net: 30,980	15.49

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Nora Euvrard

#811



NON-RCRA HAZARDOUS WASTE MANIFEST

1881215

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825			
2. GENERATOR'S PHONE 203-256-3010		4. US EPA ID NUMBER NOT APPLICABLE		A. TRANSPORTER 1'S PHONE (203 752-2558	
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC		5. TRANSPORTER 2 COMPANY NAME XXXXXX-811		TRANSPORTER'S PLATE NUMBER 64213A	
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		C. FACILITY'S PHONE (860) 747-8888	
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS NO. TYPE		11. TOTAL QUANTITY 12. UNIT WT/VOL	
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		001 DT		00020 T	
b.		13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME Juan Maresilio		SIGNATURE 		MONTH DAY YEAR 6 24 21	
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME Henry Perez		SIGNATURE 		MONTH DAY YEAR 6 28 21	
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 15.49 TON'S		18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13. PRINTED/TYPED NAME Mark			
SIGNATURE 		MONTH DAY YEAR 6 28 21			

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2540079

Date	Time	Scale
In:06/28/2021	13:27:47	CECT
Out:06/28/2021	13:27:47	CECT

	Lbs.	Tns
Manifest:1881218	Gross: 71,880	35.94
Vehicle:64212A	Tare: 30,360	15.18
Decal:	Net: 41,520	20.76

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Nora Euvrard



NON-RCRA HAZARDOUS WASTE MANIFEST

1881218

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203) 752-2558	TRANSPORTER'S PLATE NUMBER
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (000) 000-0000	TRANSPORTER'S PLATE NUMBER 64210-A
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX	8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	C. FACILITY'S PHONE (860) 747-8888	
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062			
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS	11. TOTAL QUANTITY
		NO.	TYPE
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE		001	DT
b. Approval: 214071532 Global/Job #:1004865			
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
PRINTED/TYPED NAME John Marsilio		SIGNATURE <i>John Marsilio</i>	
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME		MONTH DAY YEAR 6 24 21	
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME JR		SIGNATURE <i>JR</i>	
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 20.76 TON'S		MONTH DAY YEAR 6 28 21	
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.			
PRINTED/TYPED NAME Mark		SIGNATURE <i>Mark</i>	
		MONTH DAY YEAR 6 28 21	

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2540100

Date	Time	Scale
In:06/28/2021	13:36:42	CECT
Out:06/28/2021	13:36:42	CECT

	Lbs.	Tns
Manifest:1881220	Gross: 63,840	31.92
Vehicle:42452A	Tare: 27,640	13.82
Decal:	Net: 36,200	18.10

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Nora Euvrard



NON-RCRA HAZARDOUS WASTE MANIFEST

1881220

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010	3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203 752-2558
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (090 000-0000	TRANSPORTER'S PLATE NUMBER 42452-A
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	
		C. FACILITY'S PHONE (860) 747-8888	
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS	11. TOTAL QUANTITY
		NO. TYPE	UNIT WT/VOL
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		001 DT	00020 T
b.			
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
PRINTED/TYPED NAME John Marsilio		SIGNATURE 	MONTH DAY YEAR 6 24 21
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME Seán Miller		SIGNATURE 	MONTH DAY YEAR 6 28 21
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME		SIGNATURE	MONTH DAY YEAR
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 18.1 TON'S			
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.			
PRINTED/TYPED NAME Mark		SIGNATURE 	MONTH DAY YEAR 6 28 21

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2540105

Date	Time	Scale
In:06/28/2021	13:37:33	CECT
Out:06/28/2021	13:37:33	CECT

	Lbs.	Tns
Manifest:1881222	Gross: 70,980	35.49
Vehicle:56498A	Tare: 27,700	13.85
Decal:	Net: 43,280	21.64

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Nora Euvrard



NON-RCRA HAZARDOUS WASTE MANIFEST

1881222

1. GENERATOR'S NAME AND SITE ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824 203-256-3010		Mill Hill GENERATOR'S SITE ADDRESS 635 Mill Hill Terrace Fairfield CT 06825	
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203) 752-2558	TRANSPORTER'S PLATE NUMBER 56498A
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (000) 000-0000	TRANSPORTER'S PLATE NUMBER
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	
		C. FACILITY'S PHONE (860) 747-8888	
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS NO. TYPE	11. TOTAL QUANTITY
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		001 DT	00020
b.			
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM: SO2 FINAL: T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME John Marsilio		SIGNATURE 	
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME James Minicucci		SIGNATURE 	
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 21.64 TON'S		SIGNATURE 	
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 17 PRINTED/TYPED NAME Mark		SIGNATURE 	

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2540265

Date	Time	Scale
In:06/29/2021	08:51:09	CECT
Out:06/29/2021	08:51:09	CECT

	Lbs.	Tns
Manifest:1881234	Gross: 74,500	37.25
Vehicle:64212A	Tare: 30,360	15.18
Decal:	Net: 44,140	22.07

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881234

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010			
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203 752-2558	TRANSPORTER'S PLATE NUMBER
5. TRANSPORTER 2 COMPANY NAME <i>Lantern</i> XXXXXXXXXXXXXXXXXXXX	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (090 000-0000	TRANSPORTER'S PLATE NUMBER 64212-A
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	
		C. FACILITY'S PHONE (860) 747-8888	
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS	11. TOTAL QUANTITY
		NO. TYPE	12. UNIT WT/VOL
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		001 DT	00020 T
b.			
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
PRINTED/TYPED NAME JOHN MARSILIO		SIGNATURE <i>John Marsilio</i>	MONTH DAY YEAR 6 24 21
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME		SIGNATURE	MONTH DAY YEAR
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME JR		SIGNATURE <i>JR</i>	MONTH DAY YEAR 6 29 21
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED <u>22.07</u> TON'S			
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.			
PRINTED/TYPED NAME Mark		SIGNATURE <i>Mark</i>	MONTH DAY YEAR 6 29 21

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2540564

Date	Time	Scale
In:06/29/2021	09:01:43	CECT
Out:06/29/2021	09:01:43	CECT

	Lbs.	Tns
Manifest:1881233	Gross: 76,140	38.07
Vehicle:56498A	Tare: 27,700	13.85
Decal:	Net: 48,440	24.22

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881233

1. GENERATOR'S NAME AND ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825		
2. GENERATOR'S PHONE 203-256-3010	3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203) 752-2558	TRANSPORTER'S PLATE NUMBER 56498-A
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (090) 000-0000	TRANSPORTER'S PLATE NUMBER	
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		C. FACILITY'S PHONE (860) 747-8888
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS	11. TOTAL QUANTITY	12. UNIT WT/VOL
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		NO. 001	TYPE DT	00020 T
b.				
c.				
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57		
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION				
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.				
PRINTED/TYPED NAME JOHN MAKSILO		SIGNATURE 		MONTH 6 DAY 24 YEAR 21
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME James Minicucci		SIGNATURE 		MONTH 6 DAY 29 YEAR 21
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME		SIGNATURE		MONTH DAY YEAR
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED <u>24.22</u> TON'S				
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.				
PRINTED/TYPED NAME Mark		SIGNATURE 		MONTH 6 DAY 29 YEAR 21

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2540848

Date	Time	Scale
In:06/29/2021	11:40:30	CECT
Out:06/29/2021	11:40:30	CECT

	Lbs.	Tns
Manifest:1881232	Gross: 89,400	44.70
Vehicle:64212A	Tare: 30,360	15.18
Decal:	Net: 59,040	29.52

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881232

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010			
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203 752-2558	TRANSPORTER'S PLATE NUMBER
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX London	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (090 000-0000	TRANSPORTER'S PLATE NUMBER 69812-A
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	
		C. FACILITY'S PHONE (860) 747-8888	
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS NO. TYPE	11. TOTAL QUANTITY
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		001 DT	00020
b.			
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
PRINTED/TYPED NAME JOHN MARSILO		SIGNATURE 	MONTH DAY YEAR 6 24 21
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME		SIGNATURE 	MONTH DAY YEAR
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME OR		SIGNATURE 	MONTH DAY YEAR 6 29 21
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 29.52 TON'S			
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.			
PRINTED/TYPED NAME Mark		SIGNATURE 	MONTH DAY YEAR 6 29 21

