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19 September 2023

East Haddam Land Trust, Inc.
Attention Mr. Cameron Beard
P.O. Box 122
East Haddam, CT 06423

Subject: Soil Environmental Investigation Summary
Honey Hill Farm Acquisition - Farm Dump Area
East Haddam, Connecticut
(EKI Project #C30138.00)

Dear Mr. Beard:

INTRODUCTION

EKI Environment & Water, Inc. (EKI) is pleased to provide this Soil Environmental Investigation Summary report to the East Haddam Land Trust (EHLT). The report summarizes the soil environmental investigation activities performed at the Honey Hill Farm, identified in the Town of East Haddam Tax Assessor's files as 103 Honey Hill Road and Map-Lot #013-003 (the Site) (Figures 1 through 3). The Site is comprised of approximately 126-acres that is accessed from the northern side of Honey Hill Road, northeast of the intersection with Hedlund Road.

Information provided to EKI indicates that a "farm dump" was discovered by the EHLT at the Site and this "farm dump" is currently the subject of inquiries by the Connecticut Department of Energy and Environmental (CTDEEP) in connection with CTDEEP's commitment to provide acquisition funding. This investigation was performed to obtain qualitative and quantitative data necessary to evaluate what mitigation measures may be required to support the land acquisition.

BACKGROUND

As reported in the 1 September 2022 the *East Haddam Land Trust-Honey Hill Farm Affidavit Regarding Clean-up of Dump Site* (Attachment A) provided to EKI, limited soil and debris removal activities were performed at the Site in August 2022. Information provided within the affidavit is summarized as follows:

- **Initial Discovery:** In 2021, during preliminary Site visits by the EHLT, a suspected dump area was observed at the Site. The dimensions of the suspected dump area, as indicated by the presence of surface debris, were reported as approximately 60 feet by 40 feet (the subject area).
- **Cleanup Agreement:** When the current owner signed the purchase agreement on 1 August 2022, EHLT was permitted to cleanup materials observed to be stored and/or discarded within the subject area on Site.
- **EHLT Observations and Cleanup Activities:**

  The following tasks were conducted under EHLT oversight:

  - Clearing vegetation to access debris within the subject area.

- EHLT Observations:
  - Once the vegetation was cleared household type solid waste was observed. The materials observed included: furniture, appliances, and household trash. Based upon observations by EHLT personnel some of the materials were suspected to be of recent origin, possibly within the past 10-30 years. No evidence of chemical and or petroleum type products or waste disposal was observed.
  - Older materials including farm tools, metal debris, and some decayed barn boards and wood had been observed.

- **Removal Process:**

  To mitigate the readily observed debris, EHLT personnel removed approximately 3.06 tons of non-metallic waste, 3.11 tons of scrap metal and other waste consisting of television, computer monitors, tires and vehicle batteries using a combination of mechanical and manual removal processes. These materials were then transported to the East Haddam Transfer Station for recycling.

  The EHLT reported that some asphalt shingles were found during the investigation and removal activities and that some of these shingles were degraded. Despite removal efforts, residual traces of the shingles remain. Additionally, degraded wood barn remnants remained in place, some of which contained painted surfaces.

ENVIRONMENTAL SETTING

The Site is located in a rural area of East Haddam, Connecticut. The geographic location of the Site is depicted on Figure 1. Based on the topography of the area, the inferred groundwater flow direction is to the southwest towards an unnamed brook that feeds into the Connecticut River. Based on the August 2023 site investigation activities performed by EKI, overburden groundwater is expected to be located approximately 3 to 4 feet below grade surface (bgs) within the subject area.

Within the area of the Site, East Haddam's underlying bedrock predominantly consists of metamorphic rocks from the Merrimack and Central Maine oceanic terranes. The Merrimack Terrane is largely defined by the Silurian-Ordovician Hebron Formation calc-silicate gneiss and granofels, notably exposed at Goodspeed Landing. The Central Maine Terrane is marked by the Ordovician Brimfield siliceous schist and gneiss. A pocket of the Bronson Hill Terrane, specifically the Middletown formation meta-volcanics, is discernible just southwest of Lake Hayward.

According to the CTDEEP Water Classifications for East Haddam, Connecticut, dated 2018, groundwater within the vicinity of the Site is classified as GA. This categorization signifies that the groundwater is assumed to be fit for human consumption without treatment. The CTDEEP Water Classification map also indicates that this Site is not situated within an Area of Contribution to Public Water Supply Well. The

CTDEEP Aquifer Protection Area program, updated in 2021, corroborates that the Site is not located an Aquifer Protection Area.

The CTDEEP Natural Diversity Data Base Areas for East Haddam, dated 2022, indicates that the Site is not mapped within any critical habitat, or a region designated for State/Federal listed species. Data from the National Wetlands Inventory indicates the absence of wetlands within the Site. An unnamed brook lies to the southwest of the Site, which ultimately discharges into the Connecticut River.

INVESTIGATION ACTIVITIES AND FINDINGS

On 25 August 2023, EKI initiated subsurface investigations within the subject area, previously identified as a dump area. The dump area was located within grass and wooded areas. The investigation was supported by the EHLT and Ray Sikorsky (excavator owner and operator).

The investigation consisted of eighteen (18) test pits and 1 trench. During test pitting, soil conditions were documented for type of soil material, fill material, potential hydrocarbon presence, and the presence and or absence of groundwater. Soil and material were field screened with a photoionization detector (PID) for total gross volatile organic compounds (VOCs) in accordance with headspace screening techniques. Test pitting was initiated on a grid, then modified to identify the vertical and horizontal extent of the debris/fill area. The locations of the test pits are depicted on Figure 4. The field investigation findings are summarized below:

- Test Pits TP-01, TP-02, and TP-03: Located on the north side of the farm/access road. The purpose of these test pits was to discern the native material and to identify the boundary of the debris/fill material. No debris/fill material was observed within these three test pits. The native soil consisted predominantly of coarse to fine-grained sand, coarse to fine gravel, and silt. Soils from TP-01, TP-2 and TP-03 did not exhibit visual or olfactory indications of environmental impacts or register responses on from the PID. Readings were 0.0 parts per million volume (ppmV) total VOCs, collected via headspace screening techniques.
- Test Pits TP-04 to TP-07, TP-09 to TP-11, and TP-14: The test pits were excavated within the subject area and extended to depths of up to 3 feet bgs. Debris such as plastic, bottles, metal, and glass were observed at the ground surface, however no subgrade debris/fill material was observed at these locations. The native soil consisted predominantly of coarse to fine-grained sand, coarse to fine gravel, and silt. Soils from TP-04 to TP-11, and TP-14 did not exhibit visual or olfactory indications of environmental impact, nor register responses on from the PID readings. PID readings were 0.0 ppmV, collected via headspace screening techniques. Soil samples were collected from test pit TP-06 at a depth of approximately 1 to 2 feet below grade and were submitted to a Connecticut certified laboratory for chemical analysis.
- Test Pits TP-13 and TP-15: The test pits were excavated within the subject area and extended to depths of approximately 5 feet bgs. Surficial debris such as plastic, bottles, metal, and glass were observed. Fill materials including black asphalt shingles, brown rubber, metal stakes, sheet metal, plastics, glass bottles, and brick were observed extending to depths of up to 3.5 feet bgs. The native soil below was encountered at approximately 3.5 feet bgs and extended to the bottom of the excavations. The native soils consisted of coarse to fine grained sand, gravel, and silt.

Groundwater was encountered at approximately 4.25 feet bgs. Soils from TP-13 and TP-15 did not exhibit visual or olfactory indications of environmental impact or register responses on the PID. PID readings were 0.0 ppmv for total VOCs collected via headspace screening techniques. F Soil samples were collected from test pit TP-13 at a depth of 2 to 3 feet and from test pit TP-15 at depths of 2 to 3 feet and 4 to 5 feet and submitted to a Connecticut certified laboratory for chemical analysis. Additionally, bulk material samples (Bulk-1 through Bulk-3) were also collected from buried building materials observed including roofing materials and a rubberized material for laboratory asbestos testing.

- Test Pits TP-08, TP-12, TP-16 to TP-18: These test pits were excavated on the periphery of the subject area and extended to depths of approximately 4 feet bgs. No surficial or debris/fill material was observed at these test pit locations. Groundwater was observed at approximately 2.75 feet bgs in TP-16 and TP-17, and at approximately 3.0 feet bgs at TP-18. The native soil consisted predominantly of coarse to fine-grained sand, coarse to fine gravel, and silt. Soils from TP-08 to TP-12, TP-16 to TP-18 did not exhibit visual or olfactory indications of environmental impact, or register responses on from the PID. PID readings were 0.0 ppmv for total VOCs via headspace screening techniques.
- Trench-1: Trench 1 was excavated in a roughly northeasterly to southwesterly direction between test pits TP-11 and TP-14. The trench was approximately 20 feet in length and extended to a depth of approximately 3 feet bgs. The primary purpose of the trench was to confirm the westem extent of the debris/fill material. Surficial debris such as plastic, bottles, metal, and glass were observed at the trench location. No fill material was observed immediately below the surface to 3 feet bgs in the trench. Soils from the trench did not exhibit visual or olfactory indications of impact or register responses on from the PID readings were 0.0 ppmv collected via headspace screening techniques. No samples were collected.

For detailed summaries of the test pit observations, refer to Attachment B, the test pit logs. Select photographs taken during the EKI test pit investigation activities are included in Attachment C.

Based upon visual observations only of debris/fill areas, due to the lack of PID screening responses, the following soil samples were submitted for laboratory analysis. These samples were identified as being most representative of the debris/fill areas, with the exception of TP-6 which was obtained to evaluate potential background concentrations in an area without debris / fill:

- Samples TP-13(2-3 ft), TP-14(1-2 ft), TP-15(2-3 ft), and TP-15(4-5 ft) analyzed due to the comingled soil/fill observed during the test pit investigation.
- Sample TP-6 (1-2 ft) was analyzed to obtain background concentrations.
- The soil samples were submitted to Phoenix Analytical Laboratories, Inc., of Manchester, Connecticut (Phoenix), a Connecticut certified laboratory, for one or more of the following analyses:
    - VOCs by U.S. EPA Method 8260C;
    - CT ETPH by U.S. EPA Method 8015D;
    - CT RSR Total Metals by U.S. EPA Method SW6010D;
    - Pesticides by U.S. EPA Method 8081;

- Herbicides by U.S. EPA method 8151;
- PCBs by U.S. EPA Method 8082; and
- Polynuclear Aromatics (PAHs) by U.S. EPA Method 8270D.

A total of three bulk material samples (Bulk-1 through Bulk-3) were submitted to Phoenix for analysis for asbestos content by U.S. EPA 800/R/93/116.

The analytical results for the soil and bulk samples are summarized in the following sections.

BULK MATERIAL ASBESTOS ANALYTICAL RESULTS

Bulk samples Bulk-1 and Bulk-2 were collected from TP-13, and Bulk-3 was collected from TP-15. Specifically, Bulk-1 and Bulk-3 were identified as black asphalt shingles, whereas Bulk-2 was characterized as a brown rubberized material. The laboratory analytical results indicated that asbestos was not present in any of the bulk material samples.

A copy of the bulk laboratory analytical report is provided in Attachment D.

SOIL ANALYTICAL RESULTS

The laboratory analytical results have been compared the current CT DEEP Residential Direct Exposure Criteria (RES DEC) and the GA Pollutant Mobility Criteria (GA PMC) of the CTDEEP Remediation Standard Regulations (RSRs). A summary of the laboratory analytical results is presented below and in Table 1.

<u>Soil Analytical Results for Total Metals</u>

Concentrations of arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, nickel, vanadium, and zinc were detected in one or more of the following samples: TP-6(1-2 ft), TP-13(2-3 ft), TP-14(1-2 ft), TP-15(2-3 ft), and TP-15(4-5 ft), below the applicable numeric RSR criteria.

Arsenic was detected at concentrations above the numeric RES DEC RSR criteria of 10 milligram per kilogram (mg/kg) in samples TP-13(2-3 ft) at 16.9 (mg/kg), TP-14(1-2 ft) at 12.1 mg/kg, TP-15(2-3 ft) (37 mg/kg), and TP-15(4-5 ft) 16.9 mg/kg.

<u>Soil Analytical Results for PAHs</u>

PAHs were detected in one or more of the samples TP-13(2-3 ft), TP-14(1-2 ft), TP-15(2-3 ft), and TP-15(4-5 ft): Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Carbazole, Chrysene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Pentachlorophenol, Phenanthrene, and Pyrene.

The following analytes exceeded either the RES DEC and / or GA PMC criteria:

- Benzo(a)anthracene was detected at a concentration of 1,600 micrograms per kilogram (ug/kg) in TP-15(4-5 ft) which exceeded the RES DEC and GA PMC of 1,000 ug/kg.

- Benzo(a)pyrene was detected at a concentration of 1,400 ug/kg in TP-15(4-5 ft) which exceeded the RES DEC and GA PMC of 1,000 ug/kg.
- Benzo(b)fluoranthene was detected at concentrations of 1,800 ug/kg in TP-13(2-3 ft), 1,100 ug/kg in TP-15(2-3 ft), and 3,500 ug/kg in TP-15(4-5 ft) which exceeded the RES DEC and GA PMC of 1,000 ug/kg.
- Benzo(k)fluoranthene was detected at a concentration of 1,200 ug/kg in TP-15(4-5 ft) which exceeded the GA PMC of 1,000 ug/kg.
- Carbazole was detected at concentrations of 270 ug/kg in TP-13(2-3 ft) and 430 ug/kg in TP-15(4-5 ft) which exceeded the GA PMC of 200 ug/kg.
- Chrysene was detected at a concentration of 2,600 ug/kg in TP-15(4-5 ft) which exceeded the GA PMC of 1,000 ug/kg.
- Pentachlorophenol was detected at a concentration of 1,500 ug/kg in TP-15(4-5 ft) which exceeded the GA PMC of 1,000 ug/kg.

Soil Analytical Results Pesticides

The pesticides Chlordane and Dieldrin were detected in samples TP-13(2-3 ft) and/or TP-15(2-3 ft). Chlordane was detected at a concentration of 140 ug/kg in TP-13(2-3 ft) and 150 ug/kg in TP-15(2-3 ft), both exceeding the GA PMC of 66 ug/kg.

Other Soil Analytical Results

PCBs, VOCs, CTETPH, and Chlorinated Herbicides were analyzed in one or more of the test pit soil samples. These compounds were not detected above laboratory reporting limits.

Copies of the soil laboratory analytical reports are provided in Attachment D.

CONCLUSIONS AND RECOMMENDATIONS

Based on the August 2023 investigation activities conducted, the following conclusions and recommendations are provided:

- Limited sporadic debris was observed by EKI at the surface of the grass and wooded subject area. The scattered surface debris area was observed in an area that measured approximately 80 feet by 64 feet in size. The majority of the surface debris was located in the vicinity of TP-13, TP-14, and TP-15. Surface debris included plastic fragments, small pieces of metal, and glass/bottles.
- Test pitting identified buried debris/fill. The buried debris/fill area was approximately 40 feet by 16 feet (640 square feet in area) and extended to depths of approximately 3 - 4 feet bgs primarily at TP-13 and TP-15. The subsurface debris observed at TP-13 and TP-15 included asphalt shingle fragments, wood boards, small pieces of metal, brick, and glass/bottles. The debris was comingled with soil at depths ranging between 0.0 feet bgs to 3.5 feet bgs. The comingled soils are characterized as well graded dark brown sands. Native material underlies the debris/fill layer, characterized to be well graded reddish-brown sand with gravel. Groundwater was observed to

occur from approximately 2.75 feet to 4.25 feet below grade along the mixed debris test pit area. The percentage of debris in relation to the soil appeared to be approximately 5-8%. The overall volume of the debris and soil has been estimated to be between 71 and 95 cubic yards. The volume of debris within the soil approximately 4 – 8 cubic yards.

The laboratory analytical results indicated that metals (arsenic), PAHs, and pesticides are present in soils at concentrations that exceed applicable RSR criteria. Detections of metals such as arsenic and lead, and pesticides may be representative of the former agricultural use of the Site, and not associated with the debris observed in the dump area. Other metals such as barium, beryllium, cadmium, chromium, copper, mercury, nickel, vanadium, and zinc may be representative of naturally occurring metals in soil. PAHs detected in soils, some of which exceed applicable RSR criteria, may be representative of materials disposed of within the subject area, typical of residential trash burned and now decomposed.

It is EKIs understanding, based on meetings with the EHLT and CTDEEP representatives, that the mitigation objective to support a grant to purchase the Site would be the removal of the debris/fill. The "capping" of the land fill area and long-term monitoring is not a feasible alternative for the anticipated recreational use of the Site. Debris and impacted soil mitigation, by excavation and off-Site disposal to comply with the CTDEEP soil RES DEC and GA PMC would achieve compliance with the CTDEEP landfill regulations. Based on the discussions with the CTDEEP, and the data collected to date, the following course of action is recommended:

- Evaluate with CTDEEP if a landfill disruption authorization is needed. If the CTDEEP accepts that the volume of debris mixed in the soil is approximately 4 – 8 cubic yards, then it may be possible to proceed with the soil/debris removal without a landfill disruption authorization. If the CTDEEP takes the position that the debris/soil disruption in its entirety exceeds 10 yards, then a landfill disruption authorization, which may take 4-6 months for CTDEEP approval, may be necessary.
- Excavate for off-Site disposal an estimated 71 – 95 cubic yards of mixed soil and debris. Based on the analytical data conducted, this material is anticipated to be disposed of as a Connecticut regulated, non-hazardous waste. Upon profile acceptance, the waste may be suitable for disposal at a facility such as the Plainville, Connecticut landfill or Clean Earth facility.
- Remove remaining surface debris from an approximately 5,120 square foot area, not included within the excavation area by hand picking and raking. Handle debris as solid waste for disposal.
- Conduct soil confirmation sampling of area for constituents of concern. Confirm the soil mitigation measures meet the appropriate CTDEEP RSR RES DEC and GA PMC standards. If necessary, evaluate background concentration outside of debris/fill area to establish clean up objectives.
- Prepare and submit a mitigation closure report to the CTDEEP.

For budgetary planning, the following cost estimates are provided:

- Communication and, if needed, preparation of a Landfill Disruption Authorization for submittal to CTDEEP: $2,500 to $6,500.

- Excavation and off-Site disposal of approximately 71 – 95 cubic yards (anticipated 99 – 133 tons) of Connecticut Regulated Waste: $14,000 to $19,000[1]
- Surface debris mitigation and off-site disposal: $1,500 to $2,500
- Mitigation oversight, analytical testing, and reporting
    - Oversight and Reporting (assumes 3 field days): $14,000
    - Analytical budget: $5,100 (assumes 12 samples at a $425 / sample average)

Area restoration

- Import and place approximately 95 yards of topsoil/loam materials, grade and seed: $7,000

Estimated mitigation $ 44,100 to $54,100 [2]

Should you have any questions, please feel free to contact Tim Myjak at 860-398-0070.

Very truly yours,

EKI ENVIRONMENT & WATER, INC.

Mathias Onyeali
Geologist

Tim Myjak, LEP
Project Manager

Figures
Figure 1: Site Location Map
Figure 2: Site Plan
Figure 3: Site Plan – 2019 Aerial Photograph
Figure 4: Test Pit Investigation Plan

Table
Table 1: Soil Analytical Result Summary

Attachments
Attachment A: Affidavit Regarding Clean-Up of Dump Site

[1] TCLP metal laboratory analytical report pending. Assume material will be non-hazardous Connecticut Regulated Waste.
[2] Estimate does not include, if necessary, wetland permitting, approvals and/or sediment and erosion controls.

Attachment B: Test Pit Logs

Attachment C: Site Photographs – 25 August 2023

Attachment D: Laboratory Analytical Reports

References

CTDEEP, 2018. *Water Classification for East Haddam, Connecticut*, Connecticut Department of Energyand Environmental Protection, October 2018.

CTDEEP, 2021. *Connecticut Aquifer Protection Areas*, Connecticut, Connecticut Department of Energy and Environmental Protection, 18 December 2021.

CTDEEP, 2022. *Natural Diversity Data Base Areas*, *East Haddam*, Connecticut, Connecticut Department of Energy and Environmental Protection, June 2022.

CTDEEP Aquifer Protection Area, online mapping database. Aquifer Protection Area Maps

EHLT, 2022. Affidavit Regarding Clean-up of Dump Site, East Haddam Land Trust, Inc., September 2022.

USGS, 2005. *Quaternary Geologic Map of Connecticut and Long Island Sound Basin, Connecticut*, 2005.



Legend

Property Boundary

N

0 1 2

(Scale in Miles)

Notes

1. All locations are approximate.
2. Basemap courtesy of ESRI.

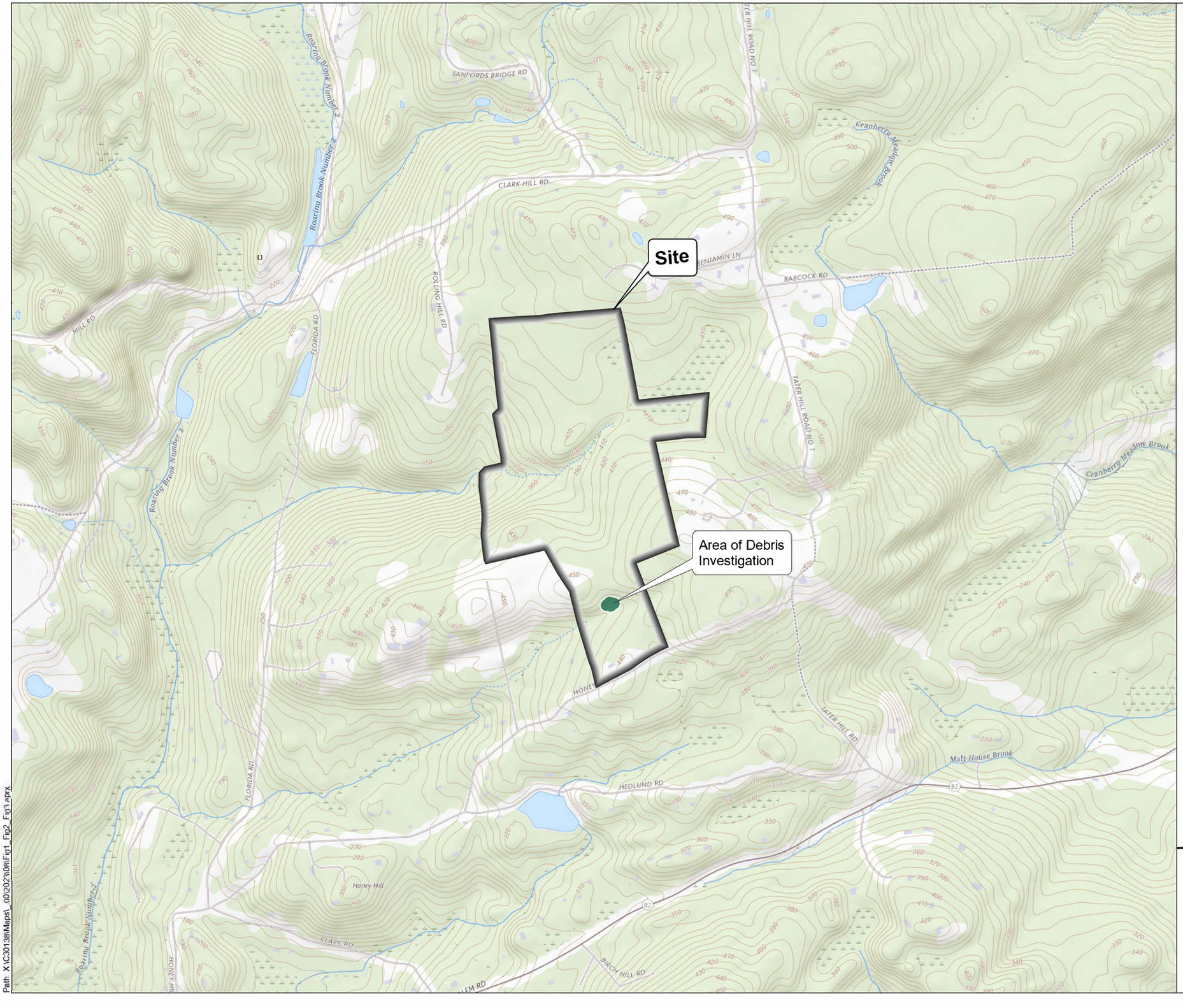
Site Location Map

Honey Hill Farm
103 Honey Hill Rd.
East Haddam, CT
September 2023
C30138.00

Figure 1

eki environment & water

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Legend

Property Boundary

Notes
1. All locations are approximate.
2. Basemap courtesy of ESRI.

N

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US Feet

Site Plan

Honey Hill Farm
103 Honey Hill Rd.
East Haddam, CT
September 2023
C30138.00
Figure 2

eki environment & water

Path: X:\C30138\Maps_00\2023\08\Fig1_Fig2_Fig3.aprx



Legend

Property Boundary

Notes
1. All locations are approximate.
2. Aerial Photo Source: State of Connecticut, 24 March, 2019.

