



MOVE YOUR ENVIRONMENT FORWARD

TASK 210

SUBSURFACE SITE INVESTIGATION

REPLACEMENT OF RETAINING WALL ALONG ROUTE 44

PUTNAM, CONNECTICUT

Prepared For:

CT DOT
2800 Berlin Turnpike
Newington, CT 06111

Prepared By:

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CT DOT Assignment No. 422-6746
CT DOT Project No. 0115-0122
HRP #: CTD5017.21

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General Information

Project/Site Information:

Replacement of Retaining Wall Along Route 44
Putnam, CT

Client Information:

State of Connecticut
Department of Transportation
2800 Berlin Turnpike
Newington, CT 06131

Consultant Information:

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CT DOT Project No. 0115-0122

Report Date: 10/13/2025



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1.0 INTRODUCTION

On behalf of the Connecticut Department of Transportation (CT DOT), HRP Associates, Inc. (HRP) has completed a Task 210 (Subsurface Site Investigation) in association with the proposed Retaining Wall Replacement along Route 44 in Putnam, Connecticut (hereafter referred to as the "Site"). The attached Figure 1 depicts the site location topographically.

The objective of the 210 investigation was to establish a general understanding of subsurface soil conditions as they relate to reusability and RCS-1/RCS-2 disposal facility options for surplus soils created during the Project.

2.0 SITE DESCRIPTION AND HISTORY

CT DOT is currently planning the replacement of retaining wall along Route 44 in Putnam, Connecticut. The purpose of the project is to replace a section of the retaining wall that supports Route 44 to ensure the safety of the traveling public. The existing stone retaining wall has shown visual signs of deterioration. The project will also consist of improvements to Route 44 including approximately 500 feet of full-depth reconstruction adjacent to the retaining wall. Approximately 1,400 feet of sidewalk will also be reconstructed to extend beyond the roadway construction limits.

This Task 210 Work Plan covers soil sampling within the proposed construction limits associated with the project. The general site plan layout and planned site improvements are shown on Figure 2.

No prior environmental investigations are known to have been conducted within the proposed construction project limits.

3.0 LOCAL ENVIRONMENT AND RECEPTORS

3.1 Geology

Surficial geology of the site is mapped as Sand and Gravel (Surficial Materials Map of Connecticut by Stone, Schafer, London and Thompson, 2005 accessed via The University of Connecticut's Connecticut Environmental Conditions Online, www.cteco.uconn.edu).

Bedrock beneath the site is mapped as Tatnic Hill Formation, which is defined as: *"gray to dark gray, medium-grained gneiss or schist"* (Bedrock Geological Map of Connecticut by John Rodgers, 1985).

Direct evidence of bedrock was encountered during Task 210 activities.

3.2 Hydrogeology

The groundwater classification for the site is mapped as "GB". A "GB" groundwater classification is defined as follows:

Groundwater within a historically highly urbanized area or an area of intense industrial activity and where public water supply service is typically available. Such groundwater may not be suitable for human consumption without treatment due to waste discharges, spills or leaks of chemicals or land use impacts.

It is noted that groundwater was not encountered during the Task 210 investigation.

The Quinebaug River is located east and adjacent of the site. The Quinebaug River is mapped as Class "B". Class "B" surface water bodies are described as follows:

"Surface water is known or presumed to meet Water Quality Criteria which support designated uses, which may include industrial process water and cooling waters and baseflow for hydraulically-connected water bodies and is presumed not suitable for human consumption without treatment. Class "B" surface water body designated uses include:

- Recreational use;
- Fish and wildlife habitat;
- Agricultural and industrial supply; and
- Other legitimate uses including navigation.

Discharges are restricted to:

- Discharges from public or private drinking water treatment systems;
- Dredging and dewatering;
- Emergency and clean water discharges;
- Cooling waters;
- Discharges from industrial and municipal wastewater treatment facilities (providing Best Available Treatment and Best Management Practices are applied); and
- Other discharges subject to the provisions of the Statute."

3.3 Aquifer Protection Area

Based on the CTDEEP online Aquifer Protection Area Map (accessed via The University of Connecticut's Connecticut Environmental Conditions Online, www.cteco.uconn.edu), the site is not located within an Aquifer Protection Area (APA).

4.0 PRELIMINARY ACTIVITIES

4.1 Health and Safety Plan (HASP) Preparation

HRP developed a project-specific health and Safety Plan (HASP) for the Task 210. The HASP addresses the health and safety practices employed by HRP staff and subcontractors participating in the installation of soil borings and monitoring wells at the site. The HASP was developed in accordance with HRP's Corporate Safety and Health Program as required under OSHA's Hazardous Waste Operations Standard (29 CFR 1910.120). The HASP was developed to establish minimum standards for project oversight and environmental sampling activities to protect the health and safety of HRP personnel and HRP's subcontractors. HRP site personnel have received the required level of training and field experience as required under subpart (e) of the Standard and have received medical examinations in accordance with HRP's medical surveillance program as required under subpart (f) of the Standard. On-site HRP personnel and subcontractors were required to review and sign the HASP prior to field work commencement.

4.2 Sample Location Marking and Utility Clearance

Prior to the commencement of drilling activities, HRP personnel marked out the proposed soil boring locations. Connecticut Call Before You Dig Services (CBYD) was contacted to arrange for a mark-out of public utility lines (CBYD Ticket #20253100383). As an additional precaution, CorBuilt, LLC of Waterford, Connecticut was contracted to clear proposed soil boring locations using ground penetrating radar (GPR) and electromagnetic induction (EMI) technologies.

Each boring location was approved prior to its installation.

4.3 Workplan Deviations

There were no work plan deviations during the Task 210 investigation from the approved Task 210 Work Plan.

5.0 SOIL INVESTIGATION METHODS

5.1 Geoprobe® Soil Boring Installation and Sample Collection

A total of eight (8) Geoprobe® soil borings (SB-1 through SB-8) were installed on August 5th, 2025. Drilling work was performed by Complete Environmental Services, LLC of Bethany, Connecticut (CES) under HRP supervision using a Geoprobe® 7822 direct-push drill rig. Soil borings were completed by advancing a 5-foot long stainless steel Macro-Core® sampling tube equipped with disposable acetate liners. Final depths ranged from approximately five (5) to fifteen (15) feet below grade (fbg). All soil borings were backfilled upon completion of sampling using residual cuttings and finished with asphalt patch.