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2540907

Date	Time	Scale
In:06/29/2021	12:05:00	CECT
Out:06/29/2021	12:05:00	CECT

	Lbs.	Tns
Manifest:1881229	Gross: 68,960	34.48
Vehicle:56498A	Tare: 27,700	13.85
Decal:	Net: 41,260	20.63

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881229

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010			
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203 752-2558	TRANSPORTER'S PLATE NUMBER 30448 A
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXXXXX	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (000 000-0000	TRANSPORTER'S PLATE NUMBER
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	
		C. FACILITY'S PHONE (860) 747-8888	
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS NO. TYPE	11. TOTAL QUANTITY
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		001 DT	00020
b.			
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
PRINTED/TYPED NAME Town Manager		SIGNATURE 	
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME James Minicucci		SIGNATURE 	
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME		SIGNATURE	
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 20.63 TON'S		MONTH DAY YEAR 6 24 21	
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13. PRINTED/TYPED NAME Mark		SIGNATURE 	
		MONTH DAY YEAR 6 29 21	

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2541200

Date	Time	Scale
In:06/29/2021	14:39:25	CECT
Out:06/29/2021	14:39:25	CECT

	Lbs.	Tns
Manifest:1881231	Gross: 78,160	39.08
Vehicle:64212A	Tare: 30,360	15.18
Decal:	Net: 47,800	23.90

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881231

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010			
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203 752-2558	TRANSPORTER'S PLATE NUMBER
5. TRANSPORTER 2 COMPANY NAME Landen XXXXXXXXXXXXXXXXXXXX	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (090 000-0000	TRANSPORTER'S PLATE NUMBER 64212-A
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	
		C. FACILITY'S PHONE (860) 747-8888	
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS NO. TYPE	11. TOTAL QUANTITY
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		001 DT	00020
b.			
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
PRINTED/TYPED NAME John Marsilio		SIGNATURE 	
		MONTH 6	DAY 24
		YEAR 21	
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME		SIGNATURE	
		MONTH	DAY
		YEAR	
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME JR		SIGNATURE 	
		MONTH 6	DAY 29
		YEAR 21	
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 23.9 TON'S			
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.			
PRINTED/TYPED NAME Mark		SIGNATURE 	
		MONTH 6	DAY 29
		YEAR 21	

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2541231

Date	Time	Scale
In:06/29/2021	14:54:07	CECT
Out:06/29/2021	14:54:07	CECT

	Lbs.	Tns
Manifest:1881230	Gross: 72,900	36.45
Vehicle:56498A	Tare: 27,700	13.85
Decal:	Net: 45,200	22.60

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881230

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203) 752-2558	TRANSPORTER 1'S PLATE NUMBER 66488-A
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (000) 000-0000	TRANSPORTER 2'S PLATE NUMBER
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX	8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	C. FACILITY'S PHONE (860) 747-8888	
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062			
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS NO. TYPE	11. TOTAL QUANTITY
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE		001 DT	00020
b. Approval: 214071532 Global/Job #:1004865			
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME John Marsilio		SIGNATURE 	
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME James Minicucci		SIGNATURE 	
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 22.6 TON'S		MONTH DAY YEAR 6 24 21	
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13. PRINTED/TYPED NAME Mark		SIGNATURE 	
		MONTH DAY YEAR 6 29 21	

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2541213

Date	Time	Scale
In:06/30/2021	09:28:48	CECT
Out:06/30/2021	09:28:48	CECT

	Lbs.	Tns
Manifest:1881226	Gross: 78,340	39.17
Vehicle:64212A	Tare: 30,360	15.18
Decal:	Net: 47,980	23.99

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881226

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010		3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	
4. US EPA ID NUMBER NOT APPLICABLE		A. TRANSPORTER 1'S PHONE (203) 752-2558	
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX		B. TRANSPORTER 2'S PHONE (000) 000-0000	
6. US EPA ID NUMBER NOT APPLICABLE		TRANSPORTER'S PLATE NUMBER 64210-A	
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		C. FACILITY'S PHONE (860) 747-8888	
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE		10. CONTAINERS NO. TYPE 11. TOTAL QUANTITY 12. UNIT WT/VOL 001 DT 00020 T	
b. Approval: 214071532 Global/Job #:1004865			
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM FINAL SO2 T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
PRINTED/TYPED NAME JOHN MARSILIO		SIGNATURE <i>[Signature]</i>	
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME		MONTH DAY YEAR 6 24 21	
SIGNATURE		MONTH DAY YEAR	
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME JR		SIGNATURE <i>[Signature]</i>	
MONTH DAY YEAR 6 30 21		MONTH DAY YEAR	
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED <u>23.99</u> TONS			
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.			
PRINTED/TYPED NAME Mark		SIGNATURE <i>[Signature]</i>	
MONTH DAY YEAR 6 30 21		MONTH DAY YEAR	

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2541659

Date	Time	Scale
In:06/30/2021	09:30:18	CECT
Out:06/30/2021	09:30:18	CECT

	Lbs.	Tns
Manifest:1881225	Gross: 73,040	36.52
Vehicle:59755A	Tare: 27,240	13.62
Decal:	Net: 45,800	22.90

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881225

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010			
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203 752-2558	TRANSPORTER'S PLATE NUMBER 59755-A
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (000 000-0000	TRANSPORTER'S PLATE NUMBER
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	
		C. FACILITY'S PHONE (860) 747-8888	
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS NO. TYPE	11. TOTAL QUANTITY
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE		001 DT	00020
b. Approval: 214071532 Global/Job #:1004865			
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
PRINTED/TYPED NAME Juan Maresilio		SIGNATURE 	MONTH DAY YEAR 6 24 21
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME David Hovey		SIGNATURE 	MONTH DAY YEAR 6 30 21
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME		SIGNATURE	MONTH DAY YEAR
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 22.9 TON'S			
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.			
PRINTED/TYPED NAME Mark		SIGNATURE 	MONTH DAY YEAR 6 30 21

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2541666

Date	Time	Scale
In:06/30/2021	09:31:17	CECT
Out:06/30/2021	09:31:17	CECT

	Lbs.	Tns
Manifest:1881227	Gross: 68,820	34.41
Vehicle:56498A	Tare: 27,700	13.85
Decal:	Net: 41,120	20.56

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881227

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010	3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203) 752-2558
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (000) 000-0000	TRANSPORTER'S PLATE NUMBER 56488-A
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	
		C. FACILITY'S PHONE (860) 747-8888	
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS NO. TYPE	11. TOTAL QUANTITY
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE		001 DT	00020
b. Approval: 214071532 Global/Job #:1004865			T
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
PRINTED/TYPED NAME JOHN MARZILIO		SIGNATURE 	MONTH DAY YEAR 6 24 21
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME James Minicucci		SIGNATURE 	MONTH DAY YEAR 6 30 21
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME		SIGNATURE	MONTH DAY YEAR
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 20.56 TON'S			
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.			
PRINTED/TYPED NAME Mark		SIGNATURE 	MONTH DAY YEAR 6 30 21

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2542012

Date	Time	Scale
In:06/30/2021	12:20:58	CECT
Out:06/30/2021	12:20:58	CECT

	Lbs.	Tns
Manifest:1881228	Gross: 76,480	38.24
Vehicle:64212A	Tare: 30,360	15.18
Decal:	Net: 46,120	23.06

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Sondra Zak



NON-RCRA HAZARDOUS WASTE MANIFEST

1881228

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010			
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203 752-2558	TRANSPORTER'S PLATE NUMBER
5. TRANSPORTER 2 COMPANY NAME <i>London</i> XXXXXXXXXXXXXXXXXXXX	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (090 000-0000	TRANSPORTER'S PLATE NUMBER <i>642B-A</i>
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	
		C. FACILITY'S PHONE (860) 747-8888	
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS	11. TOTAL QUANTITY
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		NO. 001	TYPE DT
b.			
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION <i>76480</i>			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
PRINTED/TYPED NAME <i>John Marsilio</i>		SIGNATURE <i>John Marsilio</i>	
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS		MONTH DAY YEAR <i>6 24 21</i>	
PRINTED/TYPED NAME		SIGNATURE	
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS		MONTH DAY YEAR <i>6 30 21</i>	
PRINTED/TYPED NAME <i>DR</i>		SIGNATURE <i>DR</i>	
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED <i>23.06</i> TON'S			
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.			
PRINTED/TYPED NAME <i>DR</i>		SIGNATURE <i>DR</i>	
		MONTH DAY YEAR <i>6 30 21</i>	