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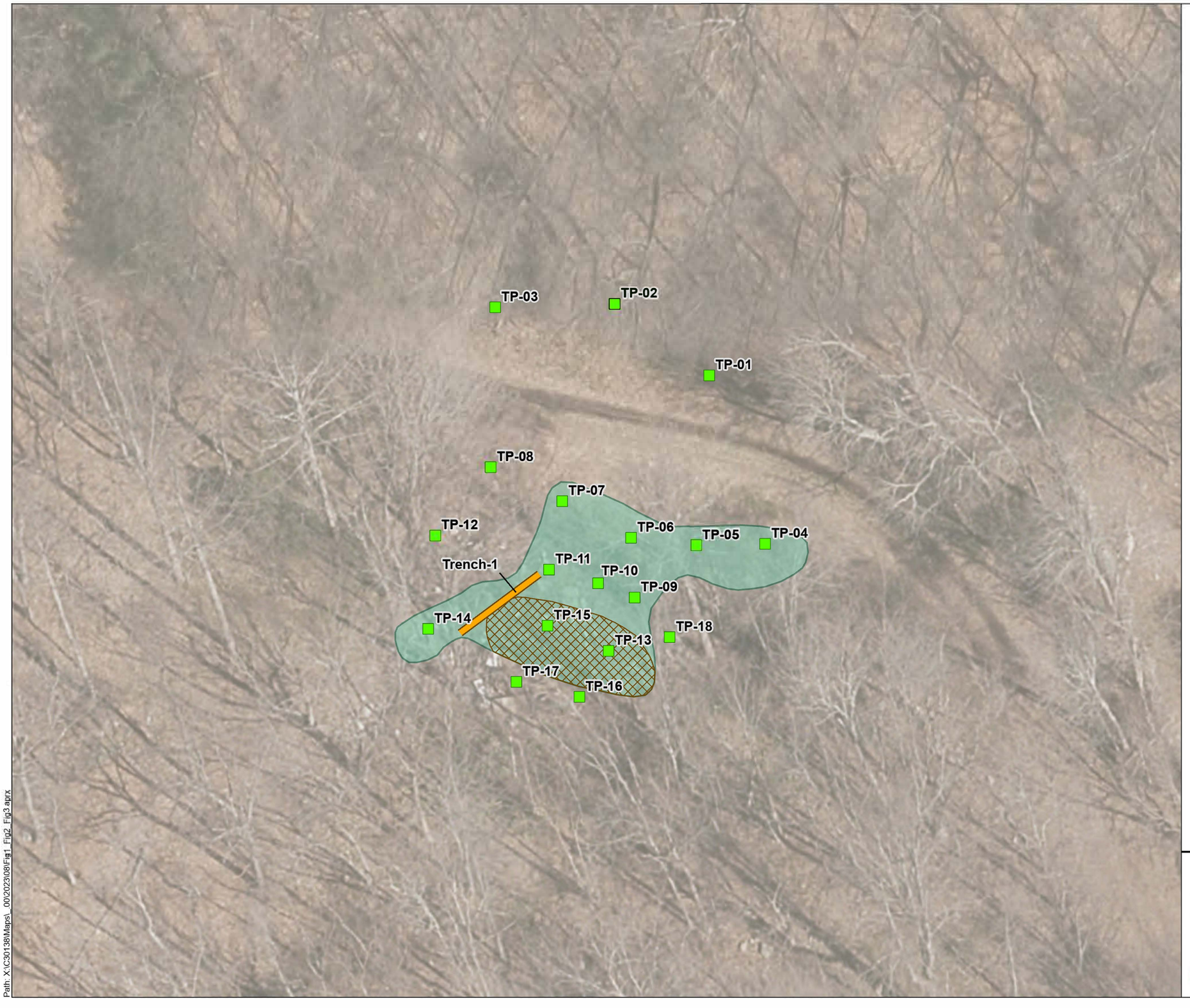
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Site Plan - 2019 Aerial Photograph

Honey Hill Farm
103 Honey Hill Rd.
East Haddam, CT
September 2023
C30138.00
Figure 3

eki environment & water

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Legend

- Test Pit Location
- Excavation Trench
- Surficial Debris
- Debris / Fill Below Grade Surface

Notes
1. All locations are approximate.
2. Aerial Photo Source: State of Connecticut, 24 March, 2019.

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Test Pit Investigation Plan

Honey Hill Farm
103 Honey Hill Rd.
East Haddam, CT
September 2023
C30138.00
Figure 4

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TABLE 1
Soil Analytical Summary Results
Honey Hill Farm
East Haddam, Connecticut

Sample ID and Sample Depth Sampling Date	CTDEEP RES DEC (c)(d)	CTDEEP GA PMC (e)(f)	TP-6(1-2) 8/25/2023 9:40:00 AM	TP-13(2-3) 8/25/2023 10:10:00 AM	TP-14(1-2) 8/25/2023 10:20:00 AM	TP-15(2-3) 8/25/2023 10:30:00 AM	TP-15(4-5) 8/25/2023 10:35:00 AM
Total Metals via RSR Metals	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Arsenic	10	NE	**6.9**	**16.9**	**12.1**	**37**	**16.9**
Barium	4,700	NE	**336**	**71**	**32.1**	**133**	**162**
Beryllium	2	NE	**0.45**	**1.24**	**0.55**	< 0.66	< 0.55
Cadmium	34	NE	**2.52**	**1.64**	**0.90**	**3.82**	**2.39**
Chromium	NE	NE	**33.4**	**72.1**	**38.3**	**38.1**	**27.1**
Copper	2,500	NE	**34.4**	**21.2**	**7.9**	**114**	**70.2**
Lead	400	NE	**51.7**	**41.8**	**7.98**	**282**	**280**
Mercury	20	NE	<0.04	**0.13**	**0.03**	**0.17**	**0.13**
Nickel	1,400	NE	**23.7**	**42.8**	**22.2**	**52.2**	**15.4**
Vanadium	470	NE	**35.1**	**59.4**	**37.2**	**240**	**25.6**
Zinc	20,000	NE	**152**	**92.3**	**36.3**	**1,010**	**640**
PAH via 8270	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Benzo(a)anthracene	1,000	1,000	<360	**700**	< 300	<1,000	**1,600**
Benzo(a)pyrene	1,000	1,000	<360	**880**	< 300	<1,000	**1,400**
Benzo(b)fluoranthene	1,000	1,000	<360	**1,800**	< 300	**1,100**	**3,500**
Benzo(k)fluoranthene	8,400	1,000	<360	**570**	< 300	<1,000	**1,200**
Carbazole	31,000	200	< 200	**270**	< 200	< 200	**430**
Chrysene	84,000	1,000	<360	**1,000**	< 300	<1,000	**2,600**
Fluoranthene	1,000,000	5,600	<360	**1,500**	< 300	<1,200	**2,600**
Indeno(1,2,3-cd)pyrene	1,000	1,000	<360	**540**	< 300	<1,000	< 1,000
Pentachlorophenol	5,100	1,000	< 520	<850	< 430	<1,000	**1,500**
Phenanthrene	1,000,000	4,000	<360	**820**	< 300	<1,200	<1,200
Pyrene	1,000,000	4,000	<360	**1,400**	< 300	<1,200	**4,000**
Pesticides By SW8081B	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Chlordane	490	66	NT	**140**	NT	**150**	NT
Dieldrin	38	7	NT	<2.9	NT	4.0	NT
PCBs By SW8082A (Soxhlet SW3540C)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
PCB Aroclors	1	NE	NT	<0.720	NT	<0.790	<0.760
VOCs By SW8260D							
All VOCs	Varies	Varies	NT	<MDL	NT	<MDL	NT
ETPH By CTETPH	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
ETPH	500	500	NT	<500	NT	<500	NT
Chlorinated Herbicides By SW8151A							
All Chlorinated Herbicides	Varies	Varies	NT	<MDL	NT	<MDL	NT

Abbreviations:
NT = not tested
NE = Not Established
mg/kg = milligrams per kilogram
ug/kg = micrograms per kilogram
<"#"= compound not detected at or above indicated laboratory reporting limit
<MDL = Method detection limit
CTDEEP = Connecticut Department of Energy and Environmental Protection
ETPH = Extractable Total Petroleum Hydrocarbons
PAHs = Polycyclic aromatic hydrocarbons
PCBs = Polychlorinated biphenyls
RES DEC = Residential Direct Exposure Criteria
GA PMC = GA Pollutant Mobility Criteria
U.S. EPA = United States Environmental Protection Agency
VOCs = Volatile organic compounds

(a) Metals were analyzed by EPA Method 6010D and 7471B, PAHs were analyzed by U.S. EPA Method 8270D, VOCs were analyzed by U.S. EPA Method 8260D, ETPH was analyzed by CTETPH, PCBs were analyzed by U.S. EPA method 8082A, Chlorinated Herbicides were analyzed by U.S. EPA Method 8151A, and Pesticides were analyzed by EPA methods 8081B. Samples analyzed by Phoenix Analytical Laboratories of Manchester, Connecticut. Sample results were reported on dry weight basis.

(b) **Bold** values indicates detected concentration. Bold and green highlighted value indicates detected concentration exceeds its respective soil criteria.

(c) CTDEEP Remediation Standard Regulations (RSRs), Direct Exposure Criteria for Soil, Residential, Revised 3/9/2021.
(d) CTDEEP RSRs, Direct Exposure for Soil, Residential - Additional Polluting Substance Criteria, Revised 3/25/2022.
(e) CTDEEP RSRs, Pollutant Mobility Criteria for Soil, GA, Revised 3/9/2021
(f) CTDEEP RSRs, Pollutant Mobility Criteria for Soil, GA - Additional Polluting Substance Criteria, Revised 3/25/2022

ATTACHMENT A

Affidavit Regarding Clean-Up of Dump Site

East Haddam Land Trust – Honey Hill Farm

APPENDIX BB

Affidavit Regarding Clean-Up of Dump Site

AFFIDAVIT

STATE OF CONNECTICUT)
: ss Haddam
COUNTY OF MIDDLESEX)

W. CAMERON BEARD, being duly sworn, deposes and says:

1. I am a 1986 graduate of the University of Connecticut School of Law. I retired in good standing from legal practice in 2022. I submit this affidavit in support of the application of East Haddam Land Trust, Inc. (EHLT) to the Connecticut Department of Energy and Environmental Protection (DEEP) for funding under the Open Space and Watershed Land Acquisition (OSWA) program to assist with the acquisition of the open space portion (some 123 acres) of the 126-acre Honey Hill Farm property in southeastern East Haddam, CT.

2. I am currently a director and the Stewardship Chair of EHLT, and I was closely involved in the negotiation of EHLT's contract for the purchase of HHF, which lies adjacent to and just to the east of my own property on Honey Hill Road in East Haddam, CT, where I have resided for 28 years.

3. Relevant to the matters covered herein, I previously operated a small commercial vineyard, producing wine grapes for sale to local wineries. In that connection, I received Private Pesticide Applicator Certificates from the Connecticut Department of Energy & Environmental Protection, such certificates being issued after taking the required courses of study and examination on two occasions over a period of some ten years. Accordingly, I believe that I am reasonably well positioned to identify certain hazardous materials used in agricultural contexts.

4. In the course of site visits to HHF in 2021, prior to the execution of a purchase contract, I noted the existence of a dump on the property. The location of that dump is reflected on the maps annexed hereto as **Exhibit A**. I estimated the size of the dump at the time to be some 60 feet by 40 feet wide, with a depth that was unknown but assumed to be anywhere from one to four feet. Subsequent measurements have generally confirmed those initial estimates.

5. It was informally agreed with the sellers of HHF that EHLT would be permitted, after signature of the contract of sale but before closing, to clean up the dump site at EHLT's expense.

6. The contract of sale for HHF was signed on August 1, 2022. We began clean-up of the dump site almost immediately, with initial work being done to clear brush and fallen limbs to allow for rubbish removal. I personally directed and was closely involved in the clean-up exercise, pictures of which are annexed hereto as **Exhibit B**. Videos were also taken during the clean-up and can be made available on request.

7. As reflected in Exhibit A, the dump site lies just to the south of a farm road. That farm road had clearly been the route used in the past by persons dumping rubbish. The dump site is also transected at an angle by an old stone wall. The rubbish encountered during the cleanup process was less deep (perhaps one foot) in the area to the north of the stone wall and closest to the farm road. The rubbish was somewhat deeper (perhaps three feet) on the south side of the stone wall, where the ground is lower than that next to the farm road, and where most older rubbish appeared to have been deposited.

8. The materials encountered during the clean-up process were of two types and were found at different levels during excavation. Close to the surface were items of household furniture and appliances, as well as household trash. We were surprised to find that some of these household materials were of relatively recent origin (10-30 years) but, because the rubbish in fact derived mostly from a private residence or residences, we were equally relieved to find little to no evidence of toxic materials in this layer. The

second layer, lying beneath the first, comprised older materials, including old farm implements, scrap metal, and the remains of an ancient barn that had apparently been demolished at some point in the past. We found little to no evidence of toxic materials in that layer either.

9. The clean-up process was conducted both by hand by the undersigned and with the assistance of neighbor who, using a large excavator, cleared and repeatedly excavated and churned the site to allow for access to the maximum amount of rubbish in the different layers encountered. Using this process, we filled a thirty-yard dumpster with 3.06 tons of non-metal rubbish. That dumpster was thereafter removed by a professional dumpster service. We also filled two smaller dumpsters with 3.11 tons of scrap metal, which was sold to a scrap metal dealer. Included in the scrap metal were several very old metal drums; however, they contained nothing, and I saw no evidence that they had contained toxic materials. Moreover, I have no reason to believe that HHF, on which no farming activity has been conducted for many decades, engaged in farming of a kind that would have involved the use of toxic materials or pesticides.

10. Also removed from the site and taken directly to the East Haddam Transfer Station for proper processing were: five television sets/computer monitors (the screens on none of which were broken), some twenty tires, and nine car or tractor batteries, several of which were compromised but others of which were intact. The car batteries were the only items I saw during the clean-up process that I considered potentially toxic, but they were few in number, they have been removed, and we are reasonably confident that no others are present.

11. Regrettably, we discovered that someone had dumped asphalt shingles from a roofing job at the site. We used best efforts to remove as much of that material as we practicably could do; however, many shingles had begun to degrade into dust or very small pieces, such that some small quantity of asphalt is likely still on site.

12. We did not make an effort to remove the wooden remnants of the ancient barn referenced above, as most of the wood was in an advanced state of decay and did not seem to present any environmental risk. We saw no

evidence of paint on the barn wood, and we therefore assume that either the barn was never painted or that the structure was demolished so long ago that all traces of paint had disappeared as the wood degraded underground. I estimate that we were successful in removing some 95% of all materials other than barn wood from the site.

13. In sum, we used best and substantial efforts to clean up the above-described dumping area, and I do not believe that the site currently represents an environmental hazard.

W. Cameron Beard

Sworn to before me this 1st
day of ~~August 2022~~ September 2022.

Notary Public

BEVERLY R. CHRISTOPHER
NOTARY PUBLIC
My Commission Expires 10/31/2027

Exhibit A



★ Location of Farm Dump



Stone Wall

Dump Perimeter

Exhibit B

August 3, 2022









August 4, 2022







August 5, 2022

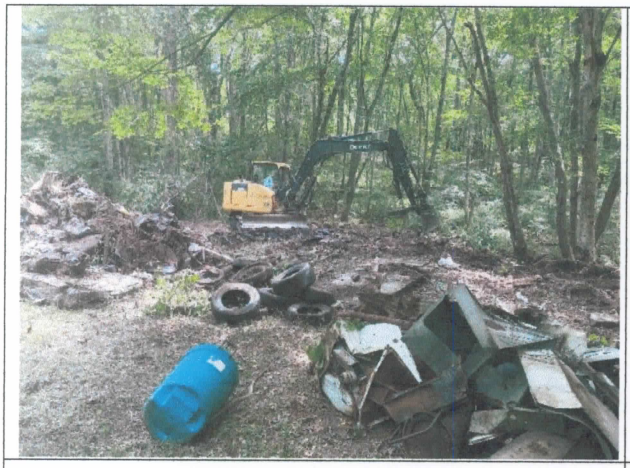




August 6, 2022



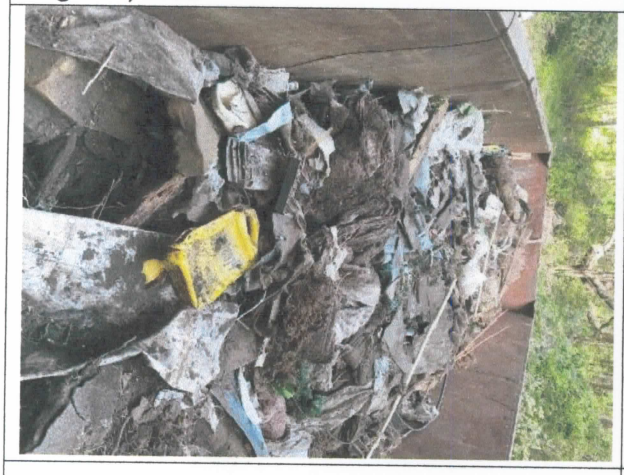








August 8, 2022





August 10, 2022









August 11, 2022

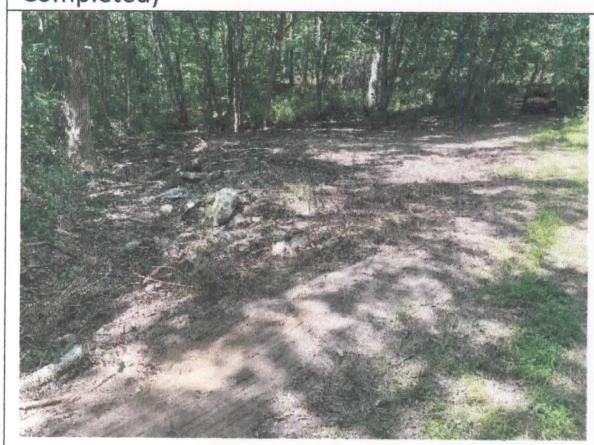








August 15, 2022 (Dumpster Removed/Job Completed)





ATTACHMENT B

Test Pit Logs

eki environment & water

Test Pit ID: **TP-1**

Project: Honey Hill Farm
Job No: C30138.00
Location: 103 Honey Hill Road, East Haddam , CT
Total Depth: 3 ft bgs
Test Pit Width: ~4 ft

Excavator Co: Sikorsky
Excavator Method: Test Pit Excavation
Excavator Rig: E80 Bobcat
Operator: Ray Sikorsky
Logged By: Mathias Onyeali
Reviewed By: Tim Myjak
(initial when complete)
Remarks:

Ground Surface Elevation (ft): Not Measured
Elevation Datum: NAD 1983, StatePlane CT, Ft
Northing (N): 1103970.30883
Easting (E): 719921.968928
Date(s): 8/25/2023
Time: 07:40

Depth (ft bgs)	OVM (ppm)	Sample ID	Material Description and Observations	USCS	Strati-graphy	Water Depth	Depth (ft bgs)
0		0	SANDY SILT; dark brown (10YR 3/3); 75% silt, 20% fine-grained sand; 5% clay; brush, long grass, leaves, some mositure	ML			0
	0.0		WELL-GRADED SAND; reddish brown (5YR 4/4); 70% coarse to fine-grained sand; 20% coarse to fine gravel; 10% silt; loose, some moisture	SW			
1	0.0	1					1
	0.0						
2	0.0	2					2
	0.0						
3	0.0	3	End of Test Pit				3

General Notes: Soil backfilled to the approximate elevation it was excavated from.

eki environment & water

Test Pit ID: **TP-2**

Project: Honey Hill Farm
Job No: C30138.00
Location: 103 Honey Hill Road, East Haddam , CT
Total Depth: 3 ft bgs
Test Pit Width: ~4 ft

Excavator Co: Sikorsky
Excavator Method: Test Pit Excavation
Excavator Rig: E80 Bobcat
Operator: Ray Sikorsky
Logged By: Mathias Onyeali
Reviewed By: Tim Myjak
(initial when complete)
Remarks:

Ground Surface Elevation (ft): Not Measured
Elevation Datum: NAD 1983, StatePlane CT, Ft
Northing (N): 1103950.83151
Easting (E): 719936.788124
Date(s): 8/25/2023
Time: 07:45

Depth (ft bgs)	OVM (ppm)	Sample ID	Material Description and Observations	USCS	Strati-graphy	Water Depth	Depth (ft bgs)
0		0	SANDY SILT; dark brown (10YR 3/3); 75% silt, 20% fine-grained sand; 5% clay; brush, long grass, leaves, some mositure	ML			0
	0.0		WELL-GRADED SAND; reddish brown (5YR 4/4); 70% coarse to fine-grained sand; 20% coarse to fine gravel; 10% silt; loose, some moisture	SW			
1	0.0	1					1
	0.0	*TP-2(1-2 ft)*					
2	0.0	2					2
	0.0	*TP-2(2-3 ft)*					
3	0.0	3	End of Test Pit				3

General Notes: Soil backfilled to the approximate elevation it was excavated from.

eki environment & water

Test Pit ID: **TP-3**

Project: Honey Hill Farm
Job No: C30138.00
Location: 103 Honey Hill Road, East Haddam , CT
Total Depth: 3 ft bgs
Test Pit Width: ~4 ft

Excavator Co: Sikorsky
Excavator Method: Test Pit Excavation
Excavator Rig: E80 Bobcat
Operator: Ray Sikorsky
Logged By: Mathias Onyeali
Reviewed By: Tim Myjak
(initial when complete)
Remarks:

Ground Surface Elevation (ft): Not Measured
Elevation Datum: NAD 1983, StatePlane CT, Ft
Northing (N): 1103926.14783
Easting (E): 719936.006301
Date(s): 8/25/2023
Time: 07:50

Depth (ft bgs)	OVM (ppm)	Sample ID	Material Description and Observations	USCS	Strati-graphy	Water Depth	Depth (ft bgs)
0		0	SANDY SILT; dark brown (10YR 3/3); 75% silt, 20% fine-grained sand; 5% clay; brush, long grass, leaves, some mositure	ML			0
	0.0		WELL-GRADED SAND; reddish brown (5YR 4/4); 70% coarse to fine-grained sand; 20% coarse to fine gravel; 10% silt; loose, some moisture	SW			
1	0.0	1					1
	0.0						
2	0.0	2					2
	0.0						
3	0.0	3	End of Test Pit				3

General Notes: Soil backfilled to the approximate elevation it was excavated from.

eki environment & water

Test Pit ID: **TP-4**

Project: Honey Hill Farm
Job No: C30138.00
Location: 103 Honey Hill Road, East Haddam , CT
Total Depth: 3 ft bgs
Test Pit Width: ~4 ft

Excavator Co: Sikorsky
Excavator Method: Test Pit Excavation
Excavator Rig: E80 Bobcat
Operator: Ray Sikorsky
Logged By: Mathias Onyeali
Reviewed By: Tim Myjak
(initial when complete)
Remarks:

Ground Surface Elevation (ft): Not Measured
Elevation Datum: NAD 1983, StatePlane CT, Ft
Northing (N): 1103981.82751
Easting (E): 719887.233433
Date(s): 8/25/2023
Time: 07:55

Depth (ft bgs)	OVM (ppm)	Sample ID	Material Description and Observations	USCS	Strati-graphy	Water Depth	Depth (ft bgs)
0		0	SANDY SILT; dark brown (10YR 3/3); 75% silt, 20% fine-grained sand; 5% clay; long grass, leaves, some mositure, minor surficial debris plastic, bottles, and glass	ML			0
	0.0		POORLY GRADED GRAVEL;dark yellowish brown (10YR 4/6); 60% coarse to fine-grained gravel; 35% coarse to fine-grained sand; 5% silt; loose, dry	GP			
1	0.0	1					1
	0.0	*TP-4(1-2 ft)*					
2	0.0	2					2
	0.0	*TP-4(2-3 ft)*					
3	0.0	3	End of Test Pit				3

General Notes: Soil backfilled to the approximate elevation it was excavated from.

eki environment & water

Test Pit ID: **TP-5**

Project: Honey Hill Farm
Job No: C30138.00
Location: 103 Honey Hill Road, East Haddam , CT
Total Depth: 3 ft bgs
Test Pit Width: ~4 ft

Excavator Co: Sikorsky
Excavator Method: Test Pit Excavation
Excavator Rig: E80 Bobcat
Operator: Ray Sikorsky
Logged By: Mathias Onyeali
Reviewed By: Tim Myjak
(initial when complete)
Remarks:

Ground Surface Elevation (ft): Not Measured
Elevation Datum: NAD 1983, StatePlane CT, Ft
Northing (N): 1103967.63659
Easting (E): 719887.012305
Date(s): 8/25/2023
Time: 08:00

Depth (ft bgs)	OVM (ppm)	Sample ID	Material Description and Observations	USCS	Strati-graphy	Water Depth	Depth (ft bgs)
0		0	SANDY SILT; dark brown (10YR 3/3); 75% silt, 20% fine-grained sand; 5% clay; long grass, leaves, some mositure, minor surficial debris plastic, bottles, and glass	ML			0
	0.0		POORLY GRADED GRAVEL;dark yellowish brown (10YR 4/6); 60% coarse to fine-grained gravel; 35% coarse to fine-grained sand; 5% silt; loose, some mositure	GP			
1	0.0	1					1
	0.0						
2	0.0	2					2
	0.0						
3	0.0	3	End of Test Pit				3

General Notes: Soil backfilled to the approximate elevation it was excavated from.

eki environment & water

Test Pit ID: **TP-6**

Project: Honey Hill Farm
Job No: C30138.00
Location: 103 Honey Hill Road, East Haddam , CT
Total Depth: 3 ft bgs
Test Pit Width: ~4 ft