Soil samples were collected in a continuous fashion from each boring as part of this investigation and were visually inspected for evidence of contamination (e.g., color, sheen, etc.). Any staining or unusual odors observed from the samples were recorded on the appropriate boring log. Copies of boring logs are included as Appendix A.

All soil samples were also field-screened for volatile organic compounds (VOCs) using a PID in accordance with HRP Standard Operating Procedures (SOPs). A small portion of each sample was placed into a sealable plastic bag and allowed to equilibrate with the surrounding temperature. The bag's headspace was then screened and the results were recorded on the associated boring log. Only minimal PID readings were observed during field screening activities.

Laboratory submittal samples were chosen based on anticipated construction project disturbance depths with consideration given to modify based on notable field observations. A total of sixteen (16) soil samples were collected and submitted for laboratory analysis in the following format:

- A grab sample was collected at each soil boring location at shallow depths (~1-3 fbg);
- Additional grab soil samples were collected at increasing depths (~4-6 fbg, and ~8-10 fbg) at locations SB-1 thru SB-4.
- A total of three (3) composite soil samples were collected to provide a preliminary waste characterization evaluation. COMP-1 was collected from the SB-1 to SB-4 boring group representing soils to 6 fbg, COMP-2 was collected from the SB-1 to SB-4 boring group representing soils greater than 6 feet in depth, and COMP-3 was collected from the SB-5 to SB-8 boring group representing soils to 5 fbg.

Soil samples were placed in laboratory-provided and preserved glassware and stored on ice in coolers prior to receipt by the lab. All samples were submitted under proper chain-of-custody to Phoenix Environmental Laboratories, of Manchester, Connecticut (Phoenix), a CT-certified laboratory. The sixteen (16) grab samples were analyzed for the following:

- VOCs via EPA Method 8260;
- Semi-Volatile Organic Compounds (SVOCs) via EPA Method 8270;
- Extractable Total Petroleum Hydrocarbons (ETPH) via CT ETPH Methodology;
- Chlorinated Pesticides via EPA Method 8081;
- Chlorinated Herbicides via EPA Method 8151;

- Poly-chlorinated biphenyls (PCBs) via EPA Method 8082;
- MCP 14 Metals + copper, via EPA Method 6010/7471; and
- MCP 14 Metals + copper via Synthetic Precipitation Leaching Procedure (SPLP) (methodology varies by metal)

The three (3) composite samples were analyzed for the above-listed parameters as well as the following:

- Trivalent chromium, hexavalent chromium via EPA Method 6010/7471;
- MCP 14 metals + copper via Toxicity Characteristic Leaching Procedure (TCLP) (methodology varies by metal);
- Polycyclic Aromatic Hydrocarbons (PAHs) via Synthetic Precipitation Leaching Procedure (SPLP) Method SW8270E;
- Conductivity and Paint Filter test;
- Ignitability via EPA Method 1010;
- Corrosivity (pH) via EPA Method 6040; and
- Reactivity (sulfide/cyanide) via SW846

Field sampling protocols were performed in accordance with HRP's Standard Operating Procedures (SOPs) and "*Connecticut Department of Environmental Protection (CTDEP) Guidance for Collecting and Preserving Soil and Sediment Samples for Laboratory Determination of Volatile Organic Compounds*" dated March 1, 2006.

6.0 LABORATORY DATA RESULTS

6.1 Analytical Evaluation Criteria

Soil

Soil sample analytical results were compared to the RCS-1 and RCS-2 acceptance criteria for approved disposal facilities under Policy #COMM-15-01 (MassDEP Interim Policy on the Re-Use of Soil for Large Reclamation Projects). These criteria were used to evaluate how surplus soils might be handled during the Project and what level of reuse/disposal management could be required in relation to the Department's costs.

6.2 Data Evaluation

6.2.1 Soil Sample Analytical Results

Data from soil samples collected during the Task 210 investigation are presented in Table 1 and Table 2, and the laboratory analytical reports are provided in Appendix B. A summary of laboratory detections is provided as follows:

VOCs

VOCs were not detected above the minimum laboratory reporting limits in any of the samples submitted for analysis.

SVOCs

Minor concentrations of select SVOCs were detected below RCS-1 criteria in samples SB-7 (1.5-3'), SB-8 (1.5-3'), and COMP-1. SVOCs were not detected above the minimum laboratory reporting limits in any other sample submitted for analysis.

Leachable SVOCs were not detected above laboratory reporting limits in any of the composite samples.

ETPH

Minor concentrations of ETPH were detected below RCS-1 criteria in samples SB-3 (5-6.5') and SB-8 (1.5-3'). ETPH was not detected above the minimum laboratory reporting limits in any other sample submitted for analysis.

MCP-14 Metals

Select total MCP-14 metals were reported in each of the analyzed soil samples at concentrations below RCS-1 criteria.

Minor concentrations of select SPLP MCP-14 metals were detected in the majority of analyzed samples [SB-1 (1.5-3'), SB-2 (1-3'), SB-2 (5-6.5'), SB-2 (8-10'), SB-3 (1.5-3'), SB-4 (1.5-3'), SB-5 (1-3'), SB-7 (1.5-3'), SB-8 (1.5-3'), COMP-1, and COMP-3].

Additionally, minor concentrations of select TCLP MCP-14 metals were detected in each of the three (3) composite soil samples below RCS-1 criteria.

PCBs

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

Pesticides

Total pesticides were not detected above the laboratory reporting limits in any of the soil samples submitted for analysis.

Herbicides

Total herbicides were not detected above the laboratory reporting limits in any of the soil samples submitted for analysis.

Waste Characterization Parameters

pH was reported above RCS-1 criteria in grab samples SB-1 (1.5-3'), SB-2 (8-10'), SB-3 (5-6.5') as well as composite samples COMP-1 and COMP-2. All other parameters were reported below RCS-1/disposal criteria for all three (3) composite samples submitted for laboratory analysis.

VOC field screening of soil samples resulted in all readings registering below 0.2 ppm.

6.2.2 Quality Assurance/Quality Control (QA/QC)

Quality assurance and quality control (QA/QC) samples were used during sampling activities to assess potential data interference from storage techniques. Trip blank samples were used for QA/QC purposes. The trip blanks included both a low- and high-level sample for VOCs in soil. The trip blanks were used to assess proper handling/storage techniques and were analyzed for VOCs. All sampling equipment was either dedicated to a specific sample or decontaminated between each use.