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2542041

Date	Time	Scale
In:06/30/2021	12:39:52	CECT
Out:06/30/2021	12:39:52	CECT

	Lbs.	Tns
Manifest:1881280	Gross: 76,660	38.33
Vehicle:59755A	Tare: 27,240	13.62
Decal:	Net: 49,420	24.71

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881280

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010		A. TRANSPORTER 1'S PHONE (203) 752-2558	
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC		TRANSPORTER'S PLATE NUMBER 9755-A	
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX		B. TRANSPORTER 2'S PHONE (000) 000-0000	
6. US EPA ID NUMBER NOT APPLICABLE		TRANSPORTER'S PLATE NUMBER	
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		C. FACILITY'S PHONE (860) 747-8888	
8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		TRANSPORTER'S PLATE NUMBER	
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS	
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE		NO. TYPE	
b. Approval: 214071532 Global/Job #:1004865		001 DT	
c.		00020 T	
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME JOHN Marsilio		SIGNATURE <i>John Marsilio</i>	
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME David Honey		SIGNATURE <i>David Honey</i>	
17. DISCREPANCY INDICATION SPACE II(a) CORRECTED WEIGHT AS SCALED 24.71 TON'S		MONTH DAY YEAR 6 30 21	
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13. PRINTED/TYPED NAME Mark		SIGNATURE <i>Mark</i>	
		MONTH DAY YEAR 6 30 21	

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2542102

Date	Time	Scale
In:06/30/2021	13:17:43	CECT
Out:06/30/2021	13:17:43	CECT

	Lbs.	Tns
Manifest:1881261	Gross: 69,100	34.55
Vehicle:56498A	Tare: 27,700	13.85
Decal:	Net: 41,400	20.70

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881261

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010			
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203 752-2558	TRANSPORTER'S PLATE NUMBER 50498-4
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (090 000-0000	TRANSPORTER'S PLATE NUMBER
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	
		C. FACILITY'S PHONE (860) 747-8888	
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS NO. TYPE	11. TOTAL QUANTITY
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		001 DT	00020
b.			
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
PRINTED/TYPED NAME John Marsilio		SIGNATURE 	MONTH DAY YEAR 6 30 21
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME Jama Minicucci		SIGNATURE 	MONTH DAY YEAR 6 30 21
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME		SIGNATURE	MONTH DAY YEAR
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 20.7 TON'S			
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.			
PRINTED/TYPED NAME Mark		SIGNATURE 	MONTH DAY YEAR 6 30 21

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2542322

Date	Time	Scale
In:06/30/2021	15:07:32	CECT
Out:06/30/2021	15:07:32	CECT

	Lbs.	Tns
Manifest:1881262	Gross: 79,340	39.67
Vehicle:64212A	Tare: 30,360	15.18
Decal:	Net: 48,980	24.49

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881262

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203 752-2558	TRANSPORTER'S PLATE NUMBER
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (000 000-0000	TRANSPORTER'S PLATE NUMBER 64212-A
5. TRANSPORTER 2 COMPANY NAME London XXXXXXXXXXXXXXXXXXXX	8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	C. FACILITY'S PHONE (860) 747-8888	
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)	
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		10. CONTAINERS NO. TYPE 001 DT	11. TOTAL QUANTITY 00020
b.			12. UNIT WT/VOL T
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
PRINTED/TYPED NAME John Marsilio		SIGNATURE 	MONTH DAY YEAR 6 30 21
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME		SIGNATURE	MONTH DAY YEAR
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME JR		SIGNATURE 	MONTH DAY YEAR 6 30 21
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 24.49 TON'S			
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.			
PRINTED/TYPED NAME Mark		SIGNATURE 	MONTH DAY YEAR 6 30 21

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2542359

Date	Time	Scale
In:07/01/2021	07:44:03	CECT
Out:07/01/2021	07:44:03	CECT

	Lbs.	Tns
Manifest:1881263	Gross: 82,020	41.01
Vehicle:59755A	Tare: 27,240	13.62
Decal:	Net: 54,780	27.39

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881263

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203 752-2558	TRANSPORTER'S PLATE NUMBER 59755-A
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (000 000-0000	TRANSPORTER'S PLATE NUMBER
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXXXXX	8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	C. FACILITY'S PHONE (860) 747-8888	
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062			
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS NO. TYPE	11. TOTAL QUANTITY
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		001 DT	00020
b.			
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
PRINTED/TYPED NAME John Marsilio		SIGNATURE 	MONTH DAY YEAR 6 30 21
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME David Howell		SIGNATURE 	MONTH DAY YEAR 6 30 21
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME		SIGNATURE	MONTH DAY YEAR
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED <u>22.39</u> TON'S			
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.			
PRINTED/TYPED NAME Mark		SIGNATURE 	MONTH DAY YEAR 7 1 21

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2542737

Date	Time	Scale
In:07/01/2021	08:25:45	CECT
Out:07/01/2021	08:25:45	CECT

	Lbs.	Tns
Manifest:1881264	Gross: 74,720	37.36
Vehicle:64212A	Tare: 30,360	15.18
Decal:	Net: 44,360	22.18

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881264

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010	3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203 752-2558
5. TRANSPORTER 2 COMPANY NAME Landen XXXXXXXXXXXXXXXXXXXX	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (090 000-0000	TRANSPORTER'S PLATE NUMBER 6Y212-A
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		C. FACILITY'S PHONE (860) 747-8888	
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		10. CONTAINERS NO. TYPE 001 DT	11. TOTAL QUANTITY 00020
b.			12. UNIT WT/VOL T
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM FINAL SO2 T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
PRINTED/TYPED NAME John Marsilio		SIGNATURE 	MONTH DAY YEAR 6 30 21
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME		SIGNATURE	MONTH DAY YEAR
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME JR		SIGNATURE 	MONTH DAY YEAR 6 7 21
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 22.18 TON'S			
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.			
PRINTED/TYPED NAME Mark		SIGNATURE 	MONTH DAY YEAR 7 1 21

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2542765

Date	Time	Scale
In:07/01/2021	08:38:48	CECT
Out:07/01/2021	08:38:48	CECT

	Lbs.	Tns
Manifest:1881265	Gross: 80,580	40.29
Vehicle:42452A	Tare: 27,640	13.82
Decal:	Net: 52,940	26.47

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881265

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010	3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203 752-2558
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (090 000-0000	TRANSPORTER'S PLATE NUMBER 42452-A
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		C. FACILITY'S PHONE (860) 747-8888	
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		10. CONTAINERS NO. TYPE 001 DT	11. TOTAL QUANTITY 00020
b.			12. UNIT WT/VOL T
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME JOHN MARSHALL		SIGNATURE 	
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME Seth Miller		SIGNATURE 	
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 2647 TON'S		MONTH DAY YEAR 7 1 21	
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13. PRINTED/TYPED NAME Mark		SIGNATURE 	
		MONTH DAY YEAR 7 1 21	

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2543004

Date	Time	Scale
In:07/01/2021	10:32:05	CECT
Out:07/01/2021	10:32:05	CECT

	Lbs.	Tns
Manifest:1881266	Gross: 80,540	40.27
Vehicle:59755A	Tare: 27,240	13.62
Decal:	Net: 53,300	26.65

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881266

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825		
2. GENERATOR'S PHONE 203-256-3010	3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203 752-2558	TRANSPORTER'S PLATE NUMBER 59755-A
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (000 000-0000	TRANSPORTER'S PLATE NUMBER	
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		C. FACILITY'S PHONE (860) 747-8888
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS NO. TYPE	11. TOTAL QUANTITY	12. UNIT WT/VOL
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		001 DT	00020	T
b.				
c.				
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57		
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION				
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.				
PRINTED/TYPED NAME JOHN MARSILIO		SIGNATURE 		MONTH DAY YEAR 7 1 21
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME David Howell		SIGNATURE 		MONTH DAY YEAR 7 1 21
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME		SIGNATURE		MONTH DAY YEAR
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 26.65 TON'S				
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.				
PRINTED/TYPED NAME Mark		SIGNATURE 		MONTH DAY YEAR 7 1 21