Excavator Co: Sikorsky
Excavator Method: Test Pit Excavation
Excavator Rig: E80 Bobcat
Operator: Ray Sikorsky
Logged By: Mathias Onyeali
Reviewed By: Tim Myjak
(initial when complete)
Remarks:

Ground Surface Elevation (ft): Not Measured
Elevation Datum: NAD 1983, StatePlane CT, Ft
Northing (N): 1103954.17238
Easting (E): 719888.49032
Date(s): 8/25/2023
Time: 08:05

Depth (ft bgs)	OVM (ppm)	Sample ID	Material Description and Observations	USCS	Strati-graphy	Water Depth	Depth (ft bgs)
0		0	SANDY SILT; dark brown (10YR 3/3); 75% silt, 20% fine-grained sand; 5% clay; long grass, leaves, some mositure, minor surficial debris plastic, bottles, and glass	ML			0
			POORLY GRADED GRAVEL;dark yellowish brown (10YR 4/6); 60% coarse to fine-grained gravel; 35% coarse to fine-grained sand; 5% silt; loose, some mositure	GP			
	0.0						
1	0.0	1					1
	0.0	*TP-6(1-2 ft)*					
2	0.0	2					2
	0.0	*TP-6(2-3 ft)*					
3	0.0	3	End of Test Pit				3

General Notes: Soil backfilled to the approximate elevation it was excavated from.

eki environment & water

Test Pit ID: **TP-7**

Project: Honey Hill Farm
Job No: C30138.00
Location: 103 Honey Hill Road, East Haddam , CT
Total Depth: 3 ft bgs
Test Pit Width: ~4 ft

Excavator Co: Sikorsky
Excavator Method: Test Pit Excavation
Excavator Rig: E80 Bobcat
Operator: Ray Sikorsky
Logged By: Mathias Onyeali
Reviewed By: Tim Myjak
(initial when complete)
Remarks:

Ground Surface Elevation (ft): Not Measured
Elevation Datum: NAD 1983, StatePlane CT, Ft
Northing (N): 1103939.98278
Easting (E): 719896.028691
Date(s): 8/25/2023
Time: 08:10

Depth (ft bgs)	OVM (ppm)	Sample ID	Material Description and Observations	USCS	Strati-graphy	Water Depth	Depth (ft bgs)
0		0	SANDY SILT; dark brown (10YR 3/3); 75% silt, 20% fine-grained sand; 5% clay; long grass, leaves, some mositure, minor surficial debris plastic, bottles, and glass	ML			0
	0.0		POORLY GRADED GRAVEL;dark yellowish brown (10YR 4/6); 60% coarse to fine-grained gravel; 35% coarse to fine-grained sand; 5% silt; loose,some mositure	GP			
1	0.0	1					1
	0.0						
2	0.0	2					2
	0.0						
3	0.0	3	End of Test Pit				3

General Notes: Soil backfilled to the approximate elevation it was excavated from.

eki environment & water

Test Pit ID: TP-8

Project: Honey Hill Farm
Job No: C30138.00
Location: 103 Honey Hill Road, East Haddam , CT
Total Depth: 4 ft bgs
Test Pit Width: ~4 ft

Excavator Co: Sikorsky
Excavator Method: Test Pit Excavation
Excavator Rig: E80 Bobcat
Operator: Ray Sikorsky
Logged By: Mathias Onyeali
Reviewed By: Tim Myjak
(initial when complete)
Remarks:

Ground Surface Elevation (ft): Not Measured
Elevation Datum: NAD 1983, StatePlane CT, Ft
Northing (N): 1103925.28235
Easting (E): 719903.117916
Date(s): 8/25/2023
Time: 08:15

Depth (ft bgs)	OVM (ppm)	Sample ID	Material Description and Observations	USCS	Strati-graphy	Water Depth	Depth (ft bgs)
0		0	SANDY SILT; dark brown (10YR 3/3); 75% silt, 20% fine-grained sand; 5% clay; long grass, leaves, some mositure	ML			0
	0.0		WELL-GRADED SAND; reddish brown (5YR 4/4); 70% coarse to fine-grained sand; 20% coarse to fine gravel; 10% silt; loose, some moisture, wet @ 3.5 feet bgs	SW			
1	0.0	1					1
	0.0	*TP-8(1-2 ft)*					
2	0.0	2					2
	0.0	*TP-8(3-4 ft)*					
3	0.0	3					3
4		4	End of Test Pit			▽	4

General Notes: Soil backfilled to the approximate elevation it was excavated from.

eki environment & water

Test Pit ID: **TP-9**

Project: Honey Hill Farm
Job No: C30138.00
Location: 103 Honey Hill Road, East Haddam , CT
Total Depth: 3 ft bgs
Test Pit Width: ~4 ft

Excavator Co: Sikorsky
Excavator Method: Test Pit Excavation
Excavator Rig: E80 Bobcat
Operator: Ray Sikorsky
Logged By: Mathias Onyeali
Reviewed By: Tim Myjak
(initial when complete)
Remarks:

Ground Surface Elevation (ft): Not Measured
Elevation Datum: NAD 1983, StatePlane CT, Ft
Northing (N): 1103954.91516
Easting (E): 719876.154059
Date(s): 8/25/2023
Time: 08:20

Depth (ft bgs)	OVM (ppm)	Sample ID	Material Description and Observations	USCS	Strati-graphy	Water Depth	Depth (ft bgs)
0		0	SANDY SILT; dark brown (10YR 3/3); 75% silt, 20% fine-grained sand; 5% clay; long grass, leaves, some mositure, minor surficial debris plastic, bottles, and glass	ML			0
	0.0		POORLY GRADED GRAVEL;dark yellowish brown (10YR 4/6); 60% coarse to fine-grained gravel; 35% coarse to fine-grained sand; 5% silt; loose, some mositure	GP			
1	0.0	1					1
	0.0						
2	0.0	2					2
	0.0						
3	0.0	3	End of Test Pit				3

General Notes: Soil backfilled to the approximate elevation it was excavated from.

eki environment & water

Test Pit ID: **TP-10**

Project: Honey Hill Farm
Job No: C30138.00
Location: 103 Honey Hill Road, East Haddam , CT
Total Depth: 3 ft bgs
Test Pit Width: ~4 ft

Excavator Co: Sikorsky
Excavator Method: Test Pit Excavation
Excavator Rig: E80 Bobcat
Operator: Ray Sikorsky
Logged By: Mathias Onyeali
Reviewed By: Tim Myjak
(initial when complete)
Remarks:

Ground Surface Elevation (ft): Not Measured
Elevation Datum: NAD 1983, StatePlane CT, Ft
Northing (N): 1103947.3781
Easting (E): 719879.109105
Date(s): 8/25/2023
Time: 08:25

Depth (ft bgs)	OVM (ppm)	Sample ID	Material Description and Observations	USCS	Strati-graphy	Water Depth	Depth (ft bgs)
0		0	SANDY SILT; dark brown (10YR 3/3); 75% silt, 20% fine-grained sand; 5% clay; long grass, leaves, some mositure.	ML			0
			POORLY GRADED GRAVEL;dark yellowish brown (10YR 4/6); 60% coarse to fine-grained gravel; 35% coarse to fine-grained sand; 5% silt; loose, some mositure	GP			
	0.0						
1	0.0	1					1
	0.0	*TP-10(1-2 ft)*					
2	0.0	2					2
	0.0	*TP-10(2-3 ft)*					
3	0.0	3	End of Test Pit				3

General Notes: Soil backfilled to the approximate elevation it was excavated from.

eki environment & water

Test Pit ID: **TP-11**

Project: Honey Hill Farm
Job No: C30138.00
Location: 103 Honey Hill Road, East Haddam , CT
Total Depth: 3 ft bgs
Test Pit Width: ~4 ft

Excavator Co: Sikorsky
Excavator Method: Test Pit Excavation
Excavator Rig: E80 Bobcat
Operator: Ray Sikorsky
Logged By: Mathias Onyeali
Reviewed By: Tim Myjak
(initial when complete)
Remarks:

Ground Surface Elevation (ft): Not Measured
Elevation Datum: NAD 1983, StatePlane CT, Ft
Northing (N): 1103937.25804
Easting (E): 719881.921108
Date(s): 8/25/2023
Time: 08:30

Depth (ft bgs)	OVM (ppm)	Sample ID	Material Description and Observations	USCS	Strati-graphy	Water Depth	Depth (ft bgs)
0		0	SANDY SILT; dark brown (10YR 3/3); 75% silt, 20% fine-grained sand; 5% clay; long grass, leaves, some mositure, minor surficial debris plastic, bottles, and glass	ML			0
	0.0		POORLY GRADED GRAVEL;dark yellowish brown (10YR 4/6); 60% coarse to fine-grained gravel; 35% coarse to fine-grained sand; 5% silt; loose, some mositure	GP			
1	0.0	1					1
	0.0						
2	0.0	2					2
	0.0						
3	0.0	3	End of Test Pit				3

General Notes: Soil backfilled to the approximate elevation it was excavated from.

eki environment & water

Test Pit ID: **TP-12**

Project: Honey Hill Farm
Job No: C30138.00
Location: 103 Honey Hill Road, East Haddam , CT
Total Depth: 3 ft bgs
Test Pit Width: ~4 ft

Excavator Co: Sikorsky
Excavator Method: Test Pit Excavation
Excavator Rig: E80 Bobcat
Operator: Ray Sikorsky
Logged By: Mathias Onyeali
Reviewed By: Tim Myjak
(initial when complete)
Remarks:

Ground Surface Elevation (ft): Not Measured
Elevation Datum: NAD 1983, StatePlane CT, Ft
Northing (N): 1103913.84995
Easting (E): 719888.987038
Date(s): 8/25/2023
Time: 08:35

Depth (ft bgs)	OVM (ppm)	Sample ID	Material Description and Observations	USCS	Strati-graphy	Water Depth	Depth (ft bgs)
0		0	SANDY SILT; dark brown (10YR 3/3); 75% silt, 20% fine-grained sand; 5% clay; long grass, leaves, some mositure	ML			0
	0.0		WELL-GRADED SAND; reddish brown (5YR 4/4); 70% coarse to fine-grained sand; 20% coarse to fine gravel; 10% silt; loose, some moisture	SW			
1	0.0	1					1
	0.0	*TP-12(1-2 ft)*					
2	0.0	2					2
	0.0	*TP-12(2-3 ft)*					
3	0.0	3	End of Test Pit				3

General Notes: Soil backfilled to the approximate elevation it was excavated from.

eki environment & water

Test Pit ID: **TP-13**

Project: Honey Hill Farm
Job No: C30138.00
Location: 103 Honey Hill Road, East Haddam , CT
Total Depth: 5 ft bgs
Test Pit Width: ~4 ft

Excavator Co: Sikorsky
Excavator Method: Test Pit Excavation
Excavator Rig: E80 Bobcat
Operator: Ray Sikorsky
Logged By: Mathias Onyeali
Reviewed By: Tim Myjak
(initial when complete)
Remarks:

Ground Surface Elevation (ft): Not Measured
Elevation Datum: NAD 1983, StatePlane CT, Ft
Northing (N): 1103949.54247
Easting (E): 719865.161955
Date(s): 8/25/2023
Time: 08:40

Depth (ft bgs)	OVM (ppm)	Sample ID	Material Description and Observations	USCS	Strati-graphy	Water Depth
0			SANDY SILT; dark brown (10YR 3/3); 75% silt, 20% fine-grained sand; 5% clay; long grass, leaves, some mositure, mixed in debris plastic, bottles, metal, and glass.	ML		
	0.0		WELL-GRADED SAND; dark brown (10YR 3/3); 60% coarse to fine-grained sand; 10% coarse to fine gravel; 10% silt; Solid waste fill > 20% of material observed; black asphalt roofing material, brown rubber material, metal stakes, sheet metal, plastics, glass bottles, brick, loose, dry, no odor loose, some moisture	SW		
1	0.0					
	0.0					
2	0.0	*BULK-1*				
	0.0	*TP-13(2-3 ft)*				
3	0.0	*BULK-2*				
	0.0		WELL-GRADED SAND; reddish brown (5YR 4/4); 70% coarse to fine-grained sand; 20% coarse to fine gravel; 10% silt; loose, wet	SW		▽
4	0.0					
	0.0	*TP-13(4-5 ft)*				
5	0.0		End of Test Pit			

General Notes: Soil backfilled to the approximate elevation it was excavated from.

eki environment & water

Test Pit ID: **TP-14**

Project: Honey Hill Farm
Job No: C30138.00
Location: 103 Honey Hill Road, East Haddam , CT
Total Depth: 3 ft bgs
Test Pit Width: ~4 ft

Excavator Co: Sikorsky
Excavator Method: Test Pit Excavation
Excavator Rig: E80 Bobcat
Operator: Ray Sikorsky
Logged By: Mathias Onyeali
Reviewed By: Tim Myjak
(initial when complete)
Remarks:

Ground Surface Elevation (ft): Not Measured
Elevation Datum: NAD 1983, StatePlane CT, Ft
Northing (N): 1103912.32568
Easting (E): 719869.703284
Date(s): 8/25/2023
Time: 08:45

Depth (ft bgs)	OVM (ppm)	Sample ID	Material Description and Observations	USCS	Strati-graphy	Water Depth	Depth (ft bgs)
0			0 SANDY SILT; dark brown (10YR 3/3); 75% silt, 20% fine-grained sand; 5% clay; long grass, leaves, some mositure, debris plastic, bottles, metal, and glass.	ML			0
	0.0		WELL-GRADED SAND; reddish brown (5YR 4/4); 70% coarse to fine-grained sand; 20% coarse to fine gravel; 10% silt; loose, some moisture	SW			
1	0.0		1				1
	0.0	*TP-14(1-2 ft)*					
2	0.0		2				2
	0.0	*TP-14(2-3 ft)*					
3	0.0		3 End of Test Pit				3

General Notes: Soil backfilled to the approximate elevation it was excavated from.

eki environment & water

Test Pit ID: **TP-15**

Project: Honey Hill Farm
Job No: C30138.00
Location: 103 Honey Hill Road, East Haddam , CT
Total Depth: 5 ft bgs
Test Pit Width: ~4 ft

Excavator Co: Sikorsky
Excavator Method: Test Pit Excavation
Excavator Rig: E80 Bobcat
Operator: Ray Sikorsky
Logged By: Mathias Onyeali
Reviewed By: Tim Myjak
(initial when complete)
Remarks:

Ground Surface Elevation (ft): Not Measured
Elevation Datum: NAD 1983, StatePlane CT, Ft
Northing (N): 1103936.94833
Easting (E): 719870.359779
Date(s): 8/25/2023
Time: 08:50

Depth (ft bgs)	OVM (ppm)	Sample ID	Material Description and Observations	USCS	Strati-graphy	Water Depth
0			SANDY SILT; dark brown (10YR 3/3); 75% silt, 20% fine-grained sand; 5% clay; long grass, leaves, some mositure, mixed in debris plastic, bottles, metal, and glass.	ML		
	0.0		WELL-GRADED SAND; dark brown (10YR 3/3); 60% coarse to fine-grained sand; 10% coarse to fine gravel; 10% silt; Solid waste fill > 20% of material observed; black asphalt roofing material, brown rubber material, metal stakes, sheet metal, plastics, glass bottles, brick, loose, dry, no odor loose, some moisture	SW		
1	0.0					
	0.0					
2	0.0	*BULK-3*				
	0.0	*TP-15(2-3 ft)*				
3	0.0					
	0.0		WELL-GRADED SAND; reddish brown (5YR 4/4); 70% coarse to fine-grained sand; 20% coarse to fine gravel; 10% silt; loose, wet	SW		▽
4	0.0					
	0.0	*TP-15(4-5 ft)*				
5	0.0		End of Test Pit			

General Notes: Soil backfilled to the approximate elevation it was excavated from.

eki environment & water

Test Pit ID: **TP-16**

Project: Honey Hill Farm
Job No: C30138.00
Location: 103 Honey Hill Road, East Haddam , CT
Total Depth: 3 ft bgs
Test Pit Width: ~4 ft

Excavator Co: Sikorsky
Excavator Method: Test Pit Excavation
Excavator Rig: E80 Bobcat
Operator: Ray Sikorsky
Logged By: Mathias Onyeali
Reviewed By: Tim Myjak
(initial when complete)
Remarks:

Ground Surface Elevation (ft): Not Measured
Elevation Datum: NAD 1983, StatePlane CT, Ft
Northing (N): 1103943.5205
Easting (E): 719855.685268
Date(s): 8/25/2023
Time: 08:55

Depth (ft bgs)	OVM (ppm)	Sample ID	Material Description and Observations	USCS	Strati-graphy	Water Depth	Depth (ft bgs)
0		0	WELL-GRADED SAND; dark brown (10YR 3/3); 70% coarse to fine-grained sand; 20% coarse to fine gravel; 10% silt; loose, moist, wet @ 2.75 feet bgs	SW			0
	0.0						
1	0.0	1					1
	0.0	*TP-16(1-2 ft)*					
2	0.0	2					2
	0.0	*TP-16(2-3 ft)*				▽	
3	0.0	3	End of Test Pit				3

General Notes: Soil backfilled to the approximate elevation it was excavated from.

eki environment & water

Test Pit ID: **TP-17**

Project: Honey Hill Farm
Job No: C30138.00
Location: 103 Honey Hill Road, East Haddam , CT
Total Depth: 3 ft bgs
Test Pit Width: ~4 ft

Excavator Co: Sikorsky
Excavator Method: Test Pit Excavation
Excavator Rig: E80 Bobcat
Operator: Ray Sikorsky
Logged By: Mathias Onyeali
Reviewed By: Tim Myjak
(initial when complete)
Remarks:

Ground Surface Elevation (ft): Not Measured
Elevation Datum: NAD 1983, StatePlane CT, Ft
Northing (N): 1103930.5156
Easting (E): 719858.779094
Date(s): 8/25/2023
Time: 09:00

Depth (ft bgs)	OVM (ppm)	Sample ID	Material Description and Observations	USCS	Strati-graphy	Water Depth	Depth (ft bgs)
0			WELL-GRADED SAND; dark brown (10YR 3/3); 70% coarse to fine-grained sand; 20% coarse to fine gravel; 10% silt; loose, moist, wet @ 2.75 feet bgs	SW			0
	0.0						
1	0.0						1
	0.0	*TP-17(1-2 ft)*					
2	0.0						2
	0.0	*TP-17(2-3 ft)*					
3	0.0		End of Test Pit			▽	3

General Notes: Soil backfilled to the approximate elevation it was excavated from.

eki environment & water

Test Pit ID: **TP-18**

Project: Honey Hill Farm
Job No: C30138.00
Location: 103 Honey Hill Road, East Haddam , CT
Total Depth: 3 ft bgs
Test Pit Width: ~4 ft

Excavator Co: Sikorsky
Excavator Method: Test Pit Excavation
Excavator Rig: E80 Bobcat
Operator: Ray Sikorsky
Logged By: Mathias Onyeali
Reviewed By: Tim Myjak
(initial when complete)
Remarks:

Ground Surface Elevation (ft): Not Measured
Elevation Datum: NAD 1983, StatePlane CT, Ft
Northing (N): 1103962.12775
Easting (E): 719868.00086
Date(s): 8/25/2023
Time: 10:00

Depth (ft bgs)	OVM (ppm)	Sample ID	Material Description and Observations	USCS	Strati-graphy	Water Depth	Depth (ft bgs)
0			WELL-GRADED SAND; dark brown (10YR 3/3); 70% coarse to fine-grained sand; 20% coarse to fine gravel; 10% silt; loose, loose, moist, wet @ 3 feet bgs	SW			0
	0.0						
1	0.0						1
	0.0	*TP-18(1-2 ft)*					
2	0.0						2
	0.0	*TP-18(2-3 ft)*					
3	0.0		End of Test Pit			▽	3

General Notes: Soil backfilled to the approximate elevation it was excavated from.

ATTACHMENT C

Site Photographs – 25 August 2023

APPENDIX B
SELECTED PHOTOGRAPHS OF THE HONEY HILL FARM TEST PIT INVESTIGATION
25 August 2023



Photo 1: Area of Investigation, looking southwest.



Photo 2: Test Pit TP-02 along eastern side of investigation area, native material, looking west.



Photo 3: Test Pit TP-05 south of the access road, native coarse to fine gravelly native material, looking southwest.



Photo 4: Test Pit TP-13 containing fill material including black asphalt roofing material, brown rubber material, sheet metal, plastics, glass bottles, brick.



Photo 5: Test Pit TP-15 containing fill material including black asphalt roofing material, sheet metal, plastics, glass bottles, brick.



Photo 6: Black asphalt roofing material from Test Pit TP-13.

ATTACHMENT D

Laboratory Analytical Reports

PHOENIX
Environmental Laboratories, Inc.

Tuesday, September 05, 2023

Attn: Tim Myjak
EKI Environmental & Water Inc
80 Eastern Blvd. Suite 5
Glastonbury, CT 06033

Project ID: **C30138 HONEY HILL (C3-210)**
SDG ID: **GCO83148**
Sample ID#s: **CO83148 - CO83150**

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.

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,

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
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 05, 2023

SDG I.D.: GCO83148

Project ID: C30138 HONEY HILL (C3-210)

Client Id	Lab Id	Matrix
BULK-1 (BLACK ASPHALT SHINGLES)	CO83148	BULK
BULK-2 (BROWN MATERIAL)	CO83149	BULK
BULK-3 (BLACK ASPHALT SHINGLES)	CO83150	BULK

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 05, 2023

FOR: Attn: Tim Myjak
EKI Environmental & Water Inc
80 Eastern Blvd. Suite 5
Glastonbury, CT 06033

Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:		08/25/23	10:10
Location Code:	EKI	Received by:	SR1	08/25/23	13:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	C3-210 C30138				

Laboratory Data

SDG ID: GCO83148
Phoenix ID: CO83148

Project ID: C30138 HONEY HILL (C3-210)
Client ID: BULK-1 (BLACK ASPHALT SHINGLES)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Asbestos	ND		%		09/01/23	*	NYSDOH 198.1 PLM	C

C = This parameter is subcontracted.

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

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
September 05, 2023
Reviewed and Released by: Ethan Lee, 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

September 05, 2023

FOR: Attn: Tim Myjak
EKI Environmental & Water Inc
80 Eastern Blvd. Suite 5
Glastonbury, CT 06033

Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:		08/25/23	10:11
Location Code:	EKI	Received by:	SR1	08/25/23	13:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	C3-210 C30138				

Laboratory Data

SDG ID: GCO83148
Phoenix ID: CO83149

Project ID: C30138 HONEY HILL (C3-210)
Client ID: BULK-2 (BROWN MATERIAL)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Asbestos	ND		%		09/01/23	*	NYSDOH 198.1 PLM	C

C = This parameter is subcontracted.

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

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
September 05, 2023
Reviewed and Released by: Ethan Lee, 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

September 05, 2023

FOR: Attn: Tim Myjak
EKI Environmental & Water Inc
80 Eastern Blvd. Suite 5
Glastonbury, CT 06033

Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:		08/25/23	10:32
Location Code:	EKI	Received by:	SR1	08/25/23	13:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	C3-210 C30138				

Laboratory Data

SDG ID: GCO83148
Phoenix ID: CO83150

Project ID: C30138 HONEY HILL (C3-210)
Client ID: BULK-3 (BLACK ASPHALT SHINGLES)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Asbestos	ND		%		09/01/23	*	NYSDOH 198.1 PLM	C

C = This parameter is subcontracted.

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

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
September 05, 2023
Reviewed and Released by: Ethan Lee, Project Manager

Tuesday, September 05, 2023

Criteria: CT: GAM, RC

State: CT

Sample Criteria Exceedances Report

GCO83148 - EKI

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** 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:*** EKI Environmental & Water Inc

Project Location: C30138 HONEY HILL (C3-210) ***Project Number:***

Laboratory Sample ID(s): CO83148-CO83150 ***Sampling Date(s):*** 8/25/2023

List RCP Methods Used (e.g., 8260, 8270, et cetera) None

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?**	☑ Yes ☐ No
1A	**Were the method specified preservation and holding time requirements met?**	☑ Yes ☐ No
1B	***VPH and EPH methods only:*** **Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)**	☐ Yes ☐ No ☑ NA
2	**Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?**	☑ Yes ☐ No
3	**Were samples received at an appropriate temperature (< 6 Degrees C)?**	☐ Yes ☑ No ☐ NA
4	**Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?**	☑ Yes ☐ No
5	**a) Were reporting limits specified or referenced on the chain-of-custody?** **b) Were these reporting limits met?**	☑ Yes ☐ No ☑ Yes ☐ 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?**	☐ Yes ☑ No
7	**Are project-specific matrix spikes and laboratory duplicates included in the data set?**	☐ Yes ☑ 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: Ethan Lee **Position:** Project Manager

Printed Name: Ethan Lee **Date:** Tuesday, September 05, 2023

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

September 05, 2023

SDG I.D.: GCO83148

SDG Comments

Temperature above 6C:
The samples were received in a cooler with ice packs. The samples were delivered to the Laboratory within a short period of time after sample collection. Therefore no significant bias is suspected.

Temperature Narration

The samples were received at 9.0C with cooling initiated.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes ☑ No ☐
Coolant: IPK ☐ ICE ☑ No ☐

PHOENIX
Environmental Laboratories, Inc.