The trip blanks were laboratory prepared prior to job commencement and were stored with the daily samples until subsequent delivery to the laboratory.

All samples collected in the field were handled in a manner that preserved the integrity of their chemistry and placed in an ice-filled cooler immediately following collection until delivery to the laboratory. Chain-of-Custody (COC) forms were completed and accompanied the sample group as a legal record of possession. HRP requested all analyses to be performed under the Connecticut

Reasonable Confidence Protocols (RCP). The RCP are established protocols that analytical laboratories must follow to assure acceptable data quality.

QA/QC Results

HRP reviewed the data results and QA/QC documentation including the lab report case narratives and no concerning issues were noted. There were no contaminants of concern detected in the either of the soil trip blanks. In summary, HRP did not note any issues or discrepancies and determined that the data results are suitable for their intended purpose.

7.0 CONCLUSIONS AND RECOMMENDATIONS

HRP completed a Task 210 (Subsurface Site Investigation) on behalf of the CT DOT in association with the proposed Replacement of Retaining Wall along Route 44 in Putnam, Connecticut. The objective of the 210 investigation was to establish a general understanding of subsurface soil conditions and how surplus soils might be handled during the Project with respect to what level of reuse/disposal management could be considered.

Based on the data presented in this report, HRP has made the following conclusions and recommendations:

- The project site was found to be relatively free from soil contamination. There were zero detections of VOCs, PCBs, pesticides, or herbicides in any of the laboratory-analyzed soil samples.
- A limited number of SVOC and ETPH detections were found within the project limits but do not appear to be a significant concern. Also, total metals concentrations appear to be consistent with general background levels. There were zero reported concentrations of these parameters in exceedance of RCS-1 criteria.
- Elevated pH detections were reported in three (3) of the four (4) soil borings installed along the top side of the retaining wall. Composite soil sample results from this area reflected the same result. While not a principal contaminant of concern, these elevated pH numbers exceed both RCS-1 and RCS-2 disposal criteria and could affect disposal facility selection options should surplus soils be generated from this area.
- Groundwater was not encountered during the investigation and is not anticipated to be encountered during construction activities.
- Although pollutant impacts were found to be minimal, the identified limited impacts yield a requirement that any surplus soils generated from the project be managed with special handling and reuse/disposal practices.
- HRP recommends that a Task 310 – Plans, Specifications, and Estimates be completed to properly manage contaminated materials during construction activities. Management activities would include removal, handling, transportation, reuse, and/or proper disposal of the contaminated materials. Additionally, the Task 310 establishes appropriate Health and Safety protocols for construction workers performing activities related to addressing the contaminated materials.

8.0 LIMITATIONS

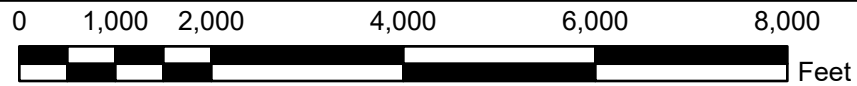
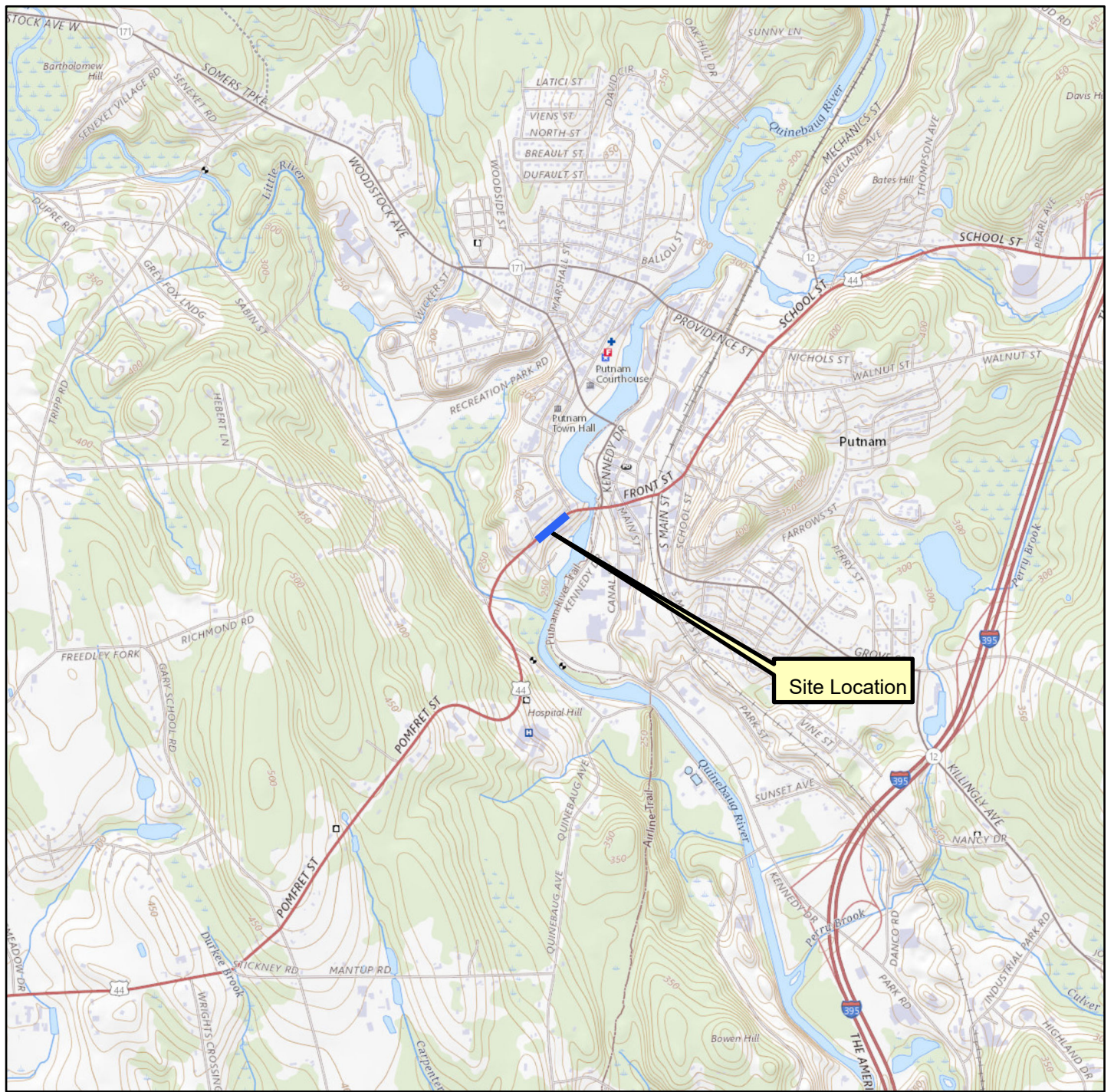
All work product and reports provided by HRP in connection with the performance of any phase of Task 210 (Subsurface Site Investigation), including all work performed under HRP's Terms & Conditions and any follow-up work is subject to the following limitations.