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2543102

Date	Time	Scale
In:07/01/2021	11:10:56	CECT
Out:07/01/2021	11:10:56	CECT

	Lbs.	Tns
Manifest:1881267	Gross: 76,400	38.20
Vehicle:42452A	Tare: 27,640	13.82
Decal:	Net: 48,760	24.38

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881267

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203 752-2558	TRANSPORTER'S PLATE NUMBER C12452A
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (090 000-0000	TRANSPORTER'S PLATE NUMBER
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX	8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	C. FACILITY'S PHONE (860) 747-8888	
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062			
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS NO. TYPE	11. TOTAL QUANTITY
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		001 DT	00020
b.			
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME JOHN MARSILIO		SIGNATURE 	
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME SEYMOUR WILLIAMS		SIGNATURE 	
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 24.38 TON'S		MONTH DAY YEAR 7 1 21	
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13. PRINTED/TYPED NAME Mark		SIGNATURE 	
		MONTH DAY YEAR 7 1 21	

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2543157

Date	Time	Scale
In:07/01/2021	11:33:13	CECT
Out:07/01/2021	11:33:13	CECT

	Lbs.	Tns
Manifest:1881268	Gross: 78,900	39.45
Vehicle:64212A	Tare: 30,360	15.18
Decal:	Net: 48,540	24.27

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881268

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010			
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203 752-2558	TRANSPORTER'S PLATE NUMBER
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXXXXX <i>Lenk</i>	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (090 000-0000	TRANSPORTER'S PLATE NUMBER <i>64212 A</i>
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	
		C. FACILITY'S PHONE (860) 747-8888	
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS NO. TYPE	11. TOTAL QUANTITY
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		001 DT	00020
b.			
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME <i>John Marsilio</i>		SIGNATURE <i>John Marsilio</i>	
		MONTH 6	DAY 30
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME <i>JK</i>		SIGNATURE <i>JK</i>	
		MONTH 6	DAY 1
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED <i>24.27</i> TON'S		YEAR 21	
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.			
PRINTED/TYPED NAME <i>Mark</i>		SIGNATURE <i>Mark</i>	
		MONTH 7	DAY 21
		YEAR 21	

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2543444

Date	Time	Scale
In:07/01/2021	14:05:13	CECT
Out:07/01/2021	14:05:13	CECT

	Lbs.	Tns
Manifest:1881277	Gross: 78,720	39.36
Vehicle:42452A	Tare: 27,640	13.82
Decal:	Net: 51,080	25.54

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881277

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203) 752-2558	TRANSPORTER'S PLATE NUMBER 412452.1A
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (000) 000-0000	TRANSPORTER'S PLATE NUMBER
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX	8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	C. FACILITY'S PHONE (860) 747-8888	
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062			
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS	11. TOTAL QUANTITY
		NO.	TYPE
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE		001	DT
b. Approval: 214071532 Global/Job #:1004865			
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME John Marsilio		SIGNATURE 	
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME Seth Miller		SIGNATURE 	
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 25.54 TON'S		MONTH DAY YEAR 7 1 21	
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13. PRINTED/TYPED NAME Mark		SIGNATURE 	
		MONTH DAY YEAR 7 1 21	

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2543449

Date	Time	Scale
In:07/01/2021	14:08:56	CECT
Out:07/01/2021	14:08:56	CECT

	Lbs.	Tns
Manifest:1881279	Gross: 79,740	39.87
Vehicle:59755A	Tare: 27,240	13.62
Decal:	Net: 52,500	26.25

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881279

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203 752-2558	TRANSPORTER'S PLATE NUMBER 5A755A
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (000 000-0000	TRANSPORTER'S PLATE NUMBER
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX	8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	C. FACILITY'S PHONE (860) 747-8888	
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		10. CONTAINERS NO. TYPE 001 DT	11. TOTAL QUANTITY 00020
b.			12. UNIT WT/VOL T
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME John Marsilio		SIGNATURE 	
16. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME Dan Howell		SIGNATURE 	
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 26-25 TON'S		MONTH DAY YEAR 7 1 21	
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13. PRINTED/TYPED NAME Mark		SIGNATURE 	
		MONTH DAY YEAR 7 1 21	

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2543484

Date	Time	Scale
In:07/01/2021	14:35:04	CECT
Out:07/01/2021	14:35:04	CECT

	Lbs.	Tns
Manifest:1881278	Gross: 79,360	39.68
Vehicle:64212A	Tare: 30,360	15.18
Decal:	Net: 49,000	24.50

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881278

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203) 752-2558	TRANSPORTER'S PLATE NUMBER
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (000) 000-0000	TRANSPORTER'S PLATE NUMBER 64212-A
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX London	8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	C. FACILITY'S PHONE (860) 747-8888	
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062			
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS	11. TOTAL QUANTITY
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE		NO. 001	TYPE DT
b. Approval: 214071532 Global/Job #:1004865			
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME John Marsilio		SIGNATURE 	
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME dn		SIGNATURE 	
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 24.5 TON'S		MONTH 6 DAY 30 YEAR 21	
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13. PRINTED/TYPED NAME Mark		SIGNATURE 	
		MONTH 7 DAY 1 YEAR 21	

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2545468

Date	Time	Scale
In:07/08/2021	08:38:30	CECT
Out:07/08/2021	08:38:30	CECT

	Lbs.	Tns
Manifest:1881270	Gross: 66,000	33.00
Vehicle:56498A	Tare: 27,700	13.85
Decal:	Net: 38,300	19.15

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881270

1. OPERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010			
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203) 752-2558	TRANSPORTER'S PLATE NUMBER 564 98-A
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (000) 000-0000	TRANSPORTER'S PLATE NUMBER
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	
		C. FACILITY'S PHONE (860) 747-8888	
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS NO. TYPE	11. TOTAL QUANTITY
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		001 DT	00020
b.			
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
PRINTED/TYPED NAME JOHN MARZILIO		SIGNATURE 	MONTH DAY YEAR 7 8 21
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME James Miniucchi		SIGNATURE 	MONTH DAY YEAR 7 8 21
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME		SIGNATURE	MONTH DAY YEAR
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 19.15 TON'S			
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.			
PRINTED/TYPED NAME Mark		SIGNATURE 	MONTH DAY YEAR 7 8 21

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2547063

Date	Time	Scale
In:07/08/2021	11:33:55	CECT
Out:07/08/2021	11:33:55	CECT

	Lbs.	Tns
Manifest:1881271	Gross: 45,740	22.87
Vehicle:56498A	Tare: 27,700	13.85
Decal:	Net: 18,040	9.02

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881271

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	3. TRANSPORTER 1 PHONE 203-256-3010	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE ()
5. TRANSPORTER 2 COMPANY NAME Cisco Environmental, LLC	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE 203-256-2558	TRANSPORTER'S PLATE NUMBER 564 98-N
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		C. FACILITY'S PHONE (860) 747-8888	
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE		10. CONTAINERS NO. TYPE	11. TOTAL QUANTITY
b. Approval: 214071532 Global/Job #:1004865		001 DT	00020
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME John Marsilio		SIGNATURE <i>[Signature]</i>	
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME James Minicucci		SIGNATURE <i>[Signature]</i>	
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 9.02 TON'S		MONTH DAY YEAR 7 8 21	
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13. PRINTED/TYPED NAME Mark		SIGNATURE <i>[Signature]</i>	
		MONTH DAY YEAR 7 8 21	

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2547435

Date	Time	Scale
In:07/09/2021	08:31:37	CECT
Out:07/09/2021	08:31:37	CECT

	Lbs.	Tns
Manifest:1881276	Gross: 71,180	35.59
Vehicle:60436a	Tare: 37,820	18.91
Decal:	Net: 33,360	16.68

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881276

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203) 752-2558	TRANSPORTER'S PLATE NUMBER 60436A
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (000) 000-0000	TRANSPORTER'S PLATE NUMBER
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX	8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	C. FACILITY'S PHONE (860) 747-8888	
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062			
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS NO. TYPE	11. TOTAL QUANTITY
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE		001 DT	00020
b. Approval: 214071532 Global/Job #:1004865			T
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME John Marsilio		SIGNATURE <i>John Marsilio</i>	
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME Ben Samuels		SIGNATURE <i>Ben Samuels</i>	
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 16.68 TON'S		MONTH DAY YEAR 7 2 21	
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13. PRINTED/TYPED NAME Mark		SIGNATURE <i>Mark</i>	
		MONTH DAY YEAR 7 4 21	