CT/MA/RI CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: makrina@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-1102

Temp 9.0° C Pg of

Data Delivery/Contact Options:
☐ Fax: _____
☐ Phone: _____
☐ Email: _____

Customer: Honey Hill
Address:

Project: Honey Hill
Report to: Tom myjak (tmyjak@ekiconsult.com)
Invoice to: Ekl Accounting@ekiconsult.com
Quote #

Project P.O: C3-210

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 8/25/23

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	*MS/MSD (May be billable at analysis unit rate)	Bulk	GL Amber 8 oz. [ ] w/H3PO4 [ ] NAHSO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
83148	Bulk-1 (black asphalt shingles)	B	08/25/23	10:10		1												
83149	Bulk-2 (Brown roofing material)	B	08/25/23	10:11		1												
83150	Bulk-3 (black asphalt shingles)	B	8/25/23	10:32		1												

Relinquished by:	Accepted by:	Date:	Time:
Mathieu Bryant	H. Coleman	08/25/23	13:15
H. Coleman	Emily A	8/25/23	1343

Comments, Special Requirements or Regulations:
Hold all samples for 30 days

Turnaround Time:
☐ 1 Day* ☑ Standard
☐ 2 Days* ☐ Other _____
☐ 3 Days*
☐ 4 Days*
☐ 5 Days*

RI
☐ RES DEC
☐ I/C DEC
☐ GA Leachability
☐ GB Leachability
☐ GA -GW Objectives
☐ GB -GW Objectives
☐ Other

CT
☑ RCP Cert
☐ GWPC
☐ SWPC
☑ GA PMC
☐ GB PMC
☐ SWPC
☑ RES DEC
☐ I/C DEC

MA
☐ MCP Certification
☐ GW-1 ☐ RCS-1 / RCGW-1
☐ GW-2 ☐ RCS-2 / RCGW-2
☐ GW-3 ☐ _____
☐ S-1
☐ S-2
☐ S-3
☐ SW Protection

Data Format
☑ Excel
☑ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist*
☐ Full Data Package*
☐ Phoenix Std
☐ Other

***MS/MSD are considered site samples and will be billed as such in accordance with the prices quoted.**

*** SURCHARGES MAY APPLY**

State where samples were collected:

*** SURCHARGE APPLIES**

Form PEL126 Rev. 1/23

Cooler: Yes ☑ No ☐
Coolant: IPK ☐ ICE ☑ No ☐

PHOENIX
Environmental Laboratories, Inc.

CT/MA/RI CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: makrina@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-1102

Temp 9.0° C Pg of

Data Delivery/Contact Options:
☐ Fax:
☐ Phone:
☒ Email:

Customer: EKI Honey Hill
Address: 80 Eastern Blvd Ste 5
Glastonbury, CT 06033

Project: Honey Hill C30138
Report to: Tom myjak (tmyjak@ekiconsult.com)
Invoice to: EKI Accounting@ekiconsultcom
Quote #

Project P.O: C3-218 C30138

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 8/25/23

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	*MS/MSD (May be billable at analysis unit rate)	Asbestos Bulk 600/R/93/116	Bag	GL Amber 8 oz. [ ] w/H_3PO_4 [ ] $NAHSO_4$	Soil VOA Vials [ ] methanol [ ] H_2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H_2SO_4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H_2SO_4 [ ] 250ml [ ] 500ml	PL HNO_3 250ml	PL NaOH 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
83148	Bulk-1 (black asphalt shingles)	B	08/25/23	10:10	X		1												
83149	Bulk-2 (Brown roofing material)	B	08/25/23	10:11	X		1												
83150	Bulk-3 (black asphalt shingles)	B	8/25/23	10:32	X		1												

Relinquished by:	Accepted by:	Date:	Time:
Matthew Bryant ~~ABS~~	H. Coleman	08/25/23	13:15
H. Coleman	Emily A	8/25/23	1343

Comments, Special Requirements or Regulations:

Hold all samples for 30 days

2023 08 28 Activations as noted

Timothy O. Myjak

***MS/MSD are considered site samples and will be billed in accordance with the prices quoted.**

Turnaround Time:
☐ 1 Day* ☐ 2 Days* ☐ 3 Days* ☐ 4 Days* ☐ 5 Days*
☑ Standard ☐ Other _____
* SURCHARGES MAY APPLY

RI
☐ RES DEC
☐ I/C DEC
☐ GA Leachability
☐ GB Leachability
☐ GA -GW Objectives
☐ GB -GW Objectives
☐ Other

CT NA
☑ RCP Cert
☐ GWPC
☐ SWPC
☑ ~~GA PMC~~
☐ GB PMC
☐ SWPC
☑ ~~RES DEC~~
☐ I/C DEC

MA
☐ MCP Certification
☐ GW-1 ☐ RCS-1 / RCGW-1
☐ GW-2 ☐ RCS-2 / RCGW-2
☐ GW-3 ☐ _____
☐ S-1
☐ S-2
☐ S-3
☐ SW Protection

State where samples were collected:

Data Format
☑ Excel
☑ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist*
☐ Full Data Package*
☐ Phoenix Std
☐ Other

* SURCHARGE APPLIES

Form PEL126 Rev. 1/23

Eastern Analytical Services, Inc.

Bulk Sample Results
RE: CPN GCO83148

Date Collected : 08/25/2023
Collected By : Not Given
Date Received : 08/29/2023
Date Analyzed : 09/01/2023
Analyzed By : Fahrudin Lalic
Signature :
Analytical Method : NYS-DOH 198.4
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851
Paul Stascavage ,Lab Director

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

Sample ID Number		CO83148	CO83149	CO83150
Layer Number				
Lab ID Number		2946338	2946339	2946340
Sample Location		Not Given	Not Given	Not Given
Sample Description		Black	Black	Black
Analytical Method		NOB Tem	NOB Tem	NOB Tem
Appearance	Layered	No	No	No
	Homogenous	No	No	No
	Fibrous	Yes	Yes	Yes
	Color	Black	Black	Black
Asbestos Content	% Amosite	ND	ND	ND
	% Chrysotile	ND	ND	ND
	% Other	ND	ND	ND
	% Total Asbestos	ND	ND	ND
Other Materials Present	% Organic	34.2	80.1	85.1
	% Carbonates	2.5	3.9	6.9
	% Other Inorganic	63.3	16.0	8.0

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. Samples received in acceptable condition unless otherwise noted. ND = Not Detected.
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.
AIHA LAP, LLC 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

Wednesday, September 13, 2023

Attn: Tim Myjak
EKI Environmental & Water Inc
80 Eastern Blvd. Suite 5
Glastonbury, CT 06033

Project ID: **C30138 HONEY HILL (C3-210)**
SDG ID: **GCO83124**
Sample ID#s: CO83128, CO83136, CO83138, CO83140 - CO83141

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,

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
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 13, 2023

SDG I.D.: GCO83124

Project ID: C30138 HONEY HILL (C3-210)

Client Id	Lab Id	Matrix
TP-6(1-2)	CO83128	SOIL
TP-13(2-3)	CO83136	SOIL
TP-14(1-2)	CO83138	SOIL
TP-15(2-3)	CO83140	SOIL
TP-15(4-5)	CO83141	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 13, 2023

FOR: Attn: Tim Myjak
EKI Environmental & Water Inc
80 Eastern Blvd. Suite 5
Glastonbury, CT 06033

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/25/23	9:30
Location Code:	EKI	Received by:	SR1	08/25/23	13:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	C3-210 C30138				

Laboratory Data

SDG ID: GCO83124
Phoenix ID: CO83128

Project ID: C30138 HONEY HILL (C3-210)
Client ID: TP-6(1-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.50	0.50	mg/Kg	1	09/09/23	CPP	SW6010D
Arsenic	6.9	1.0	mg/Kg	1	09/09/23	CPP	SW6010D
Barium	336	0.50	mg/Kg	1	09/09/23	CPP	SW6010D
Beryllium	0.45	0.40	mg/Kg	1	09/09/23	CPP	SW6010D
Cadmium	2.52	0.50	mg/Kg	1	09/09/23	CPP	SW6010D
Chromium	33.4	0.50	mg/Kg	1	09/09/23	CPP	SW6010D
Copper	34.4	1.0	mg/kg	1	09/09/23	CPP	SW6010D
Mercury	< 0.04	0.04	mg/Kg	2	09/11/23	AL1	SW7471B
Nickel	23.7	0.50	mg/Kg	1	09/09/23	CPP	SW6010D
Lead	51.7	0.50	mg/Kg	1	09/09/23	CPP	SW6010D
Antimony	< 5.0	5.0	mg/Kg	1	09/09/23	CPP	SW6010D
Selenium	< 2.0	2.0	mg/Kg	1	09/09/23	CPP	SW6010D
Thallium	< 4.5	4.5	mg/Kg	1	09/09/23	CPP	SW6010D
Vanadium	35.1	0.50	mg/Kg	1	09/09/23	CPP	SW6010D
Zinc	152	1.0	mg/Kg	1	09/09/23	CPP	SW6010D
Percent Solid	64		%		08/28/23	CV	SW846-%Solid
Mercury Digestion	Completed				09/11/23	AL/AL	SW7471B
Soil Extraction for SVOA	Completed					Y/H/F	SW3545A
Total Metals Digest	Completed				08/28/23	P/AG	SW3050B
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/31/23	AW	SW8270D
1,2,4-Trichlorobenzene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
1,2-Dichlorobenzene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
1,3-Dichlorobenzene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
1,4-Dichlorobenzene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D

Project ID: C30138 HONEY HILL (C3-210)
Client ID: TP-6(1-2)

Phoenix I.D.: CO83128

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,2'-Oxybis(1-Chloropropane)	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
2,4,5-Trichlorophenol	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
2,4,6-Trichlorophenol	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
2,4-Dichlorophenol	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
2,4-Dimethylphenol	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
2,4-Dinitrotoluene	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
2-Chloronaphthalene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
2-Chlorophenol	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
2-Methylnaphthalene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
2-Methylphenol (o-cresol)	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
2-Nitroaniline	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
2-Nitrophenol	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	520	ug/Kg	1	08/31/23	AW	SW8270D
3,3'-Dichlorobenzidine	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
3-Nitroaniline	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
4-Bromophenyl phenyl ether	ND	520	ug/Kg	1	08/31/23	AW	SW8270D
4-Chloro-3-methylphenol	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
4-Chloroaniline	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
4-Chlorophenyl phenyl ether	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
4-Nitroaniline	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
4-Nitrophenol	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Acenaphthene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Acenaphthylene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Acetophenone	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Aniline	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
Anthracene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Benz(a)anthracene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Benzidine	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
Benzo(a)pyrene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Benzo(b)fluoranthene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Benzo(ghi)perylene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Benzo(k)fluoranthene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Benzoic acid	ND	1000	ug/Kg	1	08/31/23	AW	SW8270D
Benzyl butyl phthalate	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Bis(2-chloroethoxy)methane	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Bis(2-chloroethyl)ether	ND	520	ug/Kg	1	08/31/23	AW	SW8270D
Bis(2-ethylhexyl)phthalate	ND	520	ug/Kg	1	08/31/23	AW	SW8270D
Carbazole	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
Chrysene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Dibenz(a,h)anthracene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Dibenzofuran	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
Diethyl phthalate	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Dimethylphthalate	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Di-n-butylphthalate	ND	520	ug/Kg	1	08/31/23	AW	SW8270D
Di-n-octylphthalate	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Fluoranthene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D

Project ID: C30138 HONEY HILL (C3-210) Phoenix I.D.: CO83128
Client ID: TP-6(1-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fluorene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Hexachlorobenzene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Hexachlorobutadiene	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
Hexachlorocyclopentadiene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Hexachloroethane	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Indeno(1,2,3-cd)pyrene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Isophorone	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Naphthalene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Nitrobenzene	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/31/23	AW	SW8270D
Pentachlorophenol	ND	520	ug/Kg	1	08/31/23	AW	SW8270D
Phenanthrene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Phenol	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Pyrene	ND	360	ug/Kg	1	08/31/23	AW	SW8270D
Pyridine	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	69		%	1	08/31/23	AW	30 - 130 %
% 2-Fluorobiphenyl	56		%	1	08/31/23	AW	30 - 130 %
% 2-Fluorophenol	55		%	1	08/31/23	AW	30 - 130 %
% Nitrobenzene-d5	55		%	1	08/31/23	AW	30 - 130 %
% Phenol-d5	60		%	1	08/31/23	AW	30 - 130 %
% Terphenyl-d14	64		%	1	08/31/23	AW	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:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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 13, 2023
Reviewed and Released by: Ethan Lee, 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

September 13, 2023

FOR: Attn: Tim Myjak
EKI Environmental & Water Inc
80 Eastern Blvd. Suite 5
Glastonbury, CT 06033

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/25/23	10:10
Location Code:	EKI	Received by:	SR1	08/25/23	13:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	C3-210 C30138				

Laboratory Data

SDG ID: GCO83124
Phoenix ID: CO83136

Project ID: C30138 HONEY HILL (C3-210)
Client ID: TP-13(2-3)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.74	0.74	mg/Kg	1	09/09/23	CPP	SW6010D
Arsenic	16.9	1.5	mg/Kg	1	09/09/23	CPP	SW6010D
Barium	71.0	0.74	mg/Kg	1	09/09/23	CPP	SW6010D
Beryllium	1.24	0.60	mg/Kg	1	09/09/23	CPP	SW6010D
Cadmium	1.64	0.74	mg/Kg	1	09/09/23	CPP	SW6010D
Chromium	72.1	0.74	mg/Kg	1	09/09/23	CPP	SW6010D
Copper	21.2	1.5	mg/kg	1	09/09/23	CPP	SW6010D
Mercury	0.13	0.06	mg/Kg	2	09/11/23	AL1	SW7471B
Nickel	42.8	0.74	mg/Kg	1	09/09/23	CPP	SW6010D
Lead	41.8	0.74	mg/Kg	1	09/09/23	CPP	SW6010D
Antimony	< 7.4	7.4	mg/Kg	1	09/09/23	CPP	SW6010D
Selenium	< 3.0	3.0	mg/Kg	1	09/09/23	CPP	SW6010D
Thallium	< 5.0	5.0	mg/Kg	1	09/09/23	CPP	SW6010D
Vanadium	59.4	0.74	mg/Kg	1	09/09/23	CPP	SW6010D
Zinc	92.3	1.5	mg/Kg	1	09/09/23	CPP	SW6010D
Percent Solid	46		%		08/28/23	CV	SW846-%Solid
Field Extraction	Completed				08/25/23		SW5035A
Mercury Digestion	Completed				09/11/23	AL/AL	SW7471B
Extraction of ETPH	Completed				08/30/23	L/H/A	SW3545A
Soil Extraction for Herbicide	Completed				08/31/23	L/D	SW3546
Soil Extraction for Pesticide	Completed				08/29/23	A/F	SW3545A
Soil Extraction for SVOA	Completed				08/30/23	C/JDW	SW3545A
Extraction for PCB	Completed				08/31/23	/R/AC1/M	SW3540C
Total Metals Digest	Completed				08/28/23	P/AG	SW3050B
Chlorinated Herbicides							
2,4,5-T	ND	270	ug/Kg	10	09/05/23	JRB	SW8151A

Ver 1

Project ID: C30138 HONEY HILL (C3-210) Phoenix I.D.: CO83136
Client ID: TP-13(2-3)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,4,5-TP (Silvex)	ND	270	ug/Kg	10	09/05/23	JRB	SW8151A
2,4-D	ND	540	ug/Kg	10	09/05/23	JRB	SW8151A
2,4-DB	ND	5400	ug/Kg	10	09/05/23	JRB	SW8151A
Dalapon	ND	270	ug/Kg	10	09/05/23	JRB	SW8151A
Dicamba	ND	270	ug/Kg	10	09/05/23	JRB	SW8151A
Dichloroprop	ND	270	ug/Kg	10	09/05/23	JRB	SW8151A
Dinoseb	ND	540	ug/Kg	10	09/05/23	JRB	SW8151A
QA/QC Surrogates							
% DCAA	70		%	10	09/05/23	JRB	30 - 150 %
% DCAA (Confirmation)	74		%	10	09/05/23	JRB	30 - 150 %
TPH by GC (Extractable Products)							
Ext. Petroleum H.C. (C9-C36)	ND	500	mg/Kg	10	08/31/23	KCA	CTETPH
Identification	ND		mg/Kg	10	08/31/23	KCA	CTETPH
QA/QC Surrogates							
% COD (surr)	97		%	10	08/31/23	KCA	50 - 150 %
% Terphenyl (surr)	86		%	10	08/31/23	KCA	50 - 150 %
PCB (Soxhlet SW3540C)							
PCB-1016	ND	720	ug/Kg	10	09/01/23	KCA	SW8082A
PCB-1221	ND	720	ug/Kg	10	09/01/23	KCA	SW8082A
PCB-1232	ND	720	ug/Kg	10	09/01/23	KCA	SW8082A
PCB-1242	ND	720	ug/Kg	10	09/01/23	KCA	SW8082A
PCB-1248	ND	720	ug/Kg	10	09/01/23	KCA	SW8082A
PCB-1254	ND	720	ug/Kg	10	09/01/23	KCA	SW8082A
PCB-1260	ND	720	ug/Kg	10	09/01/23	KCA	SW8082A
PCB-1262	ND	720	ug/Kg	10	09/01/23	KCA	SW8082A
PCB-1268	ND	720	ug/Kg	10	09/01/23	KCA	SW8082A
QA/QC Surrogates							
% DCBP	47		%	10	09/01/23	KCA	30 - 150 %
% DCBP (Confirmation)	35		%	10	09/01/23	KCA	30 - 150 %
% TCMX	30		%	10	09/01/23	KCA	30 - 150 %
% TCMX (Confirmation)	31		%	10	09/01/23	KCA	30 - 150 %
Pesticides							
4,4' -DDD	ND	2.9	ug/Kg	2	08/31/23	AW	SW8081B
4,4' -DDE	ND	2.9	ug/Kg	2	08/31/23	AW	SW8081B
4,4' -DDT	ND	2.9	ug/Kg	2	08/31/23	AW	SW8081B
a-BHC	ND	2.0	ug/Kg	2	08/31/23	AW	SW8081B
Alachlor	ND	14	ug/Kg	2	08/31/23	AW	SW8081B
Aldrin	ND	2.0	ug/Kg	2	08/31/23	AW	SW8081B
b-BHC	ND	2.0	ug/Kg	2	08/31/23	AW	SW8081B
Chlordane	140	71	ug/Kg	2	08/31/23	AW	SW8081B
d-BHC	ND	2.0	ug/Kg	2	08/31/23	AW	SW8081B
Dieldrin	ND	2.9	ug/Kg	2	08/31/23	AW	SW8081B
Endosulfan I	ND	14	ug/Kg	2	08/31/23	AW	SW8081B
Endosulfan II	ND	14	ug/Kg	2	08/31/23	AW	SW8081B
Endosulfan sulfate	ND	14	ug/Kg	2	08/31/23	AW	SW8081B
Endrin	ND	14	ug/Kg	2	08/31/23	AW	SW8081B
Endrin aldehyde	ND	14	ug/Kg	2	08/31/23	AW	SW8081B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Endrin ketone	ND	14	ug/Kg	2	08/31/23	AW	SW8081B
g-BHC	ND	2.9	ug/Kg	2	08/31/23	AW	SW8081B
Heptachlor	ND	7.1	ug/Kg	2	08/31/23	AW	SW8081B
Heptachlor epoxide	ND	14	ug/Kg	2	08/31/23	AW	SW8081B
Methoxychlor	ND	71	ug/Kg	2	08/31/23	AW	SW8081B
Toxaphene	ND	290	ug/Kg	2	08/31/23	AW	SW8081B
QA/QC Surrogates							
% DCBP	38		%	2	08/31/23	AW	30 - 150 %
% DCBP (Confirmation)	44		%	2	08/31/23	AW	30 - 150 %
% TCMX	33		%	2	08/31/23	AW	30 - 150 %
% TCMX (Confirmation)	36		%	2	08/31/23	AW	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
1,1,1-Trichloroethane	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	5.1	ug/Kg	1	08/28/23	JLI	SW8260D
1,1,2-Trichloroethane	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
1,1-Dichloroethane	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
1,1-Dichloroethene	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
1,1-Dichloropropene	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	1000	ug/Kg	50	08/28/23	JLI	SW8260D
1,2,3-Trichloropropane	ND	1000	ug/Kg	50	08/28/23	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	1000	ug/Kg	50	08/28/23	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	1000	ug/Kg	50	08/28/23	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	08/28/23	JLI	SW8260D
1,2-Dibromoethane	ND	0.85	ug/Kg	1	08/28/23	JLI	SW8260D
1,2-Dichlorobenzene	ND	1000	ug/Kg	50	08/28/23	JLI	SW8260D
1,2-Dichloroethane	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
1,2-Dichloropropane	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	1000	ug/Kg	50	08/28/23	JLI	SW8260D
1,3-Dichlorobenzene	ND	1000	ug/Kg	50	08/28/23	JLI	SW8260D
1,3-Dichloropropane	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
1,4-Dichlorobenzene	ND	1000	ug/Kg	50	08/28/23	JLI	SW8260D
2,2-Dichloropropane	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
2-Chlorotoluene	ND	1000	ug/Kg	50	08/28/23	JLI	SW8260D
2-Hexanone	ND	42	ug/Kg	1	08/28/23	JLI	SW8260D
2-Isopropyltoluene	ND	1000	ug/Kg	50	08/28/23	JLI	SW8260D
4-Chlorotoluene	ND	1000	ug/Kg	50	08/28/23	JLI	SW8260D
4-Methyl-2-pentanone	ND	42	ug/Kg	1	08/28/23	JLI	SW8260D
Acetone	ND	420	ug/Kg	1	08/28/23	JLI	SW8260D
Acrylonitrile	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
Benzene	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
Bromobenzene	ND	1000	ug/Kg	50	08/28/23	JLI	SW8260D
Bromochloromethane	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
Bromodichloromethane	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
Bromoform	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
Bromomethane	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
Carbon Disulfide	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
Carbon tetrachloride	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
Chlorobenzene	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chloroethane	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
Chloroform	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
Chloromethane	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
cis-1,2-Dichloroethene	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
cis-1,3-Dichloropropene	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
Dibromochloromethane	ND	5.1	ug/Kg	1	08/28/23	JLI	SW8260D
Dibromomethane	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
Dichlorodifluoromethane	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
Ethylbenzene	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
Hexachlorobutadiene	ND	200	ug/Kg	50	08/28/23	JLI	SW8260D
Isopropylbenzene	ND	500	ug/Kg	50	08/28/23	JLI	SW8260D
m&p-Xylene	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
Methyl Ethyl Ketone	ND	51	ug/Kg	1	08/28/23	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	17	ug/Kg	1	08/28/23	JLI	SW8260D
Methylene chloride	ND	17	ug/Kg	1	08/28/23	JLI	SW8260D
Naphthalene	ND	1000	ug/Kg	50	08/28/23	JLI	SW8260D
n-Butylbenzene	ND	1000	ug/Kg	50	08/28/23	JLI	SW8260D
n-Propylbenzene	ND	1000	ug/Kg	50	08/28/23	JLI	SW8260D
o-Xylene	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
p-Isopropyltoluene	ND	500	ug/Kg	50	08/28/23	JLI	SW8260D
sec-Butylbenzene	ND	1000	ug/Kg	50	08/28/23	JLI	SW8260D
Styrene	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
tert-Butylbenzene	ND	1000	ug/Kg	50	08/28/23	JLI	SW8260D
Tetrachloroethene	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
Tetrahydrofuran (THF)	ND	17	ug/Kg	1	08/28/23	JLI	SW8260D
Toluene	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
Total Xylenes	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
trans-1,2-Dichloroethene	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
trans-1,3-Dichloropropene	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	2000	ug/Kg	50	08/28/23	JLI	SW8260D
Trichloroethene	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
Trichlorofluoromethane	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
Trichlorotrifluoroethane	ND	17	ug/Kg	1	08/28/23	JLI	SW8260D
Vinyl chloride	ND	8.5	ug/Kg	1	08/28/23	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	92		%	1	08/28/23	JLI	70 - 130 %
% Bromofluorobenzene	73		%	1	08/28/23	JLI	70 - 130 %
% Dibromofluoromethane	101		%	1	08/28/23	JLI	70 - 130 %
% Toluene-d8	86		%	1	08/28/23	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	96		%	50	08/28/23	JLI	70 - 130 %
% Bromofluorobenzene (50x)	100		%	50	08/28/23	JLI	70 - 130 %
% Dibromofluoromethane (50x)	95		%	50	08/28/23	JLI	70 - 130 %
% Toluene-d8 (50x)	94		%	50	08/28/23	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/31/23	PS	SW8270D
1,2,4-Trichlorobenzene	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
1,2-Dichlorobenzene	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
1,3-Dichlorobenzene	ND	490	ug/Kg	1	08/31/23	PS	SW8270D