1. The observations described in the Project Report(s) are made under the stated conditions. The conclusions presented in the Report(s) are based solely upon the indicated services, and not on scientific tasks or procedures beyond the scope of described services or the time and budgetary constraints imposed by the Client.
2. In preparing Project Reports, HRP relies on certain representations made and information provided by federal, state and local officials, the Client and other parties referenced in the Project Reports, and on information contained in the files of federal, state and/or local agencies made available to HRP, at the time of the Project. To the extent that such information and files are missing, incomplete or not provided to HRP, HRP is not responsible. Although there may be some degree of overlap in the information provided by these various sources, HRP does not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of the Project. If the Client determines that information provided or made available to HRP from any source is incorrect or inaccurate, the Client should promptly notify HRP, whereupon HRP will issue a corrected Project Report.
3. Observations are made of the site and of structures on the site as indicated within the Project Report(s). Where access to portions of the site or to structures on the site is unavailable or limited, HRP renders no opinion as to the presence of potential contamination by hazardous substances, wastes or petroleum and chemical products and wastes. In addition, HRP renders no opinion as to the presence of indirect evidence relating to potential contamination by hazardous substances, wastes or petroleum and chemical products or wastes where direct observation of the interior walls, floors, or ceilings of a structure on a site is obstructed by objects or coverings on or over these surfaces.
4. Unless otherwise specified in the Project Report(s), HRP does not perform testing or analyses to determine the presence or concentration of asbestos or polychlorinated biphenyls (PCBs), lead paint, urea formaldehyde foam insulation (UFFI), wetlands, regulatory compliance, cultural and historical risks, industrial hygiene, health & safety, ecological resources, endangered species, indoor air quality, high voltage power lines, or radon at the site or in the environment of the site.
5. The purpose of the Project Report(s) is to assess the physical characteristics of the subject site with respect to the potential presence in the site soil, ground water or surface water environment of contamination by hazardous substances, hazardous waste or petroleum and chemical products and wastes. HRP has not confirmed the compliance of present or past owners or operators of the site with federal, state, or local laws and regulations, environmental or otherwise.
6. If sampling is included in the scope of the Project, the conclusions and recommendations contained in the Project Report(s) are based in part upon the data obtained from a limited

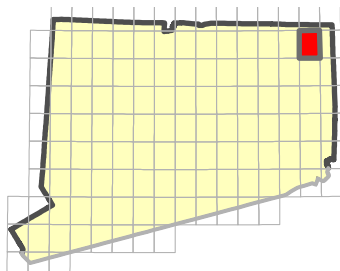
number of soil, ground water, or surface water samples obtained from widely spaced surface or subsurface explorations. The nature and extent of variations between these locations may not become evident until further exploration. If variations or other latent conditions then appear evident, it will be necessary to re-evaluate the conclusions and recommendations of the Project Report(s).

7. If water level readings are made in borings, and/or observation wells; these observations are made at the times and under the conditions stated on the test pit or boring logs or in the Project Report(s). However, it must be noted that fluctuations in the level of ground water may occur due to variations in rainfall, passage of time and other factors. Should additional data become available in the future, these data may alter the basis of conclusions and recommendations presented in the Project Report(s).
8. If the conclusions and recommendations contained in the Project Report(s) are based, in part, upon various types of chemical analyses, then the conclusions and recommendations are contingent upon the validity of such data. The analyses are performed for specific parameters and additional chemical constituents not searched for during the current study may be present in soil, ground water, or surface water at the site. Where such analyses have been conducted by an outside laboratory, HRP has relied upon the data provided, and has not conducted an independent evaluation of the reliability of these tests. The data (if obtained) are reviewed and interpretations made in the Project Report(s). If indicated within the Project Report(s), some of these data may be preliminary "screening" level data and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, these data may alter the basis of the conclusions and recommendations presented in the Project Report(s).
9. The services provided by HRP do not include legal advice. Legal counsel should be consulted regarding interpretation of relevant federal, state and local laws