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2547966

Date	Time	Scale
In:07/09/2021	10:35:43	CECT
Out:07/09/2021	10:35:43	CECT

	Lbs.	Tns
Manifest:1881269	Gross: 74,040	37.02
Vehicle:60436a	Tare: 37,540	18.77
Decal:	Net: 36,500	18.25

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881269

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825		
2. GENERATOR'S PHONE 203-256-3010	3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203 752-2558	TRANSPORTER'S PLATE NUMBER 60436-A
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (090 000-0000	TRANSPORTER'S PLATE NUMBER	
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		C. FACILITY'S PHONE (860) 747-8888
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS NO. TYPE	11. TOTAL QUANTITY	12. UNIT WT/VOL
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE Approval: 214071532 Global/Job #:1004865		001	DT	00020 T
b.				
c.				
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM SO2 FINAL T57		
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION				
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.				
PRINTED/TYPED NAME John Marsilio		SIGNATURE 		MONTH DAY YEAR 7 1 21
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME Ben Samuels		SIGNATURE 		MONTH DAY YEAR 7 1 21
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME		SIGNATURE		MONTH DAY YEAR
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 18.25 TON'S				
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.				
PRINTED/TYPED NAME Mark		SIGNATURE 		MONTH DAY YEAR 7 9 21

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2550817

Date	Time	Scale
In:07/15/2021	09:38:00	CECT
Out:07/15/2021	09:38:00	CECT

	Lbs.	Tns
Manifest:1881272	Gross: 72,340	36.17
Vehicle:60436a	Tare: 37,860	18.93
Decal:	Net: 34,480	17.24

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Mark Tran



NON-RCRA HAZARDOUS WASTE MANIFEST

1881272

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203) 752-2558	TRANSPORTER'S PLATE NUMBER 60436A
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (000) 000-0000	TRANSPORTER'S PLATE NUMBER
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062		8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		C. FACILITY'S PHONE (860) 747-8888	
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE		10. CONTAINERS NO. TYPE	11. TOTAL QUANTITY QUANTITY
b. Approval: 214071532 Global/Job #:1004865		001 DT	00020 T
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM FINAL SO2 T57	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
PRINTED/TYPED NAME John Marsilio		SIGNATURE 	MONTH DAY YEAR 7 15 21
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME Ben Samuel		SIGNATURE 	MONTH DAY YEAR 7 15 21
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME		SIGNATURE	MONTH DAY YEAR
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 17.24 TON'S			
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.			
PRINTED/TYPED NAME Mark		SIGNATURE 	MONTH DAY YEAR 7 15 21

FACILITY

Clean Earth of Connecticut
58 North Washington Street
Plainville, CT 06062
Ph: Fax:

Ticket:2555512

Date	Time	Scale
In:07/20/2021	09:05:16	CECT
Out:07/20/2021	09:05:16	CECT

	Lbs.	Tns
Manifest:1881273	Gross: 71,200	35.60
Vehicle:60436a	Tare: 37,700	18.85
Decal:	Net: 33,500	16.75

Customer:CISCO LLC
Generator:Town of Fairfield
Address:725 Old Post Road
FAIRFIELD, CT 06824

Carrier:
Profile #:214071532
Job:Mill Hill Elementary School
Address:635 Mill Hill Terrace
FAIRFIELD, CT 06824

Material

Recyclable soil/rock/material

Comment:

Driver

Facility Clean Earth of Connecticut
Sondra Zak



NON-RCRA HAZARDOUS WASTE MANIFEST

1881273

1. GENERATOR'S NAME AND MAILING ADDRESS Town of Fairfield 75 Old Post Road Fairfield CT 06824		GENERATOR'S SITE ADDRESS Mill Hill 635 Mill Hill Terrace Fairfield CT 06825	
2. GENERATOR'S PHONE 203-256-3010	4. US EPA ID NUMBER NOT APPLICABLE	A. TRANSPORTER 1'S PHONE (203) 752-2558	TRANSPORTER'S PLATE NUMBER 60436-A
3. TRANSPORTER 1 COMPANY NAME Cisco Environmental, LLC	6. US EPA ID NUMBER NOT APPLICABLE	B. TRANSPORTER 2'S PHONE (000) 000-0000	TRANSPORTER'S PLATE NUMBER
5. TRANSPORTER 2 COMPANY NAME XXXXXXXXXXXXXXXXXXXX	8. MAILING ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062	C. FACILITY'S PHONE (860) 747-8888	
7. DESIGNATED FACILITY NAME AND SITE ADDRESS CLEAN EARTH OF CONNECTICUT 58 NORTH WASHINGTON STREET PLAINVILLE, CT 06062			
9. US DOT DESCRIPTION (INCLUDING PROPER SHIPPING NAME, HAZARD CLASS, AND ID NUMBER)		10. CONTAINERS NO. TYPE	11. TOTAL QUANTITY
a. CONNECTICUT REGULATED WASTE SOLID, NONE, NONE		001 DT	00020
b. Approval: 214071532 Global/Job #:1004865			
c.			
D. ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE SOIL CONTAMINATED WITH PETROLEUM HYDROCARBONS		E. HANDLING CODES FOR WASTES LISTED ABOVE INTERIM FINAL SO2 T57 71200 37700	
13. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION			
14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport by highway according to applicable national governmental regulations, and all applicable State of Connecticut laws and regulation. I certify that this material neither contains polychlorinated biphenyls (PCB's) in concentrations greater than 25 ppm, nor has been mixed in anyway with PCB's in concentrations greater than or equal to 50 ppm. I certify that the material listed above contained no free liquids at the time of loading.			
PRINTED/TYPED NAME JOHN MARSILIO		SIGNATURE 	MONTH DAY YEAR 7 20 21
15. TRANSPORTER 1 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME Ken Samuel's		SIGNATURE 	MONTH DAY YEAR 7 20 21
16. TRANSPORTER 2 ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS PRINTED/TYPED NAME		SIGNATURE	MONTH DAY YEAR
17. DISCREPANCY INDICATION SPACE 11(a) CORRECTED WEIGHT AS SCALED 16.75 TON'S			
18. FACILITY OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF WASTE MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEM 13.			
PRINTED/TYPED NAME Stah		SIGNATURE 	MONTH DAY YEAR 7 20 21

FACILITY

	A	B	C	D	E	F	G	H	I	J	K	L
1	UCL Statistics for Data Sets with Non-Detects											
2												
3	User Selected Options											
4	Date/Time of Computation			ProUCL 5.110/26/2021 2:12:58 PM								
5	From File			WorkSheet.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Number of Bootstrap Operations			2000								
9												
10	Benzo(a)anthracene											
11												
12	General Statistics											
13	Total Number of Observations				36		Number of Distinct Observations				16	
14	Number of Detects				9		Number of Non-Detects				27	
15	Number of Distinct Detects				9		Number of Distinct Non-Detects				8	
16	Minimum Detect				0.29		Minimum Non-Detect				0.23	
17	Maximum Detect				2		Maximum Non-Detect				0.36	
18	Variance Detects				0.414		Percent Non-Detects				75%	
19	Mean Detects				0.736		SD Detects				0.643	
20	Median Detects				0.48		CV Detects				0.875	
21	Skewness Detects				1.586		Kurtosis Detects				0.96	
22	Mean of Logged Detects				-0.567		SD of Logged Detects				0.707	
23												
24	Normal GOF Test on Detects Only											
25	Shapiro Wilk Test Statistic				0.691		Shapiro Wilk GOF Test					
26	5% Shapiro Wilk Critical Value				0.829		Detected Data Not Normal at 5% Significance Level					
27	Lilliefors Test Statistic				0.379		Lilliefors GOF Test					
28	5% Lilliefors Critical Value				0.274		Detected Data Not Normal at 5% Significance Level					
29	Detected Data Not Normal at 5% Significance Level											
30												
31	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs											
32	KM Mean				0.357		KM Standard Error of Mean				0.0661	
33	KM SD				0.374		95% KM (BCA) UCL				0.49	
34	95% KM (t) UCL				0.468		95% KM (Percentile Bootstrap) UCL				0.472	
35	95% KM (z) UCL				0.465		95% KM Bootstrap t UCL				0.76	
36	90% KM Chebyshev UCL				0.555		95% KM Chebyshev UCL				0.645	
37	97.5% KM Chebyshev UCL				0.77		99% KM Chebyshev UCL				1.014	
38												
39	Gamma GOF Tests on Detected Observations Only											
40	A-D Test Statistic				1.018		Anderson-Darling GOF Test					
41	5% A-D Critical Value				0.73		Detected Data Not Gamma Distributed at 5% Significance Level					
42	K-S Test Statistic				0.323		Kolmogorov-Smirnov GOF					
43	5% K-S Critical Value				0.282		Detected Data Not Gamma Distributed at 5% Significance Level					
44	Detected Data Not Gamma Distributed at 5% Significance Level											
45												
46	Gamma Statistics on Detected Data Only											
47	k hat (MLE)				2.076		k star (bias corrected MLE)				1.458	
48	Theta hat (MLE)				0.354		Theta star (bias corrected MLE)				0.504	
49	nu hat (MLE)				37.37		nu star (bias corrected)				26.25	
50	Mean (detects)				0.736							
51												
52	Gamma ROS Statistics using Imputed Non-Detects											
53	GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs											