Project ID: C30138 HONEY HILL (C3-210) Phoenix I.D.: CO83136

Client ID: TP-13(2-3)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
2,4,5-Trichlorophenol	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
2,4,6-Trichlorophenol	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
2,4-Dichlorophenol	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
2,4-Dimethylphenol	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/31/23	PS	SW8270D
2,4-Dinitrotoluene	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
2-Chloronaphthalene	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
2-Chlorophenol	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
2-Methylnaphthalene	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
2-Methylphenol (o-cresol)	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
2-Nitroaniline	ND	300	ug/Kg	1	08/31/23	PS	SW8270D
2-Nitrophenol	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	700	ug/Kg	1	08/31/23	PS	SW8270D
3,3'-Dichlorobenzidine	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
3-Nitroaniline	ND	300	ug/Kg	1	08/31/23	PS	SW8270D
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/31/23	PS	SW8270D
4-Bromophenyl phenyl ether	ND	700	ug/Kg	1	08/31/23	PS	SW8270D
4-Chloro-3-methylphenol	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
4-Chloroaniline	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
4-Chlorophenyl phenyl ether	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
4-Nitroaniline	ND	300	ug/Kg	1	08/31/23	PS	SW8270D
4-Nitrophenol	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
Acenaphthene	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
Acenaphthylene	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
Acetophenone	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
Aniline	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
Anthracene	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
Benz(a)anthracene	700	490	ug/Kg	1	08/31/23	PS	SW8270D
Benzidine	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
Benzo(a)pyrene	880	490	ug/Kg	1	08/31/23	PS	SW8270D
Benzo(b)fluoranthene	1800	490	ug/Kg	1	08/31/23	PS	SW8270D
Benzo(ghi)perylene	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
Benzo(k)fluoranthene	570	490	ug/Kg	1	08/31/23	PS	SW8270D
Benzoic acid	ND	1400	ug/Kg	1	08/31/23	PS	SW8270D
Benzyl butyl phthalate	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
Bis(2-chloroethoxy)methane	ND	420	ug/Kg	1	08/31/23	PS	SW8270D
Bis(2-chloroethyl)ether	ND	700	ug/Kg	1	08/31/23	PS	SW8270D
Bis(2-ethylhexyl)phthalate	ND	700	ug/Kg	1	08/31/23	PS	SW8270D
Carbazole	270	200	ug/Kg	1	08/31/23	PS	SW8270D
Chrysene	1000	490	ug/Kg	1	08/31/23	PS	SW8270D
Dibenz(a,h)anthracene	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
Dibenzofuran	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
Diethyl phthalate	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
Dimethylphthalate	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
Di-n-butylphthalate	ND	700	ug/Kg	1	08/31/23	PS	SW8270D
Di-n-octylphthalate	ND	490	ug/Kg	1	08/31/23	PS	SW8270D

Project ID: C30138 HONEY HILL (C3-210)
Client ID: TP-13(2-3)

Phoenix I.D.: CO83136

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fluoranthene	1500	490	ug/Kg	1	08/31/23	PS	SW8270D
Fluorene	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
Hexachlorobenzene	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
Hexachlorobutadiene	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
Hexachlorocyclopentadiene	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
Hexachloroethane	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
Indeno(1,2,3-cd)pyrene	540	490	ug/Kg	1	08/31/23	PS	SW8270D
Isophorone	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
Naphthalene	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
Nitrobenzene	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/31/23	PS	SW8270D
Pentachlorophenol	ND	850	ug/Kg	1	08/31/23	PS	SW8270D
Phenanthrene	820	490	ug/Kg	1	08/31/23	PS	SW8270D
Phenol	ND	490	ug/Kg	1	08/31/23	PS	SW8270D
Pyrene	1400	490	ug/Kg	1	08/31/23	PS	SW8270D
Pyridine	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	56		%	1	08/31/23	PS	30 - 130 %
% 2-Fluorobiphenyl	46		%	1	08/31/23	PS	30 - 130 %
% 2-Fluorophenol	45		%	1	08/31/23	PS	30 - 130 %
% Nitrobenzene-d5	56		%	1	08/31/23	PS	30 - 130 %
% Phenol-d5	51		%	1	08/31/23	PS	30 - 130 %
% Terphenyl-d14	45		%	1	08/31/23	PS	30 - 130 %

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

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

Semi-Volatile Comment:
An elevated RL was reported due to low % solids; some compounds are evaluated below the lowest calibration 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
September 13, 2023
Reviewed and Released by: Ethan Lee, 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

September 13, 2023

FOR: Attn: Tim Myjak
EKI Environmental & Water Inc
80 Eastern Blvd. Suite 5
Glastonbury, CT 06033

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/25/23	10:20
Location Code:	EKI	Received by:	SR1	08/25/23	13:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	C3-210 C30138				

Laboratory Data

SDG ID: GCO83124
Phoenix ID: CO83138

Project ID: C30138 HONEY HILL (C3-210)
Client ID: TP-14(1-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	1	09/09/23	CPP	SW6010D
Arsenic	12.1	0.77	mg/Kg	1	09/09/23	CPP	SW6010D
Barium	32.1	0.39	mg/Kg	1	09/09/23	CPP	SW6010D
Beryllium	0.55	0.31	mg/Kg	1	09/09/23	CPP	SW6010D
Cadmium	0.90	0.39	mg/Kg	1	09/09/23	CPP	SW6010D
Chromium	38.3	0.39	mg/Kg	1	09/09/23	CPP	SW6010D
Copper	7.9	0.8	mg/kg	1	09/09/23	CPP	SW6010D
Mercury	0.03	0.03	mg/Kg	2	09/11/23	AL1	SW7471B
Nickel	22.2	0.39	mg/Kg	1	09/09/23	CPP	SW6010D
Lead	7.98	0.39	mg/Kg	1	09/09/23	CPP	SW6010D
Antimony	< 3.9	3.9	mg/Kg	1	09/09/23	CPP	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	09/09/23	CPP	SW6010D
Thallium	< 3.5	3.5	mg/Kg	1	09/09/23	CPP	SW6010D
Vanadium	37.2	0.39	mg/Kg	1	09/09/23	CPP	SW6010D
Zinc	36.3	0.8	mg/Kg	1	09/09/23	CPP	SW6010D
Percent Solid	76		%		08/28/23	CV	SW846-%Solid
Mercury Digestion	Completed				09/11/23	AL/AL	SW7471B
Soil Extraction for SVOA	Completed				08/30/23	C/JDW	SW3545A
Total Metals Digest	Completed				08/28/23	P/AG	SW3050B
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/31/23	AW	SW8270D
1,2,4-Trichlorobenzene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
1,2-Dichlorobenzene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
1,3-Dichlorobenzene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
1,4-Dichlorobenzene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D

Project ID: C30138 HONEY HILL (C3-210)
Client ID: TP-14(1-2)

Phoenix I.D.: CO83138

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,2'-Oxybis(1-Chloropropane)	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
2,4,5-Trichlorophenol	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
2,4,6-Trichlorophenol	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
2,4-Dichlorophenol	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
2,4-Dimethylphenol	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
2,4-Dinitrotoluene	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
2-Chloronaphthalene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
2-Chlorophenol	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
2-Methylnaphthalene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
2-Methylphenol (o-cresol)	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
2-Nitroaniline	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
2-Nitrophenol	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	430	ug/Kg	1	08/31/23	AW	SW8270D
3,3'-Dichlorobenzidine	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
3-Nitroaniline	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
4-Bromophenyl phenyl ether	ND	430	ug/Kg	1	08/31/23	AW	SW8270D
4-Chloro-3-methylphenol	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
4-Chloroaniline	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
4-Chlorophenyl phenyl ether	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
4-Nitroaniline	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
4-Nitrophenol	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Acenaphthene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Acenaphthylene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Acetophenone	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Aniline	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
Anthracene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Benz(a)anthracene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Benzidine	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
Benzo(a)pyrene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Benzo(b)fluoranthene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Benzo(ghi)perylene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Benzo(k)fluoranthene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Benzoic acid	ND	860	ug/Kg	1	08/31/23	AW	SW8270D
Benzyl butyl phthalate	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Bis(2-chloroethoxy)methane	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Bis(2-chloroethyl)ether	ND	430	ug/Kg	1	08/31/23	AW	SW8270D
Bis(2-ethylhexyl)phthalate	ND	430	ug/Kg	1	08/31/23	AW	SW8270D
Carbazole	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
Chrysene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Dibenz(a,h)anthracene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Dibenzofuran	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
Diethyl phthalate	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Dimethylphthalate	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Di-n-butylphthalate	ND	430	ug/Kg	1	08/31/23	AW	SW8270D
Di-n-octylphthalate	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Fluoranthene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D

Project ID: C30138 HONEY HILL (C3-210) Phoenix I.D.: CO83138
Client ID: TP-14(1-2)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fluorene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Hexachlorobenzene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Hexachlorobutadiene	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
Hexachlorocyclopentadiene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Hexachloroethane	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Indeno(1,2,3-cd)pyrene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Isophorone	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Naphthalene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Nitrobenzene	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/31/23	AW	SW8270D
Pentachlorophenol	ND	430	ug/Kg	1	08/31/23	AW	SW8270D
Phenanthrene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Phenol	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Pyrene	ND	300	ug/Kg	1	08/31/23	AW	SW8270D
Pyridine	ND	200	ug/Kg	1	08/31/23	AW	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	62		%	1	08/31/23	AW	30 - 130 %
% 2-Fluorobiphenyl	54		%	1	08/31/23	AW	30 - 130 %
% 2-Fluorophenol	52		%	1	08/31/23	AW	30 - 130 %
% Nitrobenzene-d5	59		%	1	08/31/23	AW	30 - 130 %
% Phenol-d5	57		%	1	08/31/23	AW	30 - 130 %
% Terphenyl-d14	53		%	1	08/31/23	AW	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.

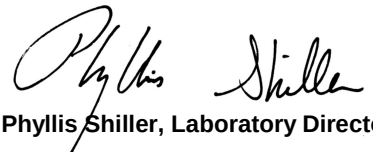
Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Semi-Volatile Comment:
An elevated RL was reported due to low % solids; some compounds are evaluated below the lowest calibration 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
September 13, 2023
Reviewed and Released by: Ethan Lee, 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

September 13, 2023

FOR: Attn: Tim Myjak
EKI Environmental & Water Inc
80 Eastern Blvd. Suite 5
Glastonbury, CT 06033

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/25/23	10:30
Location Code:	EKI	Received by:	SR1	08/25/23	13:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	C3-210 C30138				

Laboratory Data

SDG ID: GCO83124
Phoenix ID: CO83140

Project ID: C30138 HONEY HILL (C3-210)
Client ID: TP-15(2-3)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 1.5	1.5	mg/Kg	1	09/09/23	CPP	SW6010D
Arsenic	37.0	1.7	mg/Kg	1	09/09/23	CPP	SW6010D
Barium	133	0.83	mg/Kg	1	09/09/23	CPP	SW6010D
Beryllium	< 0.66	0.66	mg/Kg	1	09/09/23	CPP	SW6010D
Cadmium	3.82	0.83	mg/Kg	1	09/09/23	CPP	SW6010D
Chromium	38.1	0.83	mg/Kg	1	09/09/23	CPP	SW6010D
Copper	114	1.7	mg/kg	1	09/09/23	CPP	SW6010D
Mercury	0.17	0.06	mg/Kg	2	09/11/23	AL1	SW7471B
Nickel	52.2	0.83	mg/Kg	1	09/09/23	CPP	SW6010D
Lead	282	0.83	mg/Kg	1	09/09/23	CPP	SW6010D
Antimony	< 8.3	8.3	mg/Kg	1	09/09/23	CPP	SW6010D
Selenium	< 3.3	3.3	mg/Kg	1	09/09/23	CPP	SW6010D
Thallium	< 5.0	5.0	mg/Kg	1	09/09/23	CPP	SW6010D
Vanadium	240	0.83	mg/Kg	1	09/09/23	CPP	SW6010D
Zinc	1010	17	mg/Kg	10	09/11/23	TH	SW6010D
Percent Solid	42		%		08/28/23	CV	SW846-%Solid
Field Extraction	Completed				08/25/23		SW5035A
Mercury Digestion	Completed				09/11/23	AL/AL	SW7471B
Extraction of ETPH	Completed				08/30/23	L/H/A	SW3545A
Soil Extraction for Herbicide	Completed				08/31/23	L/D	SW3546
Soil Extraction for Pesticide	Completed				09/01/23	C/JDW	SW3545A
Soil Extraction for SVOA	Completed				08/30/23	C/JDW	SW3545A
Extraction for PCB	Completed				08/31/23	/R/AC1/M	SW3540C
Total Metals Digest	Completed				08/28/23	P/AG	SW3050B
Chlorinated Herbicides							
2,4,5-T	ND	290	ug/Kg	10	09/05/23	JRB	SW8151A

Ver 1

Project ID: C30138 HONEY HILL (C3-210) Phoenix I.D.: CO83140
Client ID: TP-15(2-3)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2,4,5-TP (Silvex)	ND	290	ug/Kg	10	09/05/23	JRB	SW8151A
2,4-D	ND	590	ug/Kg	10	09/05/23	JRB	SW8151A
2,4-DB	ND	5900	ug/Kg	10	09/05/23	JRB	SW8151A
Dalapon	ND	290	ug/Kg	10	09/05/23	JRB	SW8151A
Dicamba	ND	290	ug/Kg	10	09/05/23	JRB	SW8151A
Dichloroprop	ND	290	ug/Kg	10	09/05/23	JRB	SW8151A
Dinoseb	ND	590	ug/Kg	10	09/05/23	JRB	SW8151A
QA/QC Surrogates							
% DCAA	66		%	10	09/05/23	JRB	30 - 150 %
% DCAA (Confirmation)	80		%	10	09/05/23	JRB	30 - 150 %
TPH by GC (Extractable Products)							
Ext. Petroleum H.C. (C9-C36)	ND	500	mg/Kg	10	08/31/23	KCA	CTETPH
Identification	ND		mg/Kg	10	08/31/23	KCA	CTETPH
QA/QC Surrogates							
% COD (surr)	61		%	10	08/31/23	KCA	50 - 150 %
% Terphenyl (surr)	65		%	10	08/31/23	KCA	50 - 150 %
PCB (Soxhlet SW3540C)							
PCB-1016	ND	790	ug/Kg	10	09/01/23	KCA	SW8082A
PCB-1221	ND	790	ug/Kg	10	09/01/23	KCA	SW8082A
PCB-1232	ND	790	ug/Kg	10	09/01/23	KCA	SW8082A
PCB-1242	ND	790	ug/Kg	10	09/01/23	KCA	SW8082A
PCB-1248	ND	790	ug/Kg	10	09/01/23	KCA	SW8082A
PCB-1254	ND	790	ug/Kg	10	09/01/23	KCA	SW8082A
PCB-1260	ND	790	ug/Kg	10	09/01/23	KCA	SW8082A
PCB-1262	ND	790	ug/Kg	10	09/01/23	KCA	SW8082A
PCB-1268	ND	790	ug/Kg	10	09/01/23	KCA	SW8082A
QA/QC Surrogates							
% DCBP	52		%	10	09/01/23	KCA	30 - 150 %
% DCBP (Confirmation)	39		%	10	09/01/23	KCA	30 - 150 %
% TCMX	31		%	10	09/01/23	KCA	30 - 150 %
% TCMX (Confirmation)	32		%	10	09/01/23	KCA	30 - 150 %
Pesticides							
4,4' -DDD	ND	3.0	ug/Kg	2	09/06/23	AW	SW8081B
4,4' -DDE	ND	3.0	ug/Kg	2	09/06/23	AW	SW8081B
4,4' -DDT	ND	3.0	ug/Kg	2	09/06/23	AW	SW8081B
a-BHC	ND	2.0	ug/Kg	2	09/06/23	AW	SW8081B
Alachlor	ND	16	ug/Kg	2	09/06/23	AW	SW8081B
Aldrin	ND	2.0	ug/Kg	2	09/06/23	AW	SW8081B
b-BHC	ND	2.0	ug/Kg	2	09/06/23	AW	SW8081B
Chlordane	150	78	ug/Kg	2	09/06/23	AW	SW8081B
d-BHC	ND	2.0	ug/Kg	2	09/06/23	AW	SW8081B
Dieldrin	4.0	3.1	ug/Kg	2	09/06/23	AW	SW8081B
Endosulfan I	ND	16	ug/Kg	2	09/06/23	AW	SW8081B
Endosulfan II	ND	16	ug/Kg	2	09/06/23	AW	SW8081B
Endosulfan sulfate	ND	16	ug/Kg	2	09/06/23	AW	SW8081B
Endrin	ND	16	ug/Kg	2	09/06/23	AW	SW8081B
Endrin aldehyde	ND	16	ug/Kg	2	09/06/23	AW	SW8081B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Endrin ketone	ND	16	ug/Kg	2	09/06/23	AW	SW8081B
g-BHC	ND	2.0	ug/Kg	2	09/06/23	AW	SW8081B
Heptachlor	ND	7.8	ug/Kg	2	09/06/23	AW	SW8081B
Heptachlor epoxide	ND	16	ug/Kg	2	09/06/23	AW	SW8081B
Methoxychlor	ND	78	ug/Kg	2	09/06/23	AW	SW8081B
Toxaphene	ND	310	ug/Kg	2	09/06/23	AW	SW8081B
QA/QC Surrogates							
% DCBP	54		%	2	09/06/23	AW	30 - 150 %
% DCBP (Confirmation)	65		%	2	09/06/23	AW	30 - 150 %
% TCMX	41		%	2	09/06/23	AW	30 - 150 %
% TCMX (Confirmation)	52		%	2	09/06/23	AW	30 - 150 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
1,1,1-Trichloroethane	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	5.3	ug/Kg	1	08/29/23	JLI	SW8260D
1,1,2-Trichloroethane	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
1,1-Dichloroethane	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
1,1-Dichloroethene	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
1,1-Dichloropropene	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	1200	ug/Kg	50	08/28/23	JLI	SW8260D
1,2,3-Trichloropropane	ND	1200	ug/Kg	50	08/28/23	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	1200	ug/Kg	50	08/28/23	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	1200	ug/Kg	50	08/28/23	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	08/29/23	JLI	SW8260D
1,2-Dibromoethane	ND	0.88	ug/Kg	1	08/29/23	JLI	SW8260D
1,2-Dichlorobenzene	ND	1200	ug/Kg	50	08/28/23	JLI	SW8260D
1,2-Dichloroethane	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
1,2-Dichloropropane	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	1200	ug/Kg	50	08/28/23	JLI	SW8260D
1,3-Dichlorobenzene	ND	1200	ug/Kg	50	08/28/23	JLI	SW8260D
1,3-Dichloropropane	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
1,4-Dichlorobenzene	ND	1200	ug/Kg	50	08/28/23	JLI	SW8260D
2,2-Dichloropropane	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
2-Chlorotoluene	ND	1200	ug/Kg	50	08/28/23	JLI	SW8260D
2-Hexanone	ND	44	ug/Kg	1	08/29/23	JLI	SW8260D
2-Isopropyltoluene	ND	1200	ug/Kg	50	08/28/23	JLI	SW8260D
4-Chlorotoluene	ND	1200	ug/Kg	50	08/28/23	JLI	SW8260D
4-Methyl-2-pentanone	ND	44	ug/Kg	1	08/29/23	JLI	SW8260D
Acetone	ND	440	ug/Kg	1	08/29/23	JLI	SW8260D
Acrylonitrile	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
Benzene	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
Bromobenzene	ND	1200	ug/Kg	50	08/28/23	JLI	SW8260D
Bromochloromethane	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
Bromodichloromethane	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
Bromoform	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
Bromomethane	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
Carbon Disulfide	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
Carbon tetrachloride	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
Chlorobenzene	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D

Project ID: C30138 HONEY HILL (C3-210) Phoenix I.D.: CO83140
Client ID: TP-15(2-3)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Chloroethane	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
Chloroform	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
Chloromethane	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
cis-1,2-Dichloroethene	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
cis-1,3-Dichloropropene	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
Dibromochloromethane	ND	5.3	ug/Kg	1	08/29/23	JLI	SW8260D
Dibromomethane	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
Dichlorodifluoromethane	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
Ethylbenzene	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
Hexachlorobutadiene	ND	200	ug/Kg	50	08/28/23	JLI	SW8260D
Isopropylbenzene	ND	500	ug/Kg	50	08/28/23	JLI	SW8260D
m&p-Xylene	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
Methyl Ethyl Ketone	ND	53	ug/Kg	1	08/29/23	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	18	ug/Kg	1	08/29/23	JLI	SW8260D
Methylene chloride	ND	18	ug/Kg	1	08/29/23	JLI	SW8260D
Naphthalene	ND	1200	ug/Kg	50	08/28/23	JLI	SW8260D
n-Butylbenzene	ND	1200	ug/Kg	50	08/28/23	JLI	SW8260D
n-Propylbenzene	ND	1000	ug/Kg	50	08/28/23	JLI	SW8260D
o-Xylene	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
p-Isopropyltoluene	ND	500	ug/Kg	50	08/28/23	JLI	SW8260D
sec-Butylbenzene	ND	1200	ug/Kg	50	08/28/23	JLI	SW8260D
Styrene	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
tert-Butylbenzene	ND	1200	ug/Kg	50	08/28/23	JLI	SW8260D
Tetrachloroethene	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
Tetrahydrofuran (THF)	ND	18	ug/Kg	1	08/29/23	JLI	SW8260D
Toluene	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
Total Xylenes	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
trans-1,2-Dichloroethene	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
trans-1,3-Dichloropropene	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	2300	ug/Kg	50	08/28/23	JLI	SW8260D
Trichloroethene	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
Trichlorofluoromethane	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
Trichlorotrifluoroethane	ND	18	ug/Kg	1	08/29/23	JLI	SW8260D
Vinyl chloride	ND	8.8	ug/Kg	1	08/29/23	JLI	SW8260D
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	87		%	1	08/29/23	JLI	70 - 130 %
% Bromofluorobenzene	71		%	1	08/29/23	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	08/29/23	JLI	70 - 130 %
% Toluene-d8	87		%	1	08/29/23	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	97		%	50	08/28/23	JLI	70 - 130 %
% Bromofluorobenzene (50x)	98		%	50	08/28/23	JLI	70 - 130 %
% Dibromofluoromethane (50x)	93		%	50	08/28/23	JLI	70 - 130 %
% Toluene-d8 (50x)	94		%	50	08/28/23	JLI	70 - 130 %
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/31/23	PS	SW8270D
1,2,4-Trichlorobenzene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
1,2-Dichlorobenzene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
1,3-Dichlorobenzene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D

Project ID: C30138 HONEY HILL (C3-210)
Client ID: TP-15(2-3)

Phoenix I.D.: CO83140

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,4-Dichlorobenzene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
2,2'-Oxybis(1-Chloropropane)	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
2,4,5-Trichlorophenol	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
2,4,6-Trichlorophenol	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
2,4-Dichlorophenol	ND	1000	ug/Kg	1	08/31/23	PS	SW8270D
2,4-Dimethylphenol	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/31/23	PS	SW8270D
2,4-Dinitrotoluene	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
2-Chloronaphthalene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
2-Chlorophenol	ND	1000	ug/Kg	1	08/31/23	PS	SW8270D
2-Methylnaphthalene	ND	560	ug/Kg	1	08/31/23	PS	SW8270D
2-Methylphenol (o-cresol)	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
2-Nitroaniline	ND	300	ug/Kg	1	08/31/23	PS	SW8270D
2-Nitrophenol	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	1700	ug/Kg	1	08/31/23	PS	SW8270D
3,3'-Dichlorobenzidine	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
3-Nitroaniline	ND	300	ug/Kg	1	08/31/23	PS	SW8270D
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/31/23	PS	SW8270D
4-Bromophenyl phenyl ether	ND	1700	ug/Kg	1	08/31/23	PS	SW8270D
4-Chloro-3-methylphenol	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
4-Chloroaniline	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
4-Chlorophenyl phenyl ether	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
4-Nitroaniline	ND	300	ug/Kg	1	08/31/23	PS	SW8270D
4-Nitrophenol	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
Acenaphthene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
Acenaphthylene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
Acetophenone	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
Aniline	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
Anthracene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
Benz(a)anthracene	ND	1000	ug/Kg	1	08/31/23	PS	SW8270D
Benzidine	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
Benzo(a)pyrene	ND	1000	ug/Kg	1	08/31/23	PS	SW8270D
Benzo(b)fluoranthene	1100	1000	ug/Kg	1	08/31/23	PS	SW8270D
Benzo(ghi)perylene	ND	1000	ug/Kg	1	08/31/23	PS	SW8270D
Benzo(k)fluoranthene	ND	1000	ug/Kg	1	08/31/23	PS	SW8270D
Benzoic acid	ND	3300	ug/Kg	1	08/31/23	PS	SW8270D
Benzyl butyl phthalate	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
Bis(2-chloroethoxy)methane	ND	420	ug/Kg	1	08/31/23	PS	SW8270D
Bis(2-chloroethyl)ether	ND	1000	ug/Kg	1	08/31/23	PS	SW8270D
Bis(2-ethylhexyl)phthalate	ND	1000	ug/Kg	1	08/31/23	PS	SW8270D
Carbazole	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
Chrysene	ND	1000	ug/Kg	1	08/31/23	PS	SW8270D
Dibenz(a,h)anthracene	ND	1000	ug/Kg	1	08/31/23	PS	SW8270D
Dibenzofuran	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
Diethyl phthalate	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
Dimethylphthalate	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
Di-n-butylphthalate	ND	1700	ug/Kg	1	08/31/23	PS	SW8270D
Di-n-octylphthalate	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D

Project ID: C30138 HONEY HILL (C3-210)
Client ID: TP-15(2-3)