FIGURES



1:24,000



USGS Quadrangle Information
Quad ID: 41072-G6
Quad Name: Putnam, Connecticut

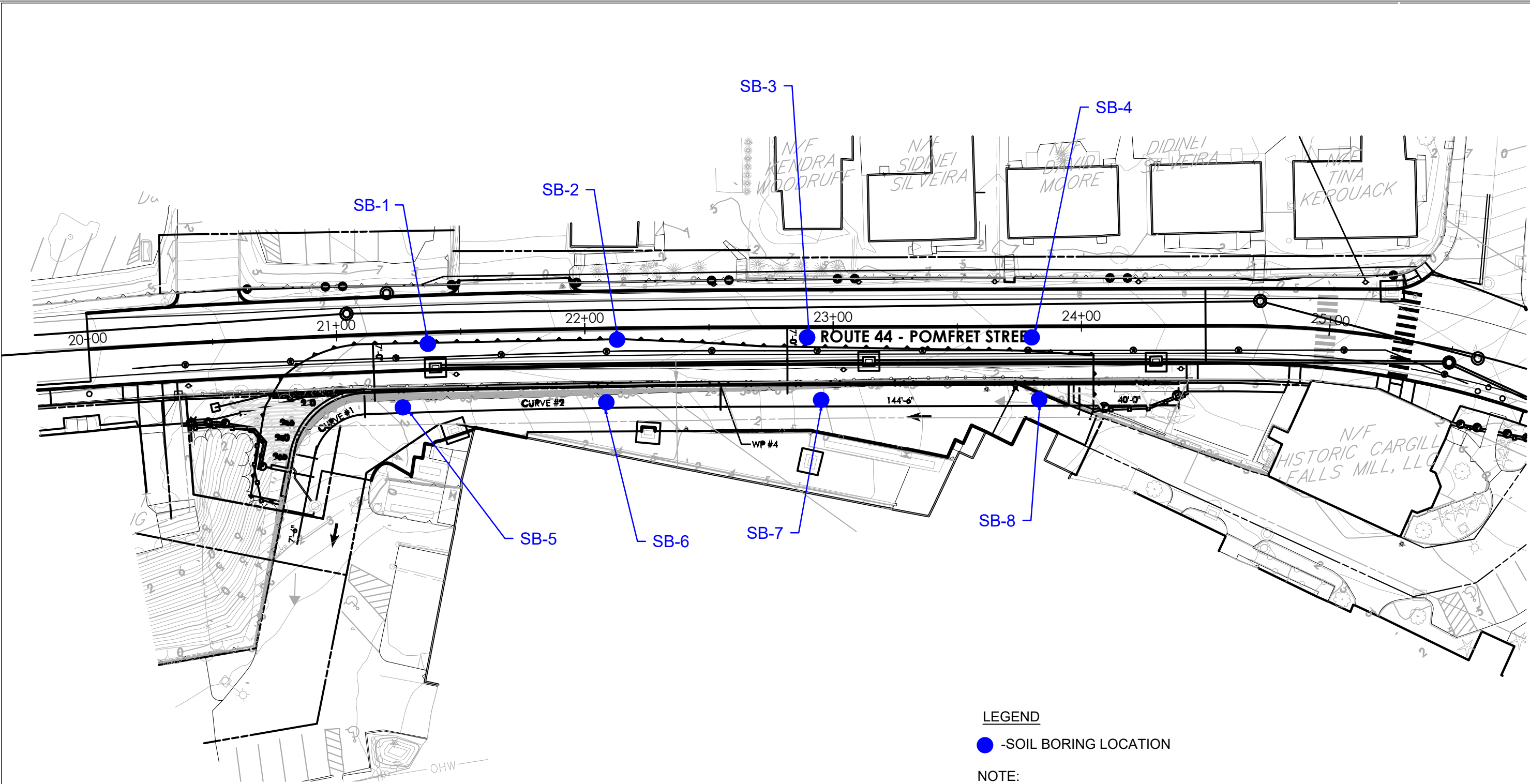
Figure 1
Site Location
Route 44
Putnam, Connecticut
HRP # CTD5017.21
Scale 1" = 2,000'



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DRAWING NAME: V:\Data\C\CONND - CONNECTICUT DEPARTMENT OF TRANSPORTATION\PUTNAM - PUTNAM REPLACEMENT OF RETAINING WALL ALONG ROUTE 44\Figures\Site Plan with Soil Boring Locations.dwg
LAYOUT: 11 x 17 - BOTTOM TITLE - SSM PLOT DATE: Aug 14, 2025 - 1:58pm OPERATOR: BOB



LEGEND

● -SOIL BORING LOCATION

NOTE:
THREE (3) COMPOSITE SOIL SAMPLES WERE COLLECTED:
COMP-1 COLLECTED FROM SB-1 THRU SB-4 (0-6')
COMP-2 COLLECTED FROM SB-1 THRU SB-4 (> 6')
COMP-3 COLLECTED FROM SB-5 THRU SB-8 (0-5')



197 SCOTT SWAMP ROAD
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0 20' 40'

REVISIONS

NO.	DATE

DESIGNED BY:

SK

REVIEWED BY:

WAS

ISSUE DATE:

08/14/2025

DRAWN BY:

BOB

PROJECT NUMBER:

CTD5017.21

SHEET SIZE:

11"x17"

SITE PLAN WITH
SOIL BORING LOCATIONS

REPLACEMENT OF RETAINING WALL
ALONG ROUTE 44
PUTNAM, CONNECTICUT

FIGURE NO.