	A	B	C	D	E	F	G	H	I	J	K	L
54	GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)											
55	For such situations, GROS method may yield incorrect values of UCLs and BTVs											
56	This is especially true when the sample size is small.											
57	For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates											
58					Minimum	0.01					Mean	0.191
59					Maximum	2					Median	0.01
60					SD	0.443					CV	2.314
61					k hat (MLE)	0.347					k star (bias corrected MLE)	0.336
62					Theta hat (MLE)	0.552					Theta star (bias corrected MLE)	0.569
63					nu hat (MLE)	24.97					nu star (bias corrected)	24.22
64					Adjusted Level of Significance (β)	0.0428						
65					Approximate Chi Square Value (24.22, α)	14.02					Adjusted Chi Square Value (24.22, β)	13.66
66					95% Gamma Approximate UCL (use when n>=50)	0.331					95% Gamma Adjusted UCL (use when n<50)	0.339
67												
68	Estimates of Gamma Parameters using KM Estimates											
69					Mean (KM)	0.357					SD (KM)	0.374
70					Variance (KM)	0.14					SE of Mean (KM)	0.0661
71					k hat (KM)	0.91					k star (KM)	0.853
72					nu hat (KM)	65.52					nu star (KM)	61.4
73					theta hat (KM)	0.392					theta star (KM)	0.418
74					80% gamma percentile (KM)	0.581					90% gamma percentile (KM)	0.854
75					95% gamma percentile (KM)	1.131					99% gamma percentile (KM)	1.782
76												
77	Gamma Kaplan-Meier (KM) Statistics											
78					Approximate Chi Square Value (61.40, α)	44.38					Adjusted Chi Square Value (61.40, β)	43.72
79					95% Gamma Approximate KM-UCL (use when n>=50)	0.494					95% Gamma Adjusted KM-UCL (use when n<50)	0.501
80												
81	Lognormal GOF Test on Detected Observations Only											
82					Shapiro Wilk Test Statistic	0.817					Shapiro Wilk GOF Test	
83					5% Shapiro Wilk Critical Value	0.829					Detected Data Not Lognormal at 5% Significance Level	
84					Lilliefors Test Statistic	0.275					Lilliefors GOF Test	
85					5% Lilliefors Critical Value	0.274					Detected Data Not Lognormal at 5% Significance Level	
86	Detected Data Not Lognormal at 5% Significance Level											
87												
88	Lognormal ROS Statistics Using Imputed Non-Detects											
89					Mean in Original Scale	0.227					Mean in Log Scale	-2.49
90					SD in Original Scale	0.429					SD in Log Scale	1.371
91					95% t UCL (assumes normality of ROS data)	0.348					95% Percentile Bootstrap UCL	0.356
92					95% BCA Bootstrap UCL	0.394					95% Bootstrap t UCL	0.515
93					95% H-UCL (Log ROS)	0.409						
94												
95	Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution											
96					KM Mean (logged)	-1.243					KM Geo Mean	0.289
97					KM SD (logged)	0.513					95% Critical H Value (KM-Log)	1.92
98					KM Standard Error of Mean (logged)	0.0908					95% H-UCL (KM -Log)	0.389
99					KM SD (logged)	0.513					95% Critical H Value (KM-Log)	1.92
100					KM Standard Error of Mean (logged)	0.0908						
101												
102	DL/2 Statistics											
103					DL/2 Normal						DL/2 Log-Transformed	
104					Mean in Original Scale	0.286					Mean in Log Scale	-1.641
105					SD in Original Scale	0.405					SD in Log Scale	0.717
106					95% t UCL (Assumes normality)	0.4					95% H-Stat UCL	0.323

	A	B	C	D	E	F	G	H	I	J	K	L
107	DL/2 is not a recommended method, provided for comparisons and historical reasons											
108												
109	Nonparametric Distribution Free UCL Statistics											
110	Data do not follow a Discernible Distribution at 5% Significance Level											
111												
112	Suggested UCL to Use											
113	95% KM (Chebyshev) UCL				0.645							
114												
115	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
116	Recommendations are based upon data size, data distribution, and skewness.											
117	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
118	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
119												
120	Benzo(a)pyrene											
121												
122	General Statistics											
123	Total Number of Observations				35		Number of Distinct Observations				15	
124							Number of Missing Observations				1	
125	Number of Detects				10		Number of Non-Detects				25	
126	Number of Distinct Detects				9		Number of Distinct Non-Detects				8	
127	Minimum Detect				0.28		Minimum Non-Detect				0.23	
128	Maximum Detect				1.9		Maximum Non-Detect				0.36	
129	Variance Detects				0.296		Percent Non-Detects				71.43%	
130	Mean Detects				0.717		SD Detects				0.544	
131	Median Detects				0.57		CV Detects				0.759	
132	Skewness Detects				1.636		Kurtosis Detects				1.711	
133	Mean of Logged Detects				-0.537		SD of Logged Detects				0.637	
134												
135	Normal GOF Test on Detects Only											
136	Shapiro Wilk Test Statistic				0.756		Shapiro Wilk GOF Test					
137	5% Shapiro Wilk Critical Value				0.842		Detected Data Not Normal at 5% Significance Level					
138	Lilliefors Test Statistic				0.312		Lilliefors GOF Test					
139	5% Lilliefors Critical Value				0.262		Detected Data Not Normal at 5% Significance Level					
140	Detected Data Not Normal at 5% Significance Level											
141												
142	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs											
143	KM Mean				0.369		KM Standard Error of Mean				0.0629	
144	KM SD				0.353		95% KM (BCA) UCL				0.501	
145	95% KM (t) UCL				0.476		95% KM (Percentile Bootstrap) UCL				0.478	
146	95% KM (z) UCL				0.473		95% KM Bootstrap t UCL				0.621	
147	90% KM Chebyshev UCL				0.558		95% KM Chebyshev UCL				0.643	
148	97.5% KM Chebyshev UCL				0.762		99% KM Chebyshev UCL				0.995	
149												
150	Gamma GOF Tests on Detected Observations Only											
151	A-D Test Statistic				0.686		Anderson-Darling GOF Test					
152	5% A-D Critical Value				0.734		Detected data appear Gamma Distributed at 5% Significance Level					
153	K-S Test Statistic				0.237		Kolmogorov-Smirnov GOF					
154	5% K-S Critical Value				0.269		Detected data appear Gamma Distributed at 5% Significance Level					
155	Detected data appear Gamma Distributed at 5% Significance Level											
156												
157	Gamma Statistics on Detected Data Only											
158	k hat (MLE)				2.603		k star (bias corrected MLE)				1.889	
159	Theta hat (MLE)				0.275		Theta star (bias corrected MLE)				0.38	