Phoenix I.D.: CO83140

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Fluoranthene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
Fluorene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
Hexachlorobenzene	ND	1000	ug/Kg	1	08/31/23	PS	SW8270D
Hexachlorobutadiene	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
Hexachlorocyclopentadiene	ND	840	ug/Kg	1	08/31/23	PS	SW8270D
Hexachloroethane	ND	1000	ug/Kg	1	08/31/23	PS	SW8270D
Indeno(1,2,3-cd)pyrene	ND	1000	ug/Kg	1	08/31/23	PS	SW8270D
Isophorone	ND	740	ug/Kg	1	08/31/23	PS	SW8270D
Naphthalene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
Nitrobenzene	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/31/23	PS	SW8270D
Pentachlorophenol	ND	1000	ug/Kg	1	08/31/23	PS	SW8270D
Phenanthrene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
Phenol	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
Pyrene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
Pyridine	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	70		%	1	08/31/23	PS	30 - 130 %
% 2-Fluorobiphenyl	64		%	1	08/31/23	PS	30 - 130 %
% 2-Fluorophenol	61		%	1	08/31/23	PS	30 - 130 %
% Nitrobenzene-d5	72		%	1	08/31/23	PS	30 - 130 %
% Phenol-d5	66		%	1	08/31/23	PS	30 - 130 %
% Terphenyl-d14	63		%	1	08/31/23	PS	30 - 130 %

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

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Semi-Volatile Comment:
An elevated RL was reported due to low % solids; some compounds are evaluated below the lowest calibration standard.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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 13, 2023
Reviewed and Released by: Ethan Lee, 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

September 13, 2023

FOR: Attn: Tim Myjak
EKI Environmental & Water Inc
80 Eastern Blvd. Suite 5
Glastonbury, CT 06033

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		08/25/23	10:35
Location Code:	EKI	Received by:	SR1	08/25/23	13:43
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	C3-210 C30138				

Laboratory Data

SDG ID: GCO83124
Phoenix ID: CO83141

Project ID: C30138 HONEY HILL (C3-210)
Client ID: TP-15(4-5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.69	0.69	mg/Kg	1	09/09/23	CPP	SW6010D
Arsenic	16.9	1.4	mg/Kg	1	09/09/23	CPP	SW6010D
Barium	162	0.69	mg/Kg	1	09/09/23	CPP	SW6010D
Beryllium	< 0.55	0.55	mg/Kg	1	09/09/23	CPP	SW6010D
Cadmium	2.39	0.69	mg/Kg	1	09/09/23	CPP	SW6010D
Chromium	27.1	0.69	mg/Kg	1	09/09/23	CPP	SW6010D
Copper	70.2	1.4	mg/kg	1	09/09/23	CPP	SW6010D
Mercury	0.13	0.06	mg/Kg	2	09/11/23	AL1	SW7471B
Nickel	15.4	0.69	mg/Kg	1	09/09/23	CPP	SW6010D
Lead	280	0.69	mg/Kg	1	09/09/23	CPP	SW6010D
Antimony	< 6.9	6.9	mg/Kg	1	09/09/23	CPP	SW6010D
Selenium	< 2.8	2.8	mg/Kg	1	09/09/23	CPP	SW6010D
Thallium	< 5.0	5.0	mg/Kg	1	09/09/23	CPP	SW6010D
Vanadium	25.6	0.69	mg/Kg	1	09/09/23	CPP	SW6010D
Zinc	640	14	mg/Kg	10	09/11/23	TH	SW6010D
Percent Solid	43		%		08/28/23	CV	SW846-%Solid
Mercury Digestion	Completed				09/11/23	AL/AL	SW7471B
Soil Extraction for SVOA	Completed				08/30/23	C/JDW	SW3545A
Extraction for PCB	Completed				08/29/23	/R/AC1/M	SW3540C
Total Metals Digest	Completed				08/28/23	P/AG	SW3050B

PCB (Soxhlet SW3540C)

PCB-1016	ND	760	ug/Kg	10	08/31/23	SC	SW8082A
PCB-1221	ND	760	ug/Kg	10	08/31/23	SC	SW8082A
PCB-1232	ND	760	ug/Kg	10	08/31/23	SC	SW8082A
PCB-1242	ND	760	ug/Kg	10	08/31/23	SC	SW8082A
PCB-1248	ND	760	ug/Kg	10	08/31/23	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
PCB-1254	ND	760	ug/Kg	10	08/31/23	SC	SW8082A	
PCB-1260	ND	760	ug/Kg	10	08/31/23	SC	SW8082A	
PCB-1262	ND	760	ug/Kg	10	08/31/23	SC	SW8082A	
PCB-1268	ND	760	ug/Kg	10	08/31/23	SC	SW8082A	
QA/QC Surrogates								
% DCBP	66		%	10	08/31/23	SC	30 - 150 %	
% DCBP (Confirmation)	66		%	10	08/31/23	SC	30 - 150 %	
% TCMX	32		%	10	08/31/23	SC	30 - 150 %	
% TCMX (Confirmation)	29		%	10	08/31/23	SC	30 - 150 %	3
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/31/23	PS	SW8270D	
1,2,4-Trichlorobenzene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D	
1,2-Dichlorobenzene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D	
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/31/23	PS	SW8270D	
1,3-Dichlorobenzene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D	
1,4-Dichlorobenzene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D	
2,2'-Oxybis(1-Chloropropane)	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D	
2,4,5-Trichlorophenol	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D	
2,4,6-Trichlorophenol	ND	200	ug/Kg	1	08/31/23	PS	SW8270D	
2,4-Dichlorophenol	ND	1000	ug/Kg	1	08/31/23	PS	SW8270D	
2,4-Dimethylphenol	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D	
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/31/23	PS	SW8270D	
2,4-Dinitrotoluene	ND	200	ug/Kg	1	08/31/23	PS	SW8270D	
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/31/23	PS	SW8270D	
2-Chloronaphthalene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D	
2-Chlorophenol	ND	1000	ug/Kg	1	08/31/23	PS	SW8270D	
2-Methylnaphthalene	ND	560	ug/Kg	1	08/31/23	PS	SW8270D	
2-Methylphenol (o-cresol)	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D	
2-Nitroaniline	ND	300	ug/Kg	1	08/31/23	PS	SW8270D	
2-Nitrophenol	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D	
3&4-Methylphenol (m&p-cresol)	ND	1700	ug/Kg	1	08/31/23	PS	SW8270D	
3,3'-Dichlorobenzidine	ND	200	ug/Kg	1	08/31/23	PS	SW8270D	
3-Nitroaniline	ND	300	ug/Kg	1	08/31/23	PS	SW8270D	
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/31/23	PS	SW8270D	
4-Bromophenyl phenyl ether	ND	1700	ug/Kg	1	08/31/23	PS	SW8270D	
4-Chloro-3-methylphenol	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D	
4-Chloroaniline	ND	200	ug/Kg	1	08/31/23	PS	SW8270D	
4-Chlorophenyl phenyl ether	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D	
4-Nitroaniline	ND	300	ug/Kg	1	08/31/23	PS	SW8270D	
4-Nitrophenol	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D	
Acenaphthene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D	
Acenaphthylene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D	
Acetophenone	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D	
Aniline	ND	200	ug/Kg	1	08/31/23	PS	SW8270D	
Anthracene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D	
Benz(a)anthracene	1600	1200	ug/Kg	1	08/31/23	PS	SW8270D	
Benzidine	ND	200	ug/Kg	1	08/31/23	PS	SW8270D	
Benzo(a)pyrene	1400	1200	ug/Kg	1	08/31/23	PS	SW8270D	
Benzo(b)fluoranthene	3500	1200	ug/Kg	1	08/31/23	PS	SW8270D	

Project ID: C30138 HONEY HILL (C3-210)
Client ID: TP-15(4-5)

Phoenix I.D.: CO83141

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benzo(ghi)perylene	ND	1000	ug/Kg	1	08/31/23	PS	SW8270D
Benzo(k)fluoranthene	1200	1200	ug/Kg	1	08/31/23	PS	SW8270D
Benzoic acid	ND	3300	ug/Kg	1	08/31/23	PS	SW8270D
Benzyl butyl phthalate	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
Bis(2-chloroethoxy)methane	ND	420	ug/Kg	1	08/31/23	PS	SW8270D
Bis(2-chloroethyl)ether	ND	1000	ug/Kg	1	08/31/23	PS	SW8270D
Bis(2-ethylhexyl)phthalate	ND	1000	ug/Kg	1	08/31/23	PS	SW8270D
Carbazole	430	200	ug/Kg	1	08/31/23	PS	SW8270D
Chrysene	2600	1200	ug/Kg	1	08/31/23	PS	SW8270D
Dibenz(a,h)anthracene	ND	1000	ug/Kg	1	08/31/23	PS	SW8270D
Dibenzofuran	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
Diethyl phthalate	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
Dimethylphthalate	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
Di-n-butylphthalate	ND	1700	ug/Kg	1	08/31/23	PS	SW8270D
Di-n-octylphthalate	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
Fluoranthene	2600	1200	ug/Kg	1	08/31/23	PS	SW8270D
Fluorene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
Hexachlorobenzene	ND	1000	ug/Kg	1	08/31/23	PS	SW8270D
Hexachlorobutadiene	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
Hexachlorocyclopentadiene	ND	840	ug/Kg	1	08/31/23	PS	SW8270D
Hexachloroethane	ND	1000	ug/Kg	1	08/31/23	PS	SW8270D
Indeno(1,2,3-cd)pyrene	ND	1000	ug/Kg	1	08/31/23	PS	SW8270D
Isophorone	ND	740	ug/Kg	1	08/31/23	PS	SW8270D
Naphthalene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
Nitrobenzene	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/31/23	PS	SW8270D
Pentachlorophenol	1500	1000	ug/Kg	1	08/31/23	PS	SW8270D
Phenanthrene	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
Phenol	ND	1200	ug/Kg	1	08/31/23	PS	SW8270D
Pyrene	4000	1200	ug/Kg	1	08/31/23	PS	SW8270D
Pyridine	ND	200	ug/Kg	1	08/31/23	PS	SW8270D
QA/QC Surrogates							
% 2,4,6-Tribromophenol	70		%	1	08/31/23	PS	30 - 130 %
% 2-Fluorobiphenyl	62		%	1	08/31/23	PS	30 - 130 %
% 2-Fluorophenol	58		%	1	08/31/23	PS	30 - 130 %
% Nitrobenzene-d5	71		%	1	08/31/23	PS	30 - 130 %
% Phenol-d5	64		%	1	08/31/23	PS	30 - 130 %
% Terphenyl-d14	59		%	1	08/31/23	PS	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

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

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Semi-Volatile Comment:
An elevated RL was reported due to low % solids; some compounds are evaluated below the lowest calibration 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
September 13, 2023
Reviewed and Released by: Ethan Lee, Project Manager

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

QA/QC Report

September 13, 2023

QA/QC Data

SDG I.D.: GCO83124

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 696382 (mg/kg), QC Sample No: CO83001 2X (CO83128, CO83136, CO83138, CO83140, CO83141)														
Mercury - Soil	BRL	0.02	0.04	<0.03	NC	95.5	101	5.6	78.9	70.2	11.7	70 - 130	30	m
Comment:														
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.														
QA/QC Batch 694458 (mg/kg), QC Sample No: CO84240 (CO83128, CO83136, CO83138, CO83140, CO83141)														
ICP Metals - Soil														
Antimony	BRL	3.3	<2.0	<3.7	NC	105	102	2.9	86.0			75 - 125	35	
Arsenic	BRL	0.67	3.61	3.26	NC	114	110	3.6	97.6			75 - 125	35	
Barium	BRL	0.33	89.1	85.7	3.90	116	113	2.6	105			75 - 125	35	
Beryllium	BRL	0.27	0.69	0.59	NC	113	110	2.7	95.4			75 - 125	35	
Cadmium	BRL	0.33	1.20	1.05	NC	114	113	0.9	99.6			75 - 125	35	
Chromium	BRL	0.33	22.7	20.1	12.1	119	113	5.2	99.6			75 - 125	35	
Copper	BRL	0.67	30.4	32.1	5.40	111	108	2.7	98.7			75 - 125	35	
Lead	BRL	0.33	16.2	12.7	24.2	109	107	1.9	99.5			75 - 125	35	
Nickel	BRL	0.33	16.9	14.9	12.6	115	112	2.6	98.2			75 - 125	35	
Selenium	BRL	1.3	<1.6	<1.5	NC	117	113	3.5	98.3			75 - 125	35	
Silver	BRL	0.33	<0.40	<0.37	NC	120	118	1.7	105			75 - 125	35	
Thallium	BRL	3.0	<0.8	<3.4	NC	112	108	3.6	94.4			75 - 125	35	
Vanadium	BRL	0.33	67.0	56.3	17.4	118	114	3.4	94.1			75 - 125	35	
Zinc	BRL	0.67	48.9	50.3	2.80	120	116	3.4	102			75 - 125	35	
Comment:														
Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.														

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

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

QA/QC Report

September 13, 2023

QA/QC Data

SDG I.D.: GCO83124

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 694915 (mg/Kg), QC Sample No: CO73854 (CO83136, CO83140)										
TPH by GC (Extractable Products) - Soil										
Ext. Petroleum H.C. (C9-C36)	ND	50	119	107	10.6	100	101	1.0	60 - 120	30
% COD (surr)	88	%	123	106	14.8	Intf	Intf	NC	50 - 150	30
% Terphenyl (surr)	91	%	106	104	1.9	114	89	24.6	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 695184 (ug/Kg), QC Sample No: CO81918 10X (CO83136, CO83140)										
Chlorinated Herbicides - Soil										
2,4,5-T	ND	130	70	59	17.1	74	77	4.0	40 - 140	30
2,4,5-TP (Silvex)	ND	130	75	63	17.4	76	80	5.1	40 - 140	30
2,4-D	ND	250	79	69	13.5	85	86	1.2	40 - 140	30
2,4-DB	ND	2500	61	51	17.9	62	66	6.3	40 - 140	30
Dalapon	ND	130	65	77	16.9	90	74	19.5	40 - 140	30
Dicamba	ND	130	72	69	4.3	69	73	5.6	40 - 140	30
Dichloroprop	ND	130	82	69	17.2	90	94	4.3	40 - 140	30
Dinoseb	ND	130	93	102	9.2	98	94	4.2	40 - 140	30
% DCAA (Surrogate Rec)	78	%	89	74	18.4	89	94	5.5	30 - 150	30
% DCAA (Surrogate Rec) (Confirm	92	%	105	81	25.8	103	105	1.9	30 - 150	30
Comment:										
Additional criteria: LCS acceptance range is 40-140% MS acceptance range 30-150%.										
QA/QC Batch 694703 (ug/Kg), QC Sample No: CO82999 10X (CO83141)										
Polychlorinated Biphenyls - Soil										
PCB-1016	ND	170	97			62	56	10.2	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	97			136	130	4.5	40 - 140	30
PCB-1262	ND	170							40 - 140	30
PCB-1268	ND	170							40 - 140	30
% DCBP (Surrogate Rec)	99	%	101			71	72	1.4	30 - 150	30
% DCBP (Surrogate Rec) (Confirm	102	%	98			70	92	27.2	30 - 150	30
% TCMX (Surrogate Rec)	95	%	96			49	48	2.1	30 - 150	30
% TCMX (Surrogate Rec) (Confirm	89	%	90			50	49	2.0	30 - 150	30
Comment:										
This batch consists of a Blank, LCS, MS and MSD.										

QA/QC Data

SDG I.D.: GCO83124

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 695110 (ug/Kg), QC Sample No: CO87087 10X (CO83136, CO83140)											
Polychlorinated Biphenyls - Soil											
PCB-1016	ND	170	101	98	3.0	53	58	9.0	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	91	93	2.2	52	60	14.3	40 - 140	30	
PCB-1262	ND	170							40 - 140	30	
PCB-1268	ND	170							40 - 140	30	
% DCBP (Surrogate Rec)	108	%	113	110	2.7	59	68	14.2	30 - 150	30	
% DCBP (Surrogate Rec) (Confirm	126	%	125	117	6.6	59	68	14.2	30 - 150	30	
% TCMX (Surrogate Rec)	92	%	97	88	9.7	43	55	24.5	30 - 150	30	
% TCMX (Surrogate Rec) (Confirm	94	%	99	92	7.3	44	52	16.7	30 - 150	30	
QA/QC Batch 694705 (ug/Kg), QC Sample No: CO83169 2X (CO83136)											
Pesticides - Soil											
4,4' -DDD	ND	1.7	60	70	15.4	56	63	11.8	40 - 140	30	
4,4' -DDE	ND	1.7	56	70	22.2	56	63	11.8	40 - 140	30	
4,4' -DDT	ND	1.7	54	70	25.8	57	69	19.0	40 - 140	30	
a-BHC	ND	1.0	55	65	16.7	50	56	11.3	40 - 140	30	
Alachlor	ND	3.3	NA	NA	NC	NA	NA	NC	40 - 140	30	
Aldrin	ND	1.0	57	68	17.6	54	62	13.8	40 - 140	30	
b-BHC	ND	1.0	57	72	23.3	57	109	62.7	40 - 140	30	r
Chlordane	ND	33	58	81	33.1	64	72	11.8	40 - 140	30	r
d-BHC	ND	3.3	47	70	39.3	54	66	20.0	40 - 140	30	r
Dieldrin	ND	1.0	56	75	29.0	56	73	26.4	40 - 140	30	
Endosulfan I	ND	3.3	57	67	16.1	53	59	10.7	40 - 140	30	
Endosulfan II	ND	3.3	59	68	14.2	52	61	15.9	40 - 140	30	
Endosulfan sulfate	ND	3.3	54	52	3.8	39	47	18.6	40 - 140	30	
Endrin	ND	3.3	54	71	27.2	54	64	16.9	40 - 140	30	
Endrin aldehyde	ND	3.3	50	73	37.4	50	56	11.3	40 - 140	30	r
Endrin ketone	ND	3.3	57	70	20.5	53	64	18.8	40 - 140	30	
g-BHC	ND	1.0	56	67	17.9	53	68	24.8	40 - 140	30	
Heptachlor	ND	3.3	53	66	21.8	52	89	52.5	40 - 140	30	r
Heptachlor epoxide	ND	3.3	55	58	5.3	46	50	8.3	40 - 140	30	
Methoxychlor	ND	3.3	55	74	29.5	54	65	18.5	40 - 140	30	
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	72	%	57	71	21.9	52	59	12.6	30 - 150	30	
% DCBP (Confirmation)	72	%	55	51	7.5	37	49	27.9	30 - 150	30	
% TCMX	65	%	53	63	17.2	52	56	7.4	30 - 150	30	
% TCMX (Confirmation)	63	%	51	56	9.3	47	56	17.5	30 - 150	30	
QA/QC Batch 695399 (ug/Kg), QC Sample No: CO85322 2X (CO83140)											
Pesticides - Soil											
4,4' -DDD	ND	1.7	100	103	3.0	110	113	2.7	40 - 140	30	
4,4' -DDE	ND	1.7	96	101	5.1	108	112	3.6	40 - 140	30	
4,4' -DDT	ND	1.7	94	97	3.1	105	107	1.9	40 - 140	30	
a-BHC	ND	1.0	92	88	4.4	93	99	6.3	40 - 140	30	
Alachlor	ND	3.3	NA	NA	NC	NA	NA	NC	40 - 140	30	
Aldrin	ND	1.0	97	95	2.1	99	102	3.0	40 - 140	30	
b-BHC	ND	1.0	89	92	3.3	99	103	4.0	40 - 140	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Chlordane	ND	33	95	95	0.0	101	105	3.9	40 - 140	30	
d-BHC	ND	3.3	59	53	10.7	91	90	1.1	40 - 140	30	
Dieldrin	ND	1.0	94	98	4.2	104	108	3.8	40 - 140	30	
Endosulfan I	ND	3.3	91	99	8.4	106	112	5.5	40 - 140	30	
Endosulfan II	ND	3.3	95	101	6.1	110	114	3.6	40 - 140	30	
Endosulfan sulfate	ND	3.3	88	92	4.4	99	104	4.9	40 - 140	30	
Endrin	ND	3.3	92	100	8.3	106	109	2.8	40 - 140	30	
Endrin aldehyde	ND	3.3	83	85	2.4	90	91	1.1	40 - 140	30	
Endrin ketone	ND	3.3	95	100	5.1	108	111	2.7	40 - 140	30	
g-BHC	ND	1.0	103	96	7.0	102	100	2.0	40 - 140	30	
Heptachlor	ND	3.3	89	94	5.5	98	101	3.0	40 - 140	30	
Heptachlor epoxide	ND	3.3	88	101	13.8	109	110	0.9	40 - 140	30	
Methoxychlor	ND	3.3	93	103	10.2	111	115	3.5	40 - 140	30	
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	90	%	87	94	7.7	101	103	2.0	30 - 150	30	
% DCBP (Confirmation)	87	%	93	100	7.3	112	106	5.5	30 - 150	30	
% TCMX	89	%	88	84	4.7	81	84	3.6	30 - 150	30	
% TCMX (Confirmation)	85	%	91	85	6.8	85	83	2.4	30 - 150	30	
QA/QC Batch 694946 (ug/kg), QC Sample No: CO83417 (CO83136, CO83138, CO83140, CO83141)											
Semivolatiles - Soil											
1,2,4,5-Tetrachlorobenzene	ND	230	53	52	1.9	71	61	15.2	40 - 140	30	
1,2,4-Trichlorobenzene	ND	230	54	53	1.9	69	62	10.7	40 - 140	30	
1,2-Dichlorobenzene	ND	180	51	51	0.0	65	59	9.7	40 - 140	30	
1,2-Diphenylhydrazine	ND	230	51	52	1.9	70	61	13.7	40 - 140	30	
1,3-Dichlorobenzene	ND	230	50	50	0.0	63	57	10.0	40 - 140	30	
1,4-Dichlorobenzene	ND	230	49	50	2.0	62	57	8.4	40 - 140	30	
2,2'-Oxybis(1-Chloropropane)	ND	230	54	53	1.9	69	62	10.7	40 - 140	30	
2,4,5-Trichlorophenol	ND	230	58	58	0.0	85	70	19.4	40 - 140	30	
2,4,6-Trichlorophenol	ND	130	59	58	1.7	85	72	16.6	30 - 130	30	
2,4-Dichlorophenol	ND	130	59	57	3.4	82	71	14.4	30 - 130	30	
2,4-Dimethylphenol	ND	230	56	55	1.8	78	70	10.8	30 - 130	30	
2,4-Dinitrophenol	ND	230	63	58	8.3	93	76	20.1	30 - 130	30	
2,4-Dinitrotoluene	ND	130	69	67	2.9	104	88	16.7	30 - 130	30	
2,6-Dinitrotoluene	ND	130	65	62	4.7	95	80	17.1	40 - 140	30	
2-Chloronaphthalene	ND	230	54	55	1.8	75	65	14.3	40 - 140	30	
2-Chlorophenol	ND	230	56	54	3.6	74	66	11.4	30 - 130	30	
2-Methylnaphthalene	ND	230	54	54	0.0	73	64	13.1	40 - 140	30	
2-Methylphenol (o-cresol)	ND	230	54	52	3.8	74	66	11.4	40 - 140	30	
2-Nitroaniline	ND	330	70	72	2.8	97	84	14.4	40 - 140	30	
2-Nitrophenol	ND	230	61	59	3.3	85	79	7.3	40 - 140	30	
3&4-Methylphenol (m&p-cresol)	ND	230	57	55	3.6	78	68	13.7	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	57	59	3.4	73	60	19.5	40 - 140	30	
3-Nitroaniline	ND	330	56	62	10.2	76	66	14.1	40 - 140	30	
4,6-Dinitro-2-methylphenol	ND	230	69	65	6.0	99	83	17.6	30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	57	56	1.8	82	68	18.7	40 - 140	30	
4-Chloro-3-methylphenol	ND	230	60	58	3.4	83	71	15.6	30 - 130	30	
4-Chloroaniline	ND	230	39	50	24.7	44	45	2.2	40 - 140	30	l
4-Chlorophenyl phenyl ether	ND	230	57	57	0.0	80	67	17.7	40 - 140	30	
4-Nitroaniline	ND	230	61	61	0.0	92	81	12.7	40 - 140	30	
4-Nitrophenol	ND	230	95	101	6.1	135	124	8.5	30 - 130	30	m
Acenaphthene	ND	230	55	55	0.0	75	68	9.8	30 - 130	30	
Acenaphthylene	ND	130	50	50	0.0	68	57	17.6	40 - 140	30	