2

TABLES

Table 1
SUMMARY OF SOIL ANALYTICAL RESULTS (GRAB SAMPLES)
ROUTE 44 , PUTNAM, CT
HRP# CTD5017.21

Lab Reportno.:				GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027
ID:				SB-1 (1.5-3')	SB-1 (5-6')	SB-1 (9-10')	SB-2 (1-3')	SB-2 (5-6.5')	SB-2 (8-10')	SB-3 (1.5-3')	SB-3 (5-6.5')	SB-3 (8.5-10')	SB-4 (1.5-3')	SB-4 (5-6.5')	SB-4 (8-10')	SB-5 (1-3')	SB-6 (1-3')	SB-7 (1.5-3')	SB-8 (1.5-3')
Date Collected:				8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025
	Unit	RCS-1 ACCEPTANCE CRITERIA	RCS-2 ACCEPTANCE CRITERIA																
GenChem																			
Oxidation/Reduction Potential	mV			235	294	303	276	289	156	210	187	217	249	262	262	243	276	270	255
pH	pH Units	5-9	5-9	9.75	7.04	6.80	8.15	7.23	10.4	8.80	9.06	8.36	8.59	7.87	7.84	7.80	7.32	7.51	8.47
solids (percent)	%			95	95	96	96	91	93	93	96	94	96	93	93	92	90	91	88
Herb																			
2,4,5-T	ug/kg	10000	100000	< 26	< 26	< 26	< 25	< 27	< 27	< 27	< 25	< 26	< 25	< 26	< 26	< 26	< 27	< 27	< 28
2,4,5-TP	ug/kg	10000	100000	< 26	< 26	< 26	< 25	< 27	< 27	< 27	< 25	< 26	< 25	< 26	< 26	< 26	< 27	< 27	< 28
2,4-D	ug/kg	10000	100000	< 26	< 26	< 26	< 25	< 27	< 27	< 27	< 25	< 26	< 25	< 26	< 26	< 26	< 27	< 27	< 28
2,4-DB	ug/kg	10000	100000	< 26	< 26	< 26	< 25	< 27	< 27	< 27	< 25	< 26	< 25	< 26	< 26	< 26	< 27	< 27	< 28
Dalapon	ug/kg	100000	1000000	< 26	< 26	< 26	< 25	< 27	< 27	< 27	< 25	< 26	< 25	< 26	< 26	< 26	< 27	< 27	< 28
Dicamba	ug/kg	50000	500000	< 26	< 26	< 26	< 25	< 27	< 27	< 27	< 25	< 26	< 25	< 26	< 26	< 26	< 27	< 27	< 28
Dichloroprop	ug/kg			< 26	< 26	< 26	< 25	< 27	< 27	< 27	< 25	< 26	< 25	< 26	< 26	< 26	< 27	< 27	< 28
Dinoseb	ug/kg	50000	500000	< 26	< 26	< 26	< 25	< 27	< 27	< 27	< 25	< 26	< 25	< 26	< 26	< 26	< 27	< 27	< 28
MCPA	ug/kg	10000	100000	< 3300	< 3300	< 3300	< 3300	< 3300	< 3300	< 3300	< 3300	< 3300	< 3300	< 3300	< 3300	< 3300	< 3300	< 3300	< 3300
MCPP	ug/kg			< 3300	< 3300	< 3300	< 3300	< 3300	< 3300	< 3300	< 3300	< 3300	< 3300	< 3300	< 3300	< 3300	< 3300	< 3300	< 3300
Metals																			
Antimony	mg/kg	10	10	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Arsenic	mg/kg	20	20	4.87	4.79	4.34	5.17	7.38	5.27	7.38	2.45	2.53	3.32	4.46	3.21	6.85	2.47	7.08	4.46
Barium	mg/kg	375	375	29.0	34.4	27.4	30.9	35.1	50.1	35.3	53.9	52.1	32.2	34.8	48.9	43.7	43.6	126	47.2
Beryllium	mg/kg	4	4	< 0.28	0.35	< 0.25	< 0.30	< 0.29	0.28	0.31	< 0.27	< 0.29	< 0.26	0.30	0.28	< 0.27	< 0.30	0.51	0.28
Cadmium	mg/kg	20	20	< 0.35	< 0.36	< 0.31	< 0.37	< 0.36	< 0.35	< 0.34	< 0.34	< 0.36	< 0.33	< 0.32	< 0.34	< 0.34	< 0.37	< 0.37	< 0.36
Chromium	mg/kg	100	200	14.8	16.4	14.3	21.0	17.9	27.5	19.2	25.0	19.5	14.3	18.9	21.8	21.0	18.0	61.6	24.2
Chromium, Hexavalent	mg/kg			< 0.38	< 0.39	< 0.38	< 0.38	< 0.41	< 0.38	< 0.39	< 0.40	< 0.40	< 0.39	< 0.40	< 0.40	< 0.40	< 0.39	0.85	< 0.40
Chromium, Trivalent	mg/kg			14.8	16.4	14.3	21.0	17.9	27.5	19.2	25.0	19.5	14.3	18.9	21.8	21.0	18.0	60.75	24.2
Copper	mg/kg			7.3	14.2	7.7	7.5	5.6	15.4	11.6	13.2	8.6	8.6	7.6	10.5	12.1	7.8	27.9	21.7
Lead	mg/kg	200	500	11.9	10.5	9.35	2.74	2.35	6.13	13.0	5.20	2.61	9.61	2.80	3.20	6.16	2.64	125	46.6
Mercury	mg/kg	3	3	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Nickel	mg/kg	150	150	9.24	13.7	9.08	15.1	10.0	20.6	12.6	15.8	11.2	9.54	11.2	13.4	11.9	10.4	17.9	14.1
Selenium	mg/kg	5	5	< 1.4	< 1.4	< 1.3	< 1.5	< 1.4	< 1.4	< 1.3	< 1.4	< 1.5	< 1.3	< 1.3	< 1.4	< 1.3	< 1.5	< 1.5	< 1.4
Silver	mg/kg	6	6	< 0.35	< 0.36	< 0.31	< 0.37	< 0.36	< 0.35	< 0.34	< 0.34	< 0.36	< 0.33	< 0.32	< 0.34	< 0.34	< 0.37	< 0.37	< 0.36
Thallium	mg/kg	6	6	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Vanadium	mg/kg	225	225	14.8	17.5	14.8	18.6	13.4	23.5	18.3	26.3	21.4	17.6	16.5	22.9	19.5	18.4	22.6	25.2
Zinc	mg/kg	500	500	18.9	22.7	15.8	19.9	13.3	27.1	27.7	30.3	21.2	21.2	17.2	23.6	20.9	19.4	74.7	121
Metals - SPLP																			
Antimony	mg/l			< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Arsenic	mg/l			0.021	< 0.004	< 0.004	0.007	0.005	0.006	0.008	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	0.006	< 0.004	0.006	0.009
Barium	mg/l			0.033	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.020	< 0.010	0.012	< 0.010
Beryllium	mg/l			< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/l			< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Chromium	mg/l			< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.013	< 0.010
Chromium, Hexavalent	mg/l			< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Chromium, Trivalent	mg/l			< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	0.013	< 0.010
Copper	mg/l			0.013	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	<		