	A	B	C	D	E	F	G	H	I	J	K	L
160					nu hat (MLE)	52.07					nu star (bias corrected)	37.78
161					Mean (detects)	0.717						
162												
163	Gamma ROS Statistics using Imputed Non-Detects											
164	GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs											
165	GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)											
166	For such situations, GROS method may yield incorrect values of UCLs and BTVs											
167	This is especially true when the sample size is small.											
168	For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates											
169					Minimum	0.01					Mean	0.212
170					Maximum	1.9					Median	0.01
171					SD	0.428					CV	2.02
172					k hat (MLE)	0.355					k star (bias corrected MLE)	0.343
173					Theta hat (MLE)	0.598					Theta star (bias corrected MLE)	0.617
174					nu hat (MLE)	24.83					nu star (bias corrected)	24.03
175					Adjusted Level of Significance (β)	0.0425						
176					Approximate Chi Square Value (24.03, α)	13.88					Adjusted Chi Square Value (24.03, β)	13.51
177					95% Gamma Approximate UCL (use when n>=50)	0.367					95% Gamma Adjusted UCL (use when n<50)	0.377
178												
179	Estimates of Gamma Parameters using KM Estimates											
180					Mean (KM)	0.369					SD (KM)	0.353
181					Variance (KM)	0.124					SE of Mean (KM)	0.0629
182					k hat (KM)	1.097					k star (KM)	1.022
183					nu hat (KM)	76.77					nu star (KM)	71.52
184					theta hat (KM)	0.337					theta star (KM)	0.362
185					80% gamma percentile (KM)	0.593					90% gamma percentile (KM)	0.846
186					95% gamma percentile (KM)	1.098					99% gamma percentile (KM)	1.683
187												
188	Gamma Kaplan-Meier (KM) Statistics											
189					Approximate Chi Square Value (71.52, α)	53.05					Adjusted Chi Square Value (71.52, β)	52.3
190					95% Gamma Approximate KM-UCL (use when n>=50)	0.498					95% Gamma Adjusted KM-UCL (use when n<50)	0.505
191												
192	Lognormal GOF Test on Detected Observations Only											
193					Shapiro Wilk Test Statistic	0.897					Shapiro Wilk GOF Test	
194					5% Shapiro Wilk Critical Value	0.842					Detected Data appear Lognormal at 5% Significance Level	
195					Lilliefors Test Statistic	0.194					Lilliefors GOF Test	
196					5% Lilliefors Critical Value	0.262					Detected Data appear Lognormal at 5% Significance Level	
197	Detected Data appear Lognormal at 5% Significance Level											
198												
199	Lognormal ROS Statistics Using Imputed Non-Detects											
200					Mean in Original Scale	0.258					Mean in Log Scale	-2.155
201					SD in Original Scale	0.408					SD in Log Scale	1.236
202					95% t UCL (assumes normality of ROS data)	0.375					95% Percentile Bootstrap UCL	0.384
203					95% BCA Bootstrap UCL	0.395					95% Bootstrap t UCL	0.488
204					95% H-UCL (Log ROS)	0.446						
205												
206	Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution											
207					KM Mean (logged)	-1.202					KM Geo Mean	0.301
208					KM SD (logged)	0.531					95% Critical H Value (KM-Log)	1.967
209					KM Standard Error of Mean (logged)	0.0946					95% H-UCL (KM -Log)	0.414
210					KM SD (logged)	0.531					95% Critical H Value (KM-Log)	1.967
211					KM Standard Error of Mean (logged)	0.0946						
212												

	A	B	C	D	E	F	G	H	I	J	K	L
213	DL/2 Statistics											
214	DL/2 Normal					DL/2 Log-Transformed						
215	Mean in Original Scale					0.302	Mean in Log Scale					-1.582
216	SD in Original Scale					0.387	SD in Log Scale					0.749
217	95% t UCL (Assumes normality)					0.412	95% H-Stat UCL					0.36
218	DL/2 is not a recommended method, provided for comparisons and historical reasons											
219												
220	Nonparametric Distribution Free UCL Statistics											
221	Detected Data appear Gamma Distributed at 5% Significance Level											
222												
223	Suggested UCL to Use											
224	95% KM Adjusted Gamma UCL					0.505	95% GROS Adjusted Gamma UCL					0.377
225												
226	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
227	Recommendations are based upon data size, data distribution, and skewness.											
228	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
229	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
230												
231	Benzo(b)fluoranthene											
232												
233	General Statistics											
234	Total Number of Observations					35	Number of Distinct Observations					16
235							Number of Missing Observations					1
236	Number of Detects					8	Number of Non-Detects					27
237	Number of Distinct Detects					8	Number of Distinct Non-Detects					8
238	Minimum Detect					0.31	Minimum Non-Detect					0.23
239	Maximum Detect					1.7	Maximum Non-Detect					0.36
240	Variance Detects					0.243	Percent Non-Detects					77.14%
241	Mean Detects					0.744	SD Detects					0.493
242	Median Detects					0.575	CV Detects					0.663
243	Skewness Detects					1.382	Kurtosis Detects					0.897
244	Mean of Logged Detects					-0.462	SD of Logged Detects					0.597
245												
246	Normal GOF Test on Detects Only											
247	Shapiro Wilk Test Statistic					0.808	Shapiro Wilk GOF Test					
248	5% Shapiro Wilk Critical Value					0.818	Detected Data Not Normal at 5% Significance Level					
249	Lilliefors Test Statistic					0.333	Lilliefors GOF Test					
250	5% Lilliefors Critical Value					0.283	Detected Data Not Normal at 5% Significance Level					
251	Detected Data Not Normal at 5% Significance Level											
252												
253	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs											
254	KM Mean					0.348	KM Standard Error of Mean					0.0558
255	KM SD					0.309	95% KM (BCA) UCL					0.462
256	95% KM (t) UCL					0.442	95% KM (Percentile Bootstrap) UCL					0.453
257	95% KM (z) UCL					0.439	95% KM Bootstrap t UCL					0.534
258	90% KM Chebyshev UCL					0.515	95% KM Chebyshev UCL					0.591
259	97.5% KM Chebyshev UCL					0.696	99% KM Chebyshev UCL					0.902
260												
261	Gamma GOF Tests on Detected Observations Only											
262	A-D Test Statistic					0.518	Anderson-Darling GOF Test					
263	5% A-D Critical Value					0.721	Detected data appear Gamma Distributed at 5% Significance Level					
264	K-S Test Statistic					0.278	Kolmogorov-Smirnov GOF					
265	5% K-S Critical Value					0.296	Detected data appear Gamma Distributed at 5% Significance Level					

	A	B	C	D	E	F	G	H	I	J	K	L
266	Detected data appear Gamma Distributed at 5% Significance Level											
267												
268	Gamma Statistics on Detected Data Only											
269	k hat (MLE)			3.166		k star (bias corrected MLE)			2.062			
270	Theta hat (MLE)			0.235		Theta star (bias corrected MLE)			0.361			
271	nu hat (MLE)			50.66		nu star (bias corrected)			33			
272	Mean (detects)			0.744								
273												
274	Gamma ROS Statistics using Imputed Non-Detects											
275	GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs											
276	GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)											
277	For such situations, GROS method may yield incorrect values of UCLs and BTVs											
278	This is especially true when the sample size is small.											
279	For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates											
280	Minimum			0.01		Mean			0.178			
281	Maximum			1.7		Median			0.01			
282	SD			0.384		CV			2.163			
283	k hat (MLE)			0.349		k star (bias corrected MLE)			0.338			
284	Theta hat (MLE)			0.51		Theta star (bias corrected MLE)			0.526			
285	nu hat (MLE)			24.4		nu star (bias corrected)			23.64			
286	Adjusted Level of Significance (β)			0.0425								
287	Approximate Chi Square Value (23.64, α)			13.58		Adjusted Chi Square Value (23.64, β)			13.21			
288	95% Gamma Approximate UCL (use when n>=50)			0.309		95% Gamma Adjusted UCL (use when n<50)			0.318			
289												
290	Estimates of Gamma Parameters using KM Estimates											
291	Mean (KM)			0.348		SD (KM)			0.309			
292	Variance (KM)			0.0952		SE of Mean (KM)			0.0558			
293	k hat (KM)			1.27		k star (KM)			1.18			
294	nu hat (KM)			88.87		nu star (KM)			82.58			
295	theta hat (KM)			0.274		theta star (KM)			0.295			
296	80% gamma percentile (KM)			0.551		90% gamma percentile (KM)			0.768			
297	95% gamma percentile (KM)			0.983		99% gamma percentile (KM)			1.475			
298												
299	Gamma Kaplan-Meier (KM) Statistics											
300	Approximate Chi Square Value (82.58, α)			62.64		Adjusted Chi Square Value (82.58, β)			61.82			
301	95% Gamma Approximate KM-UCL (use when n>=50)			0.458		95% Gamma Adjusted KM-UCL (use when n<50)			0.464			
302												
303	Lognormal GOF Test on Detected Observations Only											
304	Shapiro Wilk Test Statistic			0.911		Shapiro Wilk GOF Test						
305	5% Shapiro Wilk Critical Value			0.818		Detected Data appear Lognormal at 5% Significance Level						
306	Lilliefors Test Statistic			0.239		Lilliefors GOF Test						
307	5% Lilliefors Critical Value			0.283		Detected Data appear Lognormal at 5% Significance Level						
308	Detected Data appear Lognormal at 5% Significance Level											
309												
310	Lognormal ROS Statistics Using Imputed Non-Detects											
311	Mean in Original Scale			0.228		Mean in Log Scale			-2.293			
312	SD in Original Scale			0.365		SD in Log Scale			1.242			
313	95% t UCL (assumes normality of ROS data)			0.332		95% Percentile Bootstrap UCL			0.333			
314	95% BCA Bootstrap UCL			0.364		95% Bootstrap t UCL			0.424			
315	95% H-UCL (Log ROS)			0.394								
316												
317	Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution											
318	KM Mean (logged)			-1.239		KM Geo Mean			0.29			