QA/QC Data

SDG I.D.: GCO83124

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Acetophenone	ND	230	51	51	0.0	66	60	9.5	40 - 140	30	
Aniline	ND	330	39	42	7.4	45	39	14.3	40 - 140	30	l,m
Anthracene	ND	230	55	55	0.0	74	67	9.9	40 - 140	30	
Benz(a)anthracene	ND	230	53	53	0.0	69	76	9.7	40 - 140	30	
Benzidine	ND	330	14	22	44.4	<10	<10	NC	40 - 140	30	l,m,r
Benzo(a)pyrene	ND	130	60	61	1.7	76	83	8.8	40 - 140	30	
Benzo(b)fluoranthene	ND	160	56	55	1.8	78	84	7.4	40 - 140	30	
Benzo(ghi)perylene	ND	230	57	57	0.0	55	68	21.1	40 - 140	30	
Benzo(k)fluoranthene	ND	230	53	53	0.0	76	69	9.7	40 - 140	30	
Benzoic Acid	ND	670	75	69	8.3	109	97	11.7	30 - 130	30	
Benzyl butyl phthalate	ND	230	58	57	1.7	79	66	17.9	40 - 140	30	
Bis(2-chloroethoxy)methane	ND	230	55	55	0.0	70	64	9.0	40 - 140	30	
Bis(2-chloroethyl)ether	ND	130	52	51	1.9	66	60	9.5	40 - 140	30	
Bis(2-ethylhexyl)phthalate	ND	230	59	58	1.7	81	66	20.4	40 - 140	30	
Carbazole	ND	230	56	56	0.0	75	63	17.4	40 - 140	30	
Chrysene	ND	230	57	56	1.8	73	76	4.0	40 - 140	30	
Dibenz(a,h)anthracene	ND	130	57	56	1.8	58	62	6.7	40 - 140	30	
Dibenzofuran	ND	230	54	54	0.0	77	67	13.9	40 - 140	30	
Diethyl phthalate	ND	230	56	55	1.8	77	66	15.4	40 - 140	30	
Dimethylphthalate	ND	230	56	56	0.0	79	67	16.4	40 - 140	30	
Di-n-butylphthalate	ND	670	57	56	1.8	76	64	17.1	40 - 140	30	
Di-n-octylphthalate	ND	230	63	60	4.9	87	72	18.9	40 - 140	30	
Fluoranthene	ND	230	56	54	3.6	56	80	35.3	40 - 140	30	r
Fluorene	ND	230	55	55	0.0	75	63	17.4	40 - 140	30	
Hexachlorobenzene	ND	130	54	54	0.0	75	64	15.8	40 - 140	30	
Hexachlorobutadiene	ND	230	57	55	3.6	72	65	10.2	40 - 140	30	
Hexachlorocyclopentadiene	ND	230	54	53	1.9	44	34	25.6	40 - 140	30	m
Hexachloroethane	ND	130	51	51	0.0	63	57	10.0	40 - 140	30	
Indeno(1,2,3-cd)pyrene	ND	230	58	57	1.7	58	73	22.9	40 - 140	30	
Isophorone	ND	130	50	49	2.0	66	60	9.5	40 - 140	30	
Naphthalene	ND	230	53	53	0.0	70	63	10.5	40 - 140	30	
Nitrobenzene	ND	130	57	56	1.8	75	69	8.3	40 - 140	30	
N-Nitrosodimethylamine	ND	230	50	50	0.0	61	56	8.5	40 - 140	30	
N-Nitrosodi-n-propylamine	ND	130	52	52	0.0	67	62	7.8	40 - 140	30	
N-Nitrosodiphenylamine	ND	130	55	55	0.0	77	65	16.9	40 - 140	30	
Pentachloronitrobenzene	ND	230	60	58	3.4	88	74	17.3	40 - 140	30	
Pentachlorophenol	ND	230	72	69	4.3	113	91	21.6	30 - 130	30	
Phenanthrene	ND	130	54	53	1.9	63	63	0.0	40 - 140	30	
Phenol	ND	230	55	54	1.8	71	65	8.8	30 - 130	30	
Pyrene	ND	230	57	55	3.6	61	80	27.0	30 - 130	30	
Pyridine	ND	230	38	43	12.3	46	43	6.7	40 - 140	30	l
% 2,4,6-Tribromophenol	66	%	53	55	3.7	81	73	10.4	30 - 130	30	
% 2-Fluorobiphenyl	62	%	51	52	1.9	71	61	15.2	30 - 130	30	
% 2-Fluorophenol	58	%	52	51	1.9	66	60	9.5	30 - 130	30	
% Nitrobenzene-d5	63	%	55	54	1.8	73	68	7.1	30 - 130	30	
% Phenol-d5	62	%	54	54	0.0	69	64	7.5	30 - 130	30	
% Terphenyl-d14	62	%	53	53	0.0	72	60	18.2	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%)

QA/QC Data

SDG I.D.: GCO83124

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 694887 (ug/kg), QC Sample No: CO84614 (CO83128)											
Semivolatiles - Soil											
1,2,4,5-Tetrachlorobenzene	ND	230	57	51	11.1	62	56	10.2	40 - 140	30	
1,2,4-Trichlorobenzene	ND	230	55	49	11.5	60	53	12.4	40 - 140	30	
1,2-Dichlorobenzene	ND	180	48	42	13.3	52	44	16.7	40 - 140	30	
1,2-Diphenylhydrazine	ND	230	62	59	5.0	69	64	7.5	40 - 140	30	
1,3-Dichlorobenzene	ND	230	48	40	18.2	51	42	19.4	40 - 140	30	
1,4-Dichlorobenzene	ND	230	48	40	18.2	50	42	17.4	40 - 140	30	
2,2'-Oxybis(1-Chloropropane)	ND	230	52	46	12.2	57	49	15.1	40 - 140	30	
2,4,5-Trichlorophenol	ND	230	67	63	6.2	72	65	10.2	40 - 140	30	
2,4,6-Trichlorophenol	ND	130	69	65	6.0	73	67	8.6	30 - 130	30	
2,4-Dichlorophenol	ND	130	64	59	8.1	70	62	12.1	30 - 130	30	
2,4-Dimethylphenol	ND	230	66	60	9.5	73	67	8.6	30 - 130	30	
2,4-Dinitrophenol	ND	230	63	67	6.2	68	58	15.9	30 - 130	30	
2,4-Dinitrotoluene	ND	130	74	70	5.6	81	75	7.7	30 - 130	30	
2,6-Dinitrotoluene	ND	130	68	65	4.5	77	71	8.1	40 - 140	30	
2-Chloronaphthalene	ND	230	62	57	8.4	68	63	7.6	40 - 140	30	
2-Chlorophenol	ND	230	55	50	9.5	62	53	15.7	30 - 130	30	
2-Methylnaphthalene	ND	230	60	55	8.7	66	60	9.5	40 - 140	30	
2-Methylphenol (o-cresol)	ND	230	58	53	9.0	65	58	11.4	40 - 140	30	
2-Nitroaniline	ND	330	103	98	5.0	111	103	7.5	40 - 140	30	
2-Nitrophenol	ND	230	63	56	11.8	66	57	14.6	40 - 140	30	
3&4-Methylphenol (m&p-cresol)	ND	230	63	59	6.6	73	65	11.6	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	56	34	48.9	59	52	12.6	40 - 140	30	l,r
3-Nitroaniline	ND	330	38	31	20.3	39	33	16.7	40 - 140	30	l,m
4,6-Dinitro-2-methylphenol	ND	230	68	67	1.5	75	66	12.8	30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	67	63	6.2	73	69	5.6	40 - 140	30	
4-Chloro-3-methylphenol	ND	230	67	65	3.0	75	69	8.3	30 - 130	30	
4-Chloroaniline	ND	230	20	15	28.6	19	15	23.5	40 - 140	30	l,m
4-Chlorophenyl phenyl ether	ND	230	66	63	4.7	73	68	7.1	40 - 140	30	
4-Nitroaniline	ND	230	67	64	4.6	74	69	7.0	40 - 140	30	
4-Nitrophenol	ND	230	81	79	2.5	92	83	10.3	30 - 130	30	
Acenaphthene	ND	230	62	58	6.7	68	63	7.6	30 - 130	30	
Acenaphthylene	ND	130	58	53	9.0	63	59	6.6	40 - 140	30	
Acetophenone	ND	230	54	50	7.7	60	53	12.4	40 - 140	30	
Aniline	ND	330	22	17	25.6	61	12	134.2	40 - 140	30	l,m,r
Anthracene	ND	230	65	61	6.3	71	67	5.8	40 - 140	30	
Benz(a)anthracene	ND	230	63	61	3.2	71	65	8.8	40 - 140	30	
Benzidine	ND	330	<10	<10	NC	<10	<10	NC	40 - 140	30	l,m
Benzo(a)pyrene	ND	130	70	69	1.4	77	72	6.7	40 - 140	30	
Benzo(b)fluoranthene	ND	160	65	65	0.0	73	68	7.1	40 - 140	30	
Benzo(ghi)perylene	ND	230	69	67	2.9	75	70	6.9	40 - 140	30	
Benzo(k)fluoranthene	ND	230	64	62	3.2	68	64	6.1	40 - 140	30	
Benzoic Acid	ND	670	73	73	0.0	32	30	6.5	30 - 130	30	
Benzyl butyl phthalate	ND	230	74	71	4.1	82	76	7.6	40 - 140	30	
Bis(2-chloroethoxy)methane	ND	230	60	55	8.7	66	59	11.2	40 - 140	30	
Bis(2-chloroethyl)ether	ND	130	51	45	12.5	57	48	17.1	40 - 140	30	
Bis(2-ethylhexyl)phthalate	ND	230	74	72	2.7	83	76	8.8	40 - 140	30	
Carbazole	ND	230	68	64	6.1	73	69	5.6	40 - 140	30	
Chrysene	ND	230	69	65	6.0	73	69	5.6	40 - 140	30	
Dibenz(a,h)anthracene	ND	130	68	67	1.5	75	70	6.9	40 - 140	30	
Dibenzofuran	ND	230	64	60	6.5	70	65	7.4	40 - 140	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Diethyl phthalate	ND	230	67	64	4.6	75	69	8.3	40 - 140	30	
Dimethylphthalate	ND	230	66	62	6.3	73	68	7.1	40 - 140	30	
Di-n-butylphthalate	ND	670	73	69	5.6	80	74	7.8	40 - 140	30	
Di-n-octylphthalate	ND	230	77	74	4.0	86	80	7.2	40 - 140	30	
Fluoranthene	ND	230	68	64	6.1	73	69	5.6	40 - 140	30	
Fluorene	ND	230	66	62	6.3	73	67	8.6	40 - 140	30	
Hexachlorobenzene	ND	130	69	66	4.4	82	77	6.3	40 - 140	30	
Hexachlorobutadiene	ND	230	55	48	13.6	58	52	10.9	40 - 140	30	
Hexachlorocyclopentadiene	ND	230	50	50	0.0	60	53	12.4	40 - 140	30	
Hexachloroethane	ND	130	48	41	15.7	51	43	17.0	40 - 140	30	
Indeno(1,2,3-cd)pyrene	ND	230	69	68	1.5	77	71	8.1	40 - 140	30	
Isophorone	ND	130	55	49	11.5	60	54	10.5	40 - 140	30	
Naphthalene	ND	230	56	50	11.3	61	55	10.3	40 - 140	30	
Nitrobenzene	ND	130	53	49	7.8	60	54	10.5	40 - 140	30	
N-Nitrosodimethylamine	ND	230	47	38	21.2	47	40	16.1	40 - 140	30	l
N-Nitrosodi-n-propylamine	ND	130	57	53	7.3	65	57	13.1	40 - 140	30	
N-Nitrosodiphenylamine	ND	130	64	60	6.5	72	66	8.7	40 - 140	30	
Pentachloronitrobenzene	ND	230	65	62	4.7	72	69	4.3	40 - 140	30	
Pentachlorophenol	ND	230	64	64	0.0	71	64	10.4	30 - 130	30	
Phenanthrene	ND	130	65	61	6.3	70	66	5.9	40 - 140	30	
Phenol	ND	230	60	55	8.7	66	58	12.9	30 - 130	30	
Pyrene	ND	230	68	64	6.1	73	69	5.6	30 - 130	30	
Pyridine	ND	230	47	43	8.9	42	39	7.4	40 - 140	30	m
% 2,4,6-Tribromophenol	71	%	68	66	3.0	74	68	8.5	30 - 130	30	
% 2-Fluorobiphenyl	57	%	58	53	9.0	63	60	4.9	30 - 130	30	
% 2-Fluorophenol	53	%	52	47	10.1	57	49	15.1	30 - 130	30	
% Nitrobenzene-d5	51	%	49	46	6.3	56	51	9.3	30 - 130	30	
% Phenol-d5	58	%	56	52	7.4	63	58	8.3	30 - 130	30	
% Terphenyl-d14	64	%	62	59	5.0	68	65	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%)

QA/QC Batch 694659 (ug/kg), QC Sample No: CO83136 (CO83136)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	111	113	1.8				70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	96	103	7.0				70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	97	101	4.0				70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	94	99	5.2				70 - 130	30	
1,1-Dichloroethane	ND	5.0	97	105	7.9				70 - 130	30	
1,1-Dichloroethene	ND	5.0	86	92	6.7				70 - 130	30	
1,1-Dichloropropene	ND	5.0	98	103	5.0				70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	103	103	0.0				70 - 130	30	
1,2-Dibromoethane	ND	5.0	92	95	3.2				70 - 130	30	
1,2-Dichloroethane	ND	5.0	94	99	5.2				70 - 130	30	
1,2-Dichloropropane	ND	5.0	108	112	3.6				70 - 130	30	
1,3-Dichloropropane	ND	5.0	96	99	3.1				70 - 130	30	
2,2-Dichloropropane	ND	5.0	94	99	5.2				70 - 130	30	
2-Hexanone	ND	25	98	100	2.0				70 - 130	30	
4-Methyl-2-pentanone	ND	25	103	106	2.9				70 - 130	30	
Acetone	ND	10	73	79	7.9				70 - 130	30	
Acrylonitrile	ND	5.0	89	92	3.3				70 - 130	30	
Benzene	ND	1.0	100	104	3.9				70 - 130	30	

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Bromochloromethane	ND	5.0	93	100	7.3				70 - 130	30
Bromodichloromethane	ND	5.0	108	112	3.6				70 - 130	30
Bromoform	ND	5.0	118	119	0.8				70 - 130	30
Bromomethane	ND	5.0	85	90	5.7				70 - 130	30
Carbon Disulfide	ND	5.0	95	100	5.1				70 - 130	30
Carbon tetrachloride	ND	5.0	102	107	4.8				70 - 130	30
Chlorobenzene	ND	5.0	100	103	3.0				70 - 130	30
Chloroethane	ND	5.0	85	93	9.0				70 - 130	30
Chloroform	ND	5.0	94	100	6.2				70 - 130	30
Chloromethane	ND	5.0	115	124	7.5				70 - 130	30
cis-1,2-Dichloroethene	ND	5.0	96	102	6.1				70 - 130	30
cis-1,3-Dichloropropene	ND	5.0	108	112	3.6				70 - 130	30
Dibromochloromethane	ND	3.0	114	115	0.9				70 - 130	30
Dibromomethane	ND	5.0	93	97	4.2				70 - 130	30
Dichlorodifluoromethane	ND	5.0	84	91	8.0				70 - 130	30
Ethylbenzene	ND	1.0	98	101	3.0				70 - 130	30
m&p-Xylene	ND	2.0	95	98	3.1				70 - 130	30
Methyl ethyl ketone	ND	5.0	93	102	9.2				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	86	100	15.1				70 - 130	30
Methylene chloride	ND	5.0	83	87	4.7				70 - 130	30
o-Xylene	ND	2.0	100	103	3.0				70 - 130	30
Styrene	ND	5.0	96	100	4.1				70 - 130	30
Tetrachloroethene	ND	5.0	102	105	2.9				70 - 130	30
Tetrahydrofuran (THF)	ND	5.0	99	106	6.8				70 - 130	30
Toluene	ND	1.0	99	104	4.9				70 - 130	30
trans-1,2-Dichloroethene	ND	5.0	87	96	9.8				70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	110	114	3.6				70 - 130	30
Trichloroethene	ND	5.0	96	99	3.1				70 - 130	30
Trichlorofluoromethane	ND	5.0	93	99	6.3				70 - 130	30
Trichlorotrifluoroethane	ND	5.0	100	105	4.9				70 - 130	30
Vinyl chloride	ND	5.0	93	102	9.2				70 - 130	30
% 1,2-dichlorobenzene-d4	96	%	101	101	0.0				70 - 130	30
% Bromofluorobenzene	99	%	98	97	1.0				70 - 130	30
% Dibromofluoromethane	99	%	95	98	3.1				70 - 130	30
% Toluene-d8	93	%	103	103	0.0				70 - 130	30

Comment:

The Low Level MS/MSD are not reported for this batch.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

QA/QC Batch 694659H (ug/kg), QC Sample No: CO83136 50X (CO83136 (50X) , CO83140 (50X))

Volatiles - Soil (High Level)

1,2,3-Trichlorobenzene	ND	250	104	102	1.9	84	97	14.4	70 - 130	30
1,2,3-Trichloropropane	ND	250	101	93	8.2	79	90	13.0	70 - 130	30
1,2,4-Trichlorobenzene	ND	250	102	102	0.0	84	96	13.3	70 - 130	30
1,2,4-Trimethylbenzene	ND	250	99	106	6.8	92	103	11.3	70 - 130	30
1,2-Dichlorobenzene	ND	250	103	105	1.9	89	101	12.6	70 - 130	30
1,3,5-Trimethylbenzene	ND	250	98	106	7.8	92	104	12.2	70 - 130	30
1,3-Dichlorobenzene	ND	250	99	104	4.9	89	101	12.6	70 - 130	30
1,4-Dichlorobenzene	ND	250	101	106	4.8	90	102	12.5	70 - 130	30
2-Chlorotoluene	ND	250	95	103	8.1	89	100	11.6	70 - 130	30
2-Isopropyltoluene	ND	250	97	106	8.9	90	103	13.5	70 - 130	30
4-Chlorotoluene	ND	250	96	102	6.1	87	99	12.9	70 - 130	30

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bromobenzene	ND	250	100	104	3.9	87	101	14.9	70 - 130	30	
Hexachlorobutadiene	ND	250	101	109	7.6	92	107	15.1	70 - 130	30	
Isopropylbenzene	ND	250	96	105	9.0	92	104	12.2	70 - 130	30	
Naphthalene	ND	250	105	97	7.9	78	92	16.5	70 - 130	30	
n-Butylbenzene	ND	250	101	112	10.3	95	106	10.9	70 - 130	30	
n-Propylbenzene	ND	250	97	107	9.8	92	104	12.2	70 - 130	30	
p-Isopropyltoluene	ND	250	98	107	8.8	92	103	11.3	70 - 130	30	
sec-Butylbenzene	ND	250	96	107	10.8	91	104	13.3	70 - 130	30	
tert-Butylbenzene	ND	250	95	105	10.0	89	102	13.6	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	250	137	124	10.0	91	109	18.0	70 - 130	30	l
% 1,2-dichlorobenzene-d4	96	%	103	100	3.0	103	102	1.0	70 - 130	30	
% Bromofluorobenzene	99	%	99	97	2.0	96	98	2.1	70 - 130	30	
% Dibromofluoromethane	100	%	100	94	6.2	97	94	3.1	70 - 130	30	
% Toluene-d8	93	%	104	103	1.0	103	103	0.0	70 - 130	30	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

QA/QC Batch 694618 (ug/kg), QC Sample No: CO84206 (CO83140)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	112	112	0.0	108	104	3.8	70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	101	103	2.0	99	98	1.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	102	103	1.0	104	98	5.9	70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	100	104	3.9	99	95	4.1	70 - 130	30	
1,1-Dichloroethane	ND	5.0	104	104	0.0	101	100	1.0	70 - 130	30	
1,1-Dichloroethene	ND	5.0	93	93	0.0	87	88	1.1	70 - 130	30	
1,1-Dichloropropene	ND	5.0	104	106	1.9	102	100	2.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	5.0	100	103	3.0	94	89	5.5	70 - 130	30	
1,2-Dibromoethane	ND	5.0	96	98	2.1	95	91	4.3	70 - 130	30	
1,2-Dichloroethane	ND	5.0	99	103	4.0	98	95	3.1	70 - 130	30	
1,2-Dichloropropane	ND	5.0	112	116	3.5	112	109	2.7	70 - 130	30	
1,3-Dichloropropane	ND	5.0	100	101	1.0	100	96	4.1	70 - 130	30	
2,2-Dichloropropane	ND	5.0	97	96	1.0	90	93	3.3	70 - 130	30	
2-Hexanone	ND	25	102	106	3.8	98	91	7.4	70 - 130	30	
4-Methyl-2-pentanone	ND	25	107	114	6.3	105	100	4.9	70 - 130	30	
Acetone	ND	10	77	78	1.3	46	67	37.2	70 - 130	30	m,r
Acrylonitrile	ND	5.0	94	94	0.0	88	87	1.1	70 - 130	30	
Benzene	ND	1.0	106	109	2.8	104	102	1.9	70 - 130	30	
Bromochloromethane	ND	5.0	98	97	1.0	96	94	2.1	70 - 130	30	
Bromodichloromethane	ND	5.0	110	113	2.7	108	105	2.8	70 - 130	30	
Bromoform	ND	5.0	109	114	4.5	103	101	2.0	70 - 130	30	
Bromomethane	ND	5.0	88	87	1.1	83	81	2.4	70 - 130	30	
Carbon Disulfide	ND	5.0	100	101	1.0	93	93	0.0	70 - 130	30	
Carbon tetrachloride	ND	5.0	104	103	1.0	97	97	0.0	70 - 130	30	
Chlorobenzene	ND	5.0	105	105	0.0	102	99	3.0	70 - 130	30	
Chloroethane	ND	5.0	90	89	1.1	83	85	2.4	70 - 130	30	
Chloroform	ND	5.0	99	101	2.0	97	96	1.0	70 - 130	30	
Chloromethane	ND	5.0	129	125	3.1	109	110	0.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	5.0	102	103	1.0	99	97	2.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	5.0	111	113	1.8	107	105	1.9	70 - 130	30	
Dibromochloromethane	ND	3.0	111	113	1.8	108	104	3.8	70 - 130	30	
Dibromomethane	ND	5.0	97	100	3.0	98	92	6.3	70 - 130	30	
Dichlorodifluoromethane	ND	5.0	101	98	3.0	81	79	2.5	70 - 130	30	

QA/QC Data

SDG I.D.: GCO83124

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Ethylbenzene	ND	1.0	103	103	0.0	100	97	3.0	70 - 130	30
m&p-Xylene	ND	2.0	101	100	1.0	91	89	2.2	70 - 130	30
Methyl ethyl ketone	ND	5.0	103	101	2.0	90	87	3.4	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	91	92	1.1	87	85	2.3	70 - 130	30
Methylene chloride	ND	5.0	89	88	1.1	84	83	1.2	70 - 130	30
o-Xylene	ND	2.0	104	103	1.0	102	99	3.0	70 - 130	30
Styrene	ND	5.0	101	102	1.0	96	93	3.2	70 - 130	30
Tetrachloroethene	ND	5.0	107	110	2.8	104	100	3.9	70 - 130	30
Tetrahydrofuran (THF)	ND	5.0	106	111	4.6	100	99	1.0	70 - 130	30
Toluene	ND	1.0	106	109	2.8	105	102	2.9	70 - 130	30
trans-1,2-Dichloroethene	ND	5.0	93	92	1.1	89	86	3.4	70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	110	113	2.7	105	102	2.9	70 - 130	30
Trichloroethene	ND	5.0	102	105	2.9	100	97	3.0	70 - 130	30
Trichlorofluoromethane	ND	5.0	102	99	3.0	92	93	1.1	70 - 130	30
Trichlorotrifluoroethane	ND	5.0	107	104	2.8	98	99	1.0	70 - 130	30
Vinyl chloride	ND	5.0	102	102	0.0	90	91	1.1	70 - 130	30
% 1,2-dichlorobenzene-d4	96	%	103	101	2.0	101	100	1.0	70 - 130	30
% Bromofluorobenzene	97	%	99	98	1.0	97	96	1.0	70 - 130	30
% Dibromofluoromethane	96	%	97	96	1.0	96	97	1.0	70 - 130	30
% Toluene-d8	94	%	103	104	1.0	103	103	0.0	70 - 130	30

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

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.