Table 1
SUMMARY OF SOIL ANALYTICAL RESULTS (GRAB SAMPLES)
ROUTE 44 , PUTNAM, CT
HRP# CTD5017.21

Lab Reportno.:				GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027
ID:				SB-1 (1.5-3')	SB-1 (5-6')	SB-1 (9-10')	SB-2 (1-3')	SB-2 (5-6.5')	SB-2 (8-10')	SB-3 (1.5-3')	SB-3 (5-6.5')	SB-3 (8.5-10')	SB-4 (1.5-3')	SB-4 (5-6.5')	SB-4 (8-10')	SB-5 (1-3')	SB-6 (1-3')	SB-7 (1.5-3')
Date Collected:				8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025
	Unit	RCS-1 ACCEPTANCE CRITERIA	RCS-2 ACCEPTANCE CRITERIA															
Endrin	ug/kg	1000	2000	< 7.0	< 6.8	< 6.9	< 6.8	< 7.2	< 7.1	< 7.0	< 6.8	< 7.0	< 6.8	< 7.0	< 7.1	< 7.1	< 7.4	< 7.2
Endrin Aldehyde	ug/kg	1000	10000	< 7.0	< 6.8	< 6.9	< 6.8	< 7.2	< 7.1	< 7.0	< 6.8	< 7.0	< 6.8	< 7.0	< 7.1	< 7.1	< 7.4	< 7.2
Endrin ketone	ug/kg			< 7.0	< 6.8	< 6.9	< 6.8	< 7.2	< 7.1	< 7.0	< 6.8	< 7.0	< 6.8	< 7.0	< 7.1	< 7.1	< 7.4	< 7.2
gamma-BHC (Lindane)	ug/kg	0.3	50	< 0.28	< 0.27	< 0.28	< 0.27	< 0.29	< 0.28	< 0.28	< 0.27	< 0.28	< 0.27	< 0.28	< 0.28	< 0.28	< 0.30	< 0.29
Heptachlor	ug/kg	30	200	< 7.0	< 6.8	< 6.9	< 6.8	< 7.2	< 7.1	< 7.0	< 6.8	< 7.0	< 6.8	< 7.0	< 7.1	< 7.1	< 7.4	< 7.2
Heptachlor Epoxide	ug/kg	10	90	< 7.0	< 6.8	< 6.9	< 6.8	< 7.2	< 7.1	< 7.0	< 6.8	< 7.0	< 6.8	< 7.0	< 7.1	< 7.1	< 7.4	< 7.2
Methoxychlor	ug/kg	20000	40000	< 35	< 34	< 34	< 34	< 36	< 36	< 35	< 34	< 35	< 34	< 35	< 35	< 36	< 37	< 36
Toxaphene	ug/kg	1000	10000	< 140	< 140	< 140	< 140	< 140	< 140	< 140	< 140	< 140	< 140	< 140	< 140	< 140	< 150	< 140
SVOCs																		
1,1'-Biphenyl	ug/kg	5	600	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50
1,2,4,5-Tetrachlorobenzene	ug/kg	100000	100000	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
1,2,4-Trichlorobenzene	ug/kg	200	200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
1,2-Dichlorobenzene	ug/kg	900	900	< 240	< 240	< 240	< 240	< 250	< 240	< 240	< 240	< 250	< 240	< 250	< 240	< 250	< 260	< 250
1,2-Diphenylhydrazine	ug/kg	5000	50000	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
1,3-Dichlorobenzene	ug/kg	300	300	< 240	< 240	< 240	< 240	< 250	< 240	< 240	< 240	< 250	< 240	< 250	< 240	< 250	< 260	< 250
1,4-Dichlorobenzene	ug/kg	70	70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70
2,4,5-Trichlorophenol	ug/kg	400	60000	< 240	< 240	< 240	< 240	< 250	< 240	< 240	< 240	< 250	< 240	< 250	< 240	< 250	< 260	< 250
2,4,6-Trichlorophenol	ug/kg	70	2000	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70
2,4-Dichlorophenol	ug/kg	70	4000	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70
2,4-Dimethylphenol	ug/kg	70	10000	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70
2,4-Dinitrophenol	ug/kg	300	5000	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300
2,4-Dinitrotoluene	ug/kg	70	1000	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70
2,6-Dinitrotoluene	ug/kg	10000	100000	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200	< 200
2-Chloronaphthalene	ug/kg	100000	100000	< 240	< 240	< 240	< 240	< 250	< 240	< 240	< 240	< 250	< 240	< 250	< 240	< 250	< 260	< 250
2-Chlorophenol	ug/kg	70	100000	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70
2-Methyl-4,6-dinitrophenol	ug/kg	5000	50000	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300
2-Methylnaphthalene	ug/kg	700	5000	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70	< 70
2-Nitroaniline	ug/kg			< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300
2-Nitrophenol	ug/kg	10000	100000	< 240	< 240	< 240	< 240	< 250	< 240	< 240	< 240	< 250	< 240	< 250	< 240	< 250	< 260	< 250
3,3'-Dichlorobenzidine	ug/kg	300	2000	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
3+4-Methylphenols	ug/kg	50000	100000	< 340	< 350	< 340	< 340	< 360	< 350	< 350	< 340	< 350	< 340	< 350	< 350	< 360	< 370	< 360
3-Nitroaniline	ug/kg			< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
4-Bromophenylphenyl ether	ug/kg	10000	100000	< 340	< 350	< 340	< 340	< 360	< 350	< 350	< 340	< 350	< 340	< 350	< 350	< 360	< 370	< 360
4-Chloro-3-methylphenol	ug/kg	100000	100000	< 240	< 240	< 240	< 240	< 250	< 240	< 240	< 240	< 250	< 240	< 250	< 240	< 250	< 260	< 250
4-Chloroaniline	ug/kg	100	300	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
4-Chlorophenyl phenylether	ug/kg	100000	100000	< 240	< 240	< 240	< 240	< 250	< 240	< 240	< 240	< 250	< 240	< 250	< 240	< 250	< 260	< 250
4-Nitroaniline	ug/kg	100000	100000	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300	< 300		

Lab Reportno.:				GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027	GCT92027
ID:				SB-1 (1.5-3')	SB-1 (5-6')	SB-1 (9-10')	SB-2 (1-3')	SB-2 (5-6.5')	SB-2 (8-10')	SB-3 (1.5-3')	SB-3 (5-6.5')	SB-3 (8.5-10')	SB-4 (1.5-3')	SB-4 (5-6.5')	SB-4 (8-10')	SB-5 (1-3')	SB-6 (1-3')	SB-7 (1.5-3')	SB-8 (1.5-3')
Date Collected:				8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025	8/5/2025
	Unit	RCS-1 ACCEPTANCE CRITERIA	RCS-2 ACCEPTANCE CRITERIA																
Toluene	ug/kg	3000	3000	< 5.3	< 5.5	< 5.0	< 5.8	< 6.3	< 5.6	< 5.2	< 6.1	< 5.4	< 5.2	< 6.0	< 6.3	< 6.4	< 6.3	< 6.2	< 6.0
Total Xylenes	ug/kg	10000	10000	< 5.3	< 5.5	< 5.0	< 5.8	< 6.3	< 5.6	< 5.2	< 6.1	< 5.4	< 5.2	< 6.0	< 6.3	< 6.4	< 6.3	< 6.2	< 6.0
trans-1,2-Dichloroethene	ug/kg	100	100	< 5.3	< 5.5	< 5.0	< 5.8	< 6.3	< 5.6	< 5.2	< 6.1	< 5.4	< 5.2	< 6.0	< 6.3	< 6.4	< 6.3	< 6.2	< 6.0
trans-1,3-Dichloropropene	ug/kg	1	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,4-Dichloro-2-Butene	ug/kg		1000	< 11	< 11	< 10	< 12	< 13	< 11	< 10	< 12	< 11	< 10	< 12	< 13	< 13	< 13	< 12	< 12
Trichloroethene	ug/kg	30	30	< 5.3	< 5.5	< 5.0	< 5.8	< 6.3	< 5.6	< 5.2	< 6.1	< 5.4	< 5.2	< 6.0	< 6.3	< 6.4	< 6.3	< 6.2	< 6.0
Trichlorofluoromethane	ug/kg	100000	100000	< 5.3	< 5.5	< 5.0	< 5.8	< 6.3	< 5.6	< 5.2	< 6.1	< 5.4	< 5.2	< 6.0	< 6.3	< 6.4	< 6.3	< 6.2	< 6.0
Vinyl chloride	ug/kg	70	70	< 5.3	< 5.5	< 5.0	< 5.8	< 6.3	< 5.6	< 5.2	< 6.1	< 5.4	< 5.2	< 6.0	< 6.3	< 6.4	< 6.3	< 6.2	< 6.0