	A	B	C	D	E	F	G	H	I	J	K	L
319	KM SD (logged)				0.5	95% Critical H Value (KM-Log)				1.942		
320	KM Standard Error of Mean (logged)				0.0904	95% H-UCL (KM -Log)				0.388		
321	KM SD (logged)				0.5	95% Critical H Value (KM-Log)				1.942		
322	KM Standard Error of Mean (logged)				0.0904							
323												
324	DL/2 Statistics											
325	DL/2 Normal					DL/2 Log-Transformed						
326	Mean in Original Scale				0.275	Mean in Log Scale					-1.649	
327	SD in Original Scale				0.342	SD in Log Scale					0.712	
328	95% t UCL (Assumes normality)				0.373	95% H-Stat UCL					0.322	
329	DL/2 is not a recommended method, provided for comparisons and historical reasons											
330												
331	Nonparametric Distribution Free UCL Statistics											
332	Detected Data appear Gamma Distributed at 5% Significance Level											
333												
334	Suggested UCL to Use											
335	95% KM Adjusted Gamma UCL				0.464	95% GROS Adjusted Gamma UCL					0.318	
336												
337	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
338	Recommendations are based upon data size, data distribution, and skewness.											
339	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
340	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
341												
342	Indeno(1,2,3-cd)pyrene											
343												
344	General Statistics											
345	Total Number of Observations				35	Number of Distinct Observations					14	
346						Number of Missing Observations					1	
347	Number of Detects				7	Number of Non-Detects					28	
348	Number of Distinct Detects				6	Number of Distinct Non-Detects					8	
349	Minimum Detect				0.33	Minimum Non-Detect					0.23	
350	Maximum Detect				1.1	Maximum Non-Detect					0.36	
351	Variance Detects				0.0934	Percent Non-Detects					80%	
352	Mean Detects				0.571	SD Detects					0.306	
353	Median Detects				0.45	CV Detects					0.535	
354	Skewness Detects				1.239	Kurtosis Detects					-0.115	
355	Mean of Logged Detects				-0.666	SD of Logged Detects					0.478	
356												
357	Normal GOF Test on Detects Only											
358	Shapiro Wilk Test Statistic				0.78	Shapiro Wilk GOF Test						
359	5% Shapiro Wilk Critical Value				0.803	Detected Data Not Normal at 5% Significance Level						
360	Lilliefors Test Statistic				0.357	Lilliefors GOF Test						
361	5% Lilliefors Critical Value				0.304	Detected Data Not Normal at 5% Significance Level						
362	Detected Data Not Normal at 5% Significance Level											
363												
364	Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs											
365	KM Mean				0.298	KM Standard Error of Mean					0.034	
366	KM SD				0.186	95% KM (BCA) UCL					0.382	
367	95% KM (t) UCL				0.356	95% KM (Percentile Bootstrap) UCL					0.363	
368	95% KM (z) UCL				0.354	95% KM Bootstrap t UCL					0.402	
369	90% KM Chebyshev UCL				0.4	95% KM Chebyshev UCL					0.447	
370	97.5% KM Chebyshev UCL				0.511	99% KM Chebyshev UCL					0.637	
371												

	A	B	C	D	E	F	G	H	I	J	K	L
372	Gamma GOF Tests on Detected Observations Only											
373	A-D Test Statistic				0.699	Anderson-Darling GOF Test						
374	5% A-D Critical Value				0.71	Detected data appear Gamma Distributed at 5% Significance Level						
375	K-S Test Statistic				0.335	Kolmogorov-Smirnov GOF						
376	5% K-S Critical Value				0.313	Detected Data Not Gamma Distributed at 5% Significance Level						
377	Detected data follow Appr. Gamma Distribution at 5% Significance Level											
378												
379	Gamma Statistics on Detected Data Only											
380	k hat (MLE)				4.88	k star (bias corrected MLE)						2.884
381	Theta hat (MLE)				0.117	Theta star (bias corrected MLE)						0.198
382	nu hat (MLE)				68.32	nu star (bias corrected)						40.38
383	Mean (detects)				0.571							
384												
385	Gamma ROS Statistics using Imputed Non-Detects											
386	GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs											
387	GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)											
388	For such situations, GROS method may yield incorrect values of UCLs and BTVs											
389	This is especially true when the sample size is small.											
390	For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates											
391	Minimum				0.01	Mean						0.123
392	Maximum				1.1	Median						0.01
393	SD				0.261	CV						2.133
394	k hat (MLE)				0.389	k star (bias corrected MLE)						0.375
395	Theta hat (MLE)				0.315	Theta star (bias corrected MLE)						0.327
396	nu hat (MLE)				27.25	nu star (bias corrected)						26.25
397	Adjusted Level of Significance (β)				0.0425							
398	Approximate Chi Square Value (26.25, α)				15.57	Adjusted Chi Square Value (26.25, β)						15.18
399	95% Gamma Approximate UCL (use when $n \geq 50$)				0.207	95% Gamma Adjusted UCL (use when $n < 50$)						0.212
400												
401	Estimates of Gamma Parameters using KM Estimates											
402	Mean (KM)				0.298	SD (KM)						0.186
403	Variance (KM)				0.0347	SE of Mean (KM)						0.034
404	k hat (KM)				2.57	k star (KM)						2.369
405	nu hat (KM)				179.9	nu star (KM)						165.8
406	theta hat (KM)				0.116	theta star (KM)						0.126
407	80% gamma percentile (KM)				0.438	90% gamma percentile (KM)						0.558
408	95% gamma percentile (KM)				0.672	99% gamma percentile (KM)						0.921
409												
410	Gamma Kaplan-Meier (KM) Statistics											
411	Approximate Chi Square Value (165.82, α)				137	Adjusted Chi Square Value (165.82, β)						135.8
412	95% Gamma Approximate KM-UCL (use when $n \geq 50$)				0.361	95% Gamma Adjusted KM-UCL (use when $n < 50$)						0.364
413												
414	Lognormal GOF Test on Detected Observations Only											
415	Shapiro Wilk Test Statistic				0.837	Shapiro Wilk GOF Test						
416	5% Shapiro Wilk Critical Value				0.803	Detected Data appear Lognormal at 5% Significance Level						
417	Lilliefors Test Statistic				0.306	Lilliefors GOF Test						
418	5% Lilliefors Critical Value				0.304	Detected Data Not Lognormal at 5% Significance Level						
419	Detected Data appear Approximate Lognormal at 5% Significance Level											
420												
421	Lognormal ROS Statistics Using Imputed Non-Detects											
422	Mean in Original Scale				0.183	Mean in Log Scale						-2.25
423	SD in Original Scale				0.24	SD in Log Scale						1.01
424	95% t UCL (assumes normality of ROS data)				0.251	95% Percentile Bootstrap UCL						0.253

[illegible]



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