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 13, 2023

Wednesday, September 13, 2023

Criteria: CT: GAM, RC

State: CT

Sample Criteria Exceedances Report

GCO83124 - EKI

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CO83136	$8270-SMR	Benzo(b)fluoranthene	CT / RSR DEC RES (mg/kg) / Semivolatiles	1800	490	1000	1000	ug/Kg
CO83136	$8270-SMR	Benzo(b)fluoranthene	CT / RSR GA (mg/kg) / Semivolatiles	1800	490	1000	1000	ug/Kg
CO83136	$8270-SMR	Carbazole	CT / RSR GA,GAA (mg/kg) / APS Organics	270	200	200	200	ug/Kg
CO83136	$PEST_SMR	Chlordane	CT / RSR GA (mg/kg) / Pesticides/TPH	140	71	66	66	ug/Kg
CO83136	$PEST_SMR	Chlordane	CT / RSR GA,GAA (mg/kg) / APS Organics	140	71	66	66	ug/Kg
CO83136	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	16.9	1.5	10	10	mg/Kg
CO83138	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	12.1	0.77	10	10	mg/Kg
CO83140	$8270-SMR	Benzo(b)fluoranthene	CT / RSR DEC RES (mg/kg) / Semivolatiles	1100	1000	1000	1000	ug/Kg
CO83140	$8270-SMR	Benzo(b)fluoranthene	CT / RSR GA (mg/kg) / Semivolatiles	1100	1000	1000	1000	ug/Kg
CO83140	$PEST_SMR	Chlordane	CT / RSR GA (mg/kg) / Pesticides/TPH	150	78	66	66	ug/Kg
CO83140	$PEST_SMR	Chlordane	CT / RSR GA,GAA (mg/kg) / APS Organics	150	78	66	66	ug/Kg
CO83140	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	37.0	1.7	10	10	mg/Kg
CO83141	$8270-SMR	Pentachlorophenol	CT / RSR GA (mg/kg) / Semivolatiles	1500	1000	1000	1000	ug/Kg
CO83141	$8270-SMR	Carbazole	CT / RSR GA,GAA (mg/kg) / APS Organics	430	200	200	200	ug/Kg
CO83141	$8270-SMR	Benz(a)anthracene	CT / RSR DEC RES (mg/kg) / Semivolatiles	1600	1200	1000	1000	ug/Kg
CO83141	$8270-SMR	Benz(a)anthracene	CT / RSR GA (mg/kg) / Semivolatiles	1600	1200	1000	1000	ug/Kg
CO83141	$8270-SMR	Chrysene	CT / RSR GA,GAA (mg/kg) / APS Organics	2600	1200	1000	1000	ug/Kg
CO83141	$8270-SMR	Benzo(b)fluoranthene	CT / RSR DEC RES (mg/kg) / Semivolatiles	3500	1200	1000	1000	ug/Kg
CO83141	$8270-SMR	Benzo(b)fluoranthene	CT / RSR GA (mg/kg) / Semivolatiles	3500	1200	1000	1000	ug/Kg
CO83141	$8270-SMR	Benzo(k)fluoranthene	CT / RSR GA (mg/kg) / Semivolatiles	1200	1200	1000	1000	ug/Kg
CO83141	$8270-SMR	Benzo(a)pyrene	CT / RSR DEC RES (mg/kg) / Semivolatiles	1400	1200	1000	1000	ug/Kg
CO83141	$8270-SMR	Benzo(a)pyrene	CT / RSR GA (mg/kg) / Semivolatiles	1400	1200	1000	1000	ug/Kg
CO83141	AS-SM	Arsenic	CT / RSR DEC RES (mg/kg) / Inorganics	16.9	1.4	10	10	mg/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:*** EKI Environmental & Water Inc

Project Location: C30138 HONEY HILL (C3-210) ***Project Number:***

Laboratory Sample ID(s): CO83128, CO83136, CO83138, CO83140, CO83141 ***Sampling Date(s):*** 8/25/2023

List RCP Methods Used (e.g., 8260, 8270, et cetera) 6010, 7470/7471, 8081, 8082, 8151, 8260, 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?**	☑ Yes ☐ No
1A	**Were the method specified preservation and holding time requirements met?**	☑ Yes ☐ No
1B	***VPH and EPH methods only:*** **Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)**	☐ Yes ☐ No ☑ NA
2	**Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?**	☑ Yes ☐ No
3	**Were samples received at an appropriate temperature (< 6 Degrees C)?**	☐ Yes ☑ No ☐ NA
4	**Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Sections: PEST Narration, SVOA Narration, VOA Narration.**	☐ Yes ☑ No
5	**a) Were reporting limits specified or referenced on the chain-of-custody?** **b) Were these reporting limits met?**	☑ Yes ☐ No ☑ Yes ☐ 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?**	☑ Yes ☐ No
7	**Are project-specific matrix spikes and laboratory duplicates included in the data set?**	☑ Yes ☐ 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: Ethan Lee **Position:** Project Manager

Printed Name: Ethan Lee **Date:** Wednesday, September 13, 2023

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

NY # 11301

RCP Certification Report

September 13, 2023

SDG I.D.: GCO83124

SDG Comments

Temperature above 6C:
The samples were received in a cooler with ice packs. The samples were delivered to the Laboratory within a short period of time after sample collection. Therefore no significant bias is suspected.

ETPH Narration

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

Instrument:

AU-FID84 08/31/23-1 Keith Aloisa, Chemist 08/31/23

CO83136 (10X), CO83140 (10X)

The initial calibration (ET_717AI) 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 (831A003_4) 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 694915 (CO73854)

CO83136, CO83140

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.

Herbicide Narration

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

Instrument:

AU-ECD2 09/05/23-1 Jeff Bucko, Chemist 09/05/23

CO83136 (10X), CO83140 (10X)

The initial calibration (HRB822AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (HRB822BI) 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: CO83136
Preceding CC 905B003 - 2,4-DB (12) -20%L (15%), Dalapon (1) 18%H (15%), Dinoseb 25%H (15%)
Succeeding CC 905B015 - Dinoseb 30%H (15%)
Samples: CO83140
Preceding CC 905B015 - Dinoseb 30%H (15%)
Succeeding CC 905B027 - Dinoseb 34%H (15%)

QC (Batch Specific):

Batch 695184 (CO81918)

CO83136, CO83140

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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RCP Certification Report

September 13, 2023

SDG I.D.: GCO83124

Herbicide Narration

Additional criteria: LCS acceptance range is 40-140% MS acceptance range 30-150%.

Mercury Narration

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

Instrument:

MERLIN 09/11/23 20:54 Alexander Latka, Chemist 09/11/23

CO83128, CO83136, CO83138, CO83140, CO83141

The method preparation blank, ICB, and CCBs contain all of the acids and reagents as the samples.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interference for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 696382 (CO83001)

CO83128, CO83136, CO83138, CO83140, CO83141

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

ICP Metals Narration

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

Instrument:

ARCOS-2 09/09/23 11:59 Cindy Pearce, Tina Hall, Chemist 09/09/23

CO83128, CO83136, CO83138, CO83140, CO83141

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-2 09/11/23 11:29 Cindy Pearce, Tina Hall, Chemist 09/11/23

CO83140, CO83141

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):

Environmental Laboratories, Inc.
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NY # 11301

Certification Report

September 13, 2023

SDG I.D.: GCO83124

ICP Metals Narration

Batch 694458 (CO84240)

CO83128, CO83136, CO83138, CO83140, CO83141

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%.

PCB Narration

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

Instrument:

AU-ECD7 08/31/23-1 Saadia Chudary, Chemist 08/31/23

CO83141 (10X)

The initial calibration (PC0808AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0808BI) 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-ECD7 09/01/23-1 Saadia Chudary, Chemist 09/01/23

CO83136 (10X), CO83140 (10X)

The initial calibration (PC0808AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0808BI) 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 694703 (CO82999)

CO83141

All LCS recoveries were within 40 - 140 with the following exceptions: None.
This batch consists of a Blank, LCS, MS and MSD.

Batch 695110 (CO87087)

CO83136, CO83140

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.

PEST Narration

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

QC Batch 694705 (Samples: CO83136): -----

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. (d-BHC, Endrin aldehyde)

The LCS/LCSD RPD exceeds the method criteria for one or more analytes, therefore there may be variability in the reported result. (Chlordane)

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RCP Certification Report

September 13, 2023

SDG I.D.: GCO83124

PEST Narration

Instrument:

AU-ECD4 08/30/23-1 Adam Werner, Chemist 08/30/23

CO83136 (2X)

The initial calibration (PS0821AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PS0821BI) 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: CO83136
Preceding CC 830B041 - None.
Succeeding CC 830B054 - b-BHC 21%H (20%), Endrin aldehyde 22%H (20%)

AU-ECD4 09/05/23-1 Adam Werner, Chemist 09/05/23

CO83140 (2X)

The initial calibration (PS0901AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PS0901BI) 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.

QC (Batch Specific):

Batch 694705 (CO83169)

CO83136

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: Chlordane(33.1%), d-BHC(39.3%), Endrin aldehyde(37.4%)

Batch 695399 (CO85322)

CO83140

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.

SVOA Narration

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RCP Certification Report

September 13, 2023

SDG I.D.: GCO83124

SVOA Narration

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

QC Batch 694887 (Samples: CO83128): -----

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. (3,3''-Dichlorobenzidine, N-Nitrosodimethylamine)

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. (3,3''-Dichlorobenzidine)

The QC recoveries for one or more analytes is below the method criteria. A slight low bias is likely. (3-Nitroaniline, 4-Chloroaniline, Aniline, Benzidine)

QC Batch 694946 (Samples: CO83136, CO83138, CO83140, CO83141): -----

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. (4-Chloroaniline, Pyridine)

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. (Benzidine)

The QC recoveries for one or more analytes is below the method criteria. A slight low bias is likely. (Aniline, Benzidine)

Instrument:

CHEM06 08/30/23-2 Adam Werner, Chemist 08/30/23

CO83136 (1X), CO83138 (1X), CO83140 (1X), CO83141 (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 (CHEM06/6_SPLIT_0830):
100% of target compounds met criteria.
The following compounds had %RSDs >20%: None.
The following compounds did not meet recommended response factors: 2-Nitrophenol 0.064 (0.1), Hexachlorobenzene 0.086 (0.1)
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM06/0830_19-6_SPLIT_0830):
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: 2-Nitrophenol 0.066 (0.1), Hexachlorobenzene 0.084 (0.1)
The following compounds did not meet minimum response factors: None.

CHEM07 08/30/23-1 Matt Richard, Chemist 08/30/23

CO83128 (1X)

For 8270 full list, the DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and

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RCP Certification Report

September 13, 2023

SDG I.D.: GCO83124

SVOA Narration

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_0824):
100% of target compounds met criteria.
The following compounds had %RSDs >20%: None.
The following compounds did not meet recommended response factors: 2-Nitrophenol 0.064 (0.1), Hexachlorobenzene 0.086 (0.1)
The following compounds did not meet a minimum response factors: None.

Continuing Calibration Verification (CHEM07/0830_04-7_SPLIT_0824):
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: 2-Nitrophenol 0.068 (0.1), Hexachlorobenzene 0.086 (0.1)
The following compounds did not meet minimum response factors: None.

QC (Batch Specific):

Batch 694887 (CO84614)

CO83128

All LCS recoveries were within 40 - 140 with the following exceptions: 3-Nitroaniline(38%), 4-Chloroaniline(20%), Aniline(22%), Benzidine(<10%)
All LCSD recoveries were within 40 - 140 with the following exceptions: 3,3'-Dichlorobenzidine(34%), 3-Nitroaniline(31%), 4-Chloroaniline(15%), Aniline(17%), Benzidine(<10%), N-Nitrosodimethylamine(38%)
All LCS/LCSD RPDs were less than 30% with the following exceptions: 3,3'-Dichlorobenzidine(48.9%)
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 694946 (CO83417)

CO83136, CO83138, CO83140, CO83141

All LCS recoveries were within 40 - 140 with the following exceptions: 4-Chloroaniline(39%), Aniline(39%), Benzidine(14%), Pyridine(38%)
All LCSD recoveries were within 40 - 140 with the following exceptions: Benzidine(22%)
All LCS/LCSD RPDs were less than 30% with the following exceptions: Benzidine(44.4%)
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%)

VOA Narration

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

QC Batch 694659H: -----

The LCS and/or the LCSD recovery is above the upper range for one or more analytes that were not reported in the sample(s), therefore no significant bias is suspected. (trans-1,4-dichloro-2-butene)

Instrument:

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RCP Certification Report

September 13, 2023

SDG I.D.: GCO83124

VOA Narration

CHEM18 08/28/23-1 Jane Li, Chemist 08/28/23

CO83136 (1X, 50X), CO83140 (50X)

Initial Calibration Evaluation (CHEM18/VT-M080923P):
97% of target compounds met criteria.
The following compounds had %RSDs >20%: 1,2-Dibromo-3-chloropropane 25% (20%), Bromoform 21% (20%), trans-1,4-dichloro-2-butene 34% (20%)
The following compounds did not meet Table 4 recommended minimum response factors: None.
The following compounds did not meet the minimum response factor of 0.05: None.

Continuing Calibration Verification (CHEM18/0828_02-VT-M080923P):
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: trans-1,4-dichloro-2-butene 32%H (30%)
The following compounds did not meet maximum % deviations: None.
The following compounds did not meet Table 4 recommended minimum response factors: None.

CHEM18 08/28/23-2 Jane Li, Chemist 08/28/23

CO83140 (1X)

Initial Calibration Evaluation (CHEM18/VT-M080923P):
97% of target compounds met criteria.
The following compounds had %RSDs >20%: 1,2-Dibromo-3-chloropropane 25% (20%), Bromoform 21% (20%)
The following compounds did not meet Table 4 recommended minimum response factors: None.
The following compounds did not meet the minimum response factor of 0.05: None.

Continuing Calibration Verification (CHEM18/0828_36-VT-M080923P):
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 Table 4 recommended minimum response factors: None.

QC (Batch Specific):

Batch 694618 (CO84206) CHEM18 8/28/2023-2

CO83140(1X)

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

Batch 694659 (CO83136) CHEM18 8/28/2023-1

CO83136(1X)

All LCS recoveries were within 70 - 130 with the following exceptions: None.
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
The Low Level MS/MSD are not reported for this batch.
Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

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RCP Certification Report

September 13, 2023

SDG I.D.: GCO83124

VOA Narration

QC (Site Specific):

Batch 694659H (CO83136) CHEM18 8/28/2023-1

CO83136(50X), CO83140(50X)

All LCS recoveries were within 70 - 130 with the following exceptions: trans-1,4-dichloro-2-butene(137%)
All LCSD recoveries were within 70 - 130 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
All MS recoveries were within 70 - 130 with the following exceptions: None.
All MSD recoveries were within 70 - 130 with the following exceptions: None.
All MS/MSD RPDs were less than 30% with the following exceptions: None.
Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

Cooler: Yes ☑ No ☐
Coolant: IPK ☐ ICE ☑ No ☐

PHOENIX
Environmental Laboratories, Inc.

CT/MA/RI CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: makrina@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-1102

Temp 9.0 °C Pg of

Data Delivery/Contact Options:
☐ Fax:
☐ Phone:
☐ Email:

Customer: Honey Hill
Address:

Project: Honey Hill (C3-210)
Report to: Tim Myjak (Tmyjak@ekiconsult.com
Invoice to: EKI (accounting@ekiconsult.com)
Quote #

Project P.O: C3-210

This section MUST be completed with Bottle Quantities.

Sampler's Signature
Client Sample - Information - Identification
Date: 8/25/23

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	*MS/MSD (May be billable at analysis unit rate)	GL Amber 8 oz. [ ] w/H3PO4 [ ] methanol [ ] H2O	Soil VOA Vials [ ] w/H3PO4 [ ] NaHSO4	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 1250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 1250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
83124	TP-2(1-2)	Soil	8/25/23	9:10												2	
83125	TP-2(2-3)			9:15												3 2	
83126	TP-4 (1-2)			9:20												2	
83127	TP-4 (2-3)			9:25												2	
83128	TP-6 (1-2)			9:30												2	
83129	TP-6 (2-3)			9:35												3 2	
83130	TP-8 (1-2)			9:40												2	
83131	TP-8 (2-3)			9:45												2	
83132	TP-10(1-2)			9:50												2	
83133	TP-10 (2-3)			9:55												3 2	
83134	TP-12 (1-2)			10:00												2	
83135	TP-12 (2-3)			10:05												2	

Relinquished by:	Accepted by:	Date:	Time:
Matthias Ongeall	H. Coleman	08/25/23	13:15
H. Coleman	Emily Lord	8/25/23	13:43

Comments, Special Requirements or Regulations:
Hold all samples for 30 days

Turnaround Time:
☐ 1 Day* ☑ Standard
☐ 2 Days* ☐ Other
☐ 3 Days*
☐ 4 Days*
☐ 5 Days*

RI
☐ RES DEC
☐ I/C DEC
☐ GA Leachability
☐ GB Leachability
☐ GA -GW Objectives
☐ GB -GW Objectives
☐ Other

CT
☑ RCP Cert
☐ GWPC
☐ SWPC
☑ GA PMC
☐ GB PMC
☐ SWPC
☑ RES DEC
☐ I/C DEC

MA
☐ MCP Certification
☐ GW-1 ☐ RCS-1 / RCGW-1
☐ GW-2 ☐ RCS-2 / RCGW-2
☐ GW-3 ☐ _____
☐ S-1
☐ S-2
☐ S-3
☐ SW Protection

Data Format
☑ Excel
☑ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist*
☐ Full Data Package*
☐ Phoenix Std
☐ Other

***MS/MSD are considered site samples and will be billed as such in accordance with the prices quoted.**

*** SURCHARGES MAY APPLY**

State where samples were collected:

*** SURCHARGE APPLIES**

Form PEL126 Rev. 1/23

Cooler: Yes ☑ No ☐
Coolant: IPK ☐ ICE ☑ No ☐

PHOENIX
Environmental Laboratories, Inc.

CT/MA/RI CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: makrina@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-1102

Temp 4.0 °C Pg of

Data Delivery/Contact Options:
☐ Fax:
☐ Phone:
☐ Email:

Customer: Haley Hill
Address:

Project: Haley Hill
Report to: Tim Myjak (Tmyjak@ekiconsultants.com)
Invoice to: EKI (accounting@ekiconsultants.com)
Quote #

Project P.O: C3-210

This section MUST be completed with Bottle Quantities.

Sampler's Signature: [signature] Date: 8/25/23

Client Sample - Information - Identification

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	*MS/MSD (May be billable at analysis unit rate)	GL Amber 8 oz. [ ] w/H_3PO_4 [ ] $NAHSO_4$	Soil VOA Vials [ ] methanol [ ] H_2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H_2SO_4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H_2SO_4 [ ] 250ml [ ] 500ml	PL HNO_3 250ml	PL NaOH 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
83136	TP-13 (1-3)	Soil	8/25/23	10:10					3	2							
83137	TP-13 (4-5)			10:15					3	2							
83138	TP-14 (1-2)			10:20						2							
83139	TP-14 (2-3)			10:25						2							
83140	TP-15 (2-3)			10:30					3	2							
83141	TP-15 (4-5)			10:35					3	2							
83142	TP-16 (1-2)			10:40						2							
83143	TP-16 (2-3)			10:45						2							
83144	TP-17 (1-2)			10:50						2							
83145	TP-17 (2-3)			10:55					3	2							
83146	TP-18 (1-2)			11:00						2							
83147	TP-18 (2-3)			11:05						2							

Relinquished by:	Accepted by:	Date:	Time:
Mathias original. [signature]	H. Coleman	8/25/23	13:15
H. Coleman	Emily A	8/25/23	13:43

Comments, Special Requirements or Regulations:

Hold all samples for 30 days.

(KD) ~~Extra Received TP-15 (4-5)~~

***MS/MSD are considered site samples and will be billed as such in accordance with the prices quoted.**

Turnaround Time:
☐ 1 Day* ☑ Standard
☐ 2 Days* ☐ Other
☐ 3 Days*
☐ 4 Days*
☐ 5 Days*

*** SURCHARGES MAY APPLY**

RI
☐ RES DEC
☐ I/C DEC
☐ GA Leachability
☐ GB Leachability
☐ GA -GW Objectives
☐ GB -GW Objectives
☐ Other

CT
☑ RCP Cert
☐ GWPC
☐ SWPC
☑ GA PMC
☐ GB PMC
☐ SWPC
☑ RES DEC
☐ I/C DEC

MA
☐ MCP Certification
☐ GW-1 ☐ RCS-1 / RCGW-1
☐ GW-2 ☐ RCS-2 / RCGW-2
☐ GW-3
☐ S-1 ☐ _____
☐ S-2
☐ S-3
☐ SW Protection

State where samples were collected:

Data Format
☑ Excel
☑ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ Tier II Checklist*
☐ Full Data Package*
☐ Phoenix Std
☐ Other

*** SURCHARGE APPLIES**

Form PEL126 Rev. 1/23

Cooler: Yes ☑ No ☐
Coolant: IPK ☐ ICE ☑ No ☐

PHOENIX
Environmental Laboratories, Inc.

CT/MA/RI CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: makrina@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-1102

Temp 9.0 °C Pg of

Data Delivery/Contact Options:
☐ Fax:
☐ Phone:
☒ Email: tmyjak@ekiconsult.com

Customer: EKI Honey Hill
Address: 80 Eastern Blvd Ste 5
Glastonbury, CT 06033

Project: C30138 Honey Hill (C3-210)
Report to: Tim Myjak (Tmyjak@ekiconsult.com
Invoice to: EKI (accounting@ekiconsult.com)
Quote #

Project P.O: C3-210 C30138

This section MUST be completed with Bottle Quantities.

Sampler's Signature
Client Sample - Information - Identification
Date: 8/25/23

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	*MS/MSD (May be billable at analysis unit rate)	CTETPH	VOCs 8260	SVOCs 8270	CT RSR Metals (total)	Pesticides 8081	Herbicides 8151	PCBs Soxhlet 8082	GL Amber 8 oz. [ ] w/H3PO4 [ ] methanol [ ] NaHSO4 [ ] H2O	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle w/hio	Bacteria Bottle as is
83124	TP-2 (1-2)	Soil	8/25/23	9:10														2						
83125	TP-2 (2-3)			9:15													3	2						
83126	TP-4 (1-2)			9:20														2						
83127	TP-4 (2-3)			9:25														2						
83128	TP-6 (1-2)			9:30			X	X										2						
83129	TP-6 (2-3)			9:35													3	2						
83130	TP-8 (1-2)			9:40														2						
83131	TP-8 (2-3)			9:45														2						
83132	TP-10 (1-2)			9:50														2						
83133	TP-10 (2-3)			9:55													3	2						
83134	TP-12 (1-2)			10:00														2						
83135	TP-12 (2-3)			10:05														2						

Relinquished by:	Accepted by:	Date:	Time:
Matthias Ongaro	H. Coleman	08/25/23	13:15
H. Coleman	Emily Lee	8/25/23	13:43

Comments, Special Requirements or Regulations:
Hold all samples for 30 days

Turnaround Time:
☐ 1 Day* ☐ 2 Days* ☐ 3 Days* ☐ 4 Days* ☐ 5 Days*
☑ Standard ☐ Other _____

RI
☐ RES DEC ☐ I/C DEC ☐ GA Leachability ☐ GB Leachability ☐ GA -GW Objectives ☐ GB -GW Objectives ☐ Other

CT
☑ RCP Cert ☐ GWPC ☐ SWPC ☑ GA PMC ☐ GB PMC ☐ SWPC ☑ RES DEC ☐ I/C DEC

MA
☐ MCP Certification ☐ GW-1 ☐ GW-2 ☐ GW-3 ☐ S-1 ☐ S-2 ☐ S-3 ☐ SW Protection ☐ RCS-1 / RCGW-1 ☐ RCS-2 / RCGW-2 ☐ _____

Data Format
☑ Excel ☑ PDF ☐ GIS/Key ☐ EQuIS ☐ Other

Data Package
☐ Tier II Checklist* ☐ Full Data Package* ☐ Phoenix Std ☐ Other

***MS/MSD are considered site samples and will be billed as such in accordance with the prices quoted.**

*** SURCHARGES MAY APPLY**

State where samples were collected:

*** SURCHARGE APPLIES**

2023 08 28 Activations as noted Timothy O. Myjak

Form PEL126 Rev. 1/23

Cooler: Yes ☑ No ☐
Coolant: IPK ☐ ICE ☑ No ☐

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Temp 6.0 °C Pg of

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Address: 80 Eastern Blvd Ste 5
Glastonbury, CT 06033

Project: Honey Hill C30138
Report to: Tim Myjak (Tmyjak@ekiconsult.com)
Invoice to: EKI (accounting@ekiconsult.com)
Quote #

Project P.O: C3-210 C30138

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature: [signature] Date: 8/25/23

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
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PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	*MS/MSD (May be billable at analysis unit rate)	CTETPH	VOCs 8260	SVOCs 8270	CT RSR Metals (total)	Pesticides 8081	Herbicides 8151	PCBs Soxhlet 8082	GL Amber 8 oz. [ ] w/H3PO4 [ ] NaHSO4 [ ] H2O	Soil VOA Vials [ ] methanol [ ]	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
83136	TP-13 (2-3)	Soil	8/25/23	10:10		X	X	X	X	X	X	X					3	2						
83137	TP-13 (4-5)			10:15													3	2						
83138	TP-14 (1-2)			10:20				X	X									2						
83139	TP-14 (2-3)			10:25														2						
83140	TP-15 (2-3)			10:30		X	X	X	X	X	X	X					3	2						
83141	TP-15 (4-5)			10:35				X	X			X					3	2						
83142	TP-16 (1-2)			10:40														2						
83143	TP-16 (2-3)			10:45														2						
83144	TP-17 (1-2)			10:50														2						
83145	TP-17 (2-3)			10:55													3	2						
83146	TP-18 (1-2)			11:00														2						
83147	TP-18 (2-3)			11:05														2						

Relinquished by:	Accepted by:	Date:	Time:
Mathias Ordgen.	H. Coleman	8/25/23	13:15
H. Coleman	Emily A	8/25/23	1343

Comments, Special Requirements or Regulations:

Hold all samples for 30 days.

~~Extra Received TP-15 (4-5)~~

KD

***MS/MSD are considered site samples and will be billed as such in accordance with the prices quoted.**

Turnaround Time:
☐ 1 Day* ☐ 2 Days* ☐ 3 Days* ☐ 4 Days* ☐ 5 Days*
☑ Standard ☐ Other _____
* SURCHARGES MAY APPLY

RI
☐ RES DEC
☐ I/C DEC
☐ GA Leachability
☐ GB Leachability
☐ GA -GW Objectives
☐ GB -GW Objectives
☐ Other

CT
☑ RCP Cert
☐ GWPC
☐ SWPC
☑ GA PMC
☐ GB PMC
☐ SWPC
☑ RES DEC
☐ I/C DEC

MA
☐ MCP Certification
☐ GW-1 ☐ RCS-1 / RCGW-1
☐ GW-2 ☐ RCS-2 / RCGW-2
☐ GW-3 ☐ _____
☐ S-1
☐ S-2
☐ S-3
☐ SW Protection

State where samples were collected:

Data Format
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☐ GIS/Key
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☐ Other

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☐ Tier II Checklist*
☐ Full Data Package*
☐ Phoenix Std
☐ Other

* SURCHARGE APPLIES

Form PEL126 Rev. 1/23

2023 08 28 Activations as noted Timothy O. Myjak