Legend		
<1		Parameter not detected above the laboratory reporting limit
<1		Indicates the laboratory reporting limit is greater than one or more applicable comparison criteria
BRL		Parameter consists of multiple isomers and were not detected above the laboratory reporting limit
1		Parameter reported at a concentration greater than applicable regulatory standard/criterion
1		Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:

mg/l = milligrams per liter
µg/l = micrograms per liter
(ft.) = feet
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram

ETPH = Extractable Total Petroleum Hydrocarbons
PCBs = Polychlorinated Biphenyls
SPLP = Synthetic Precipitation Leaching Procedure
TCLP = Toxicity Characterization Leaching Procedure
BDL = Below Detection Limit
VOCs = Volatile organic Compounds
SVOC = Semi Volatile Organic Compound

Table 2

SUMMARY OF SOIL ANALYTICAL RESULTS (COMPOSITE SAMPLES)

ROUTE 44 , PUTNAM, CT

HRP# CTD5017.21

				Lab Reportno.:	GCT92045	GCT92045	GCT92045
				ID:	COMP-1	COMP-2	COMP-3
				Date Collected:	8/5/2025	8/5/2025	8/5/2025
	Unit	RCS-1 ACCEPTANCE CRITERIA	RCS-2 ACCEPTANCE CRITERIA				
GenChem							
Conductivity	umhos/cm	2000	2000	1100	412	152	
Corrosivity (as pH)	Pos/Neg	Neg	Neg	Neg	Neg	Neg	
Flashpoint	Degree F	Non-Ignitable	Non-Ignitable	> 200	> 200	> 200	
Ignitability	Degree F	140	140	Passed	Passed	Passed	
Oxidation/Reduction Potential	mV			222	169	204	
Paint Filter	PASS/FAIL	Pass	Pass	Passed	Passed	Passed	
pH	pH Units	5-9	5-9	9.46	10.1	8.34	
Reactive Cyanide	mg/kg	250	250	< 5	< 5	< 5	
Reactive Sulfide	mg/kg	500	500	< 20	< 20	< 20	
Reactivity	Pos/Neg	Neg	Neg	Neg	Neg	Neg	
solids (percent)	%			96	90	92	
Herb							
2,4,5-T	ug/kg	10000	100000	< 26	< 28	< 27	
2,4,5-TP	ug/kg	10000	100000	< 26	< 28	< 27	
2,4-D	ug/kg	10000	100000	< 26	< 28	< 27	
2,4-DB	ug/kg	10000	100000	< 26	< 28	< 27	
Dalapon	ug/kg	100000	1000000	< 26	< 28	< 27	
Dicamba	ug/kg	50000	500000	< 26	< 28	< 27	
Dichloroprop	ug/kg			< 26	< 28	< 27	
Dinoseb	ug/kg	50000	500000	< 26	< 28	< 27	
MCPA	ug/kg	10000	100000	< 3300	< 3300	< 3300	
MCP	ug/kg			< 3300	< 3300	< 3300	
Metals							
Antimony	mg/kg	10	10	< 2.0	< 2.0	< 2.0	
Arsenic	mg/kg	20	20	4.77	3.80	3.67	
Barium	mg/kg	375	375	37.6	46.6	39.7	
Beryllium	mg/kg	4	4	< 0.29	< 0.30	< 0.29	
Cadmium	mg/kg	20	20	< 0.36	< 0.38	< 0.36	
Chromium	mg/kg	100	200	19.9	20.0	18.3	
Chromium, Hexavalent	mg/kg			< 0.39	< 0.43	< 0.40	
Chromium, Trivalent	mg/kg			19.9	20.0	18.3	
Copper	mg/kg			10.9	14.1	8.3	
Lead	mg/kg	200	500	5.71	3.78	4.80	
Mercury	mg/kg	3	3	< 0.03	< 0.03	< 0.03	
Nickel	mg/kg	150	150	13.6	11.6	10.3	
Selenium	mg/kg	5	5	< 1.4	< 1.5	< 1.4	
Silver	mg/kg	6	6	< 0.36	< 0.38	< 0.36	
Thallium	mg/kg	6	6	< 0.8	< 0.8	< 0.8	
Vanadium	mg/kg	225	225	19.8	22.2	18.0	
Zinc	mg/kg	500	500	21.8	21.7	24.6	
Metals - TCLP							
Antimony	mg/l			< 0.006	< 0.006	< 0.006	
Arsenic	mg/l			< 0.01	< 0.01	< 0.01	
Barium	mg/l			0.20	0.27	0.25	
Beryllium	mg/l			< 0.004	< 0.004	< 0.004	
Cadmium	mg/l			< 0.005	< 0.005	< 0.005	
Chromium	mg/l			< 0.010	0.017	< 0.010	
Chromium, Hexavalent	mg/l			< 0.01	< 0.01	< 0.01	
Chromium, Trivalent	mg/l			< 0.010	0.017	< 0.010	
Copper	mg/l			< 0.010	0.012	< 0.010	
Lead	mg/l			< 0.010	< 0.010	0.015	
Mercury	mg/l			< 0.0002	< 0.0002	< 0.0002	
Nickel	mg/l			< 0.010	< 0.010	< 0.010	
Selenium	mg/l			< 0.05	< 0.05	< 0.05	
Silver	mg/l			< 0.010	< 0.010	< 0.010	
Thallium	mg/l			< 0.005	< 0.005	< 0.005	
Vanadium	mg/l			< 0.010	< 0.010	< 0.010	
Zinc	mg/l			0.015	0.015	0.080	
Metals - SPLP							
Antimony	mg/l			< 0.005	< 0.005	< 0.005	
Arsenic	mg/l			0.008	< 0.004	0.013	
Barium	mg/l			< 0.010	< 0.010	< 0.010	
Beryllium	mg/l			< 0.001	< 0.001	< 0.001	
Cadmium	mg/l			< 0.005	< 0.005	< 0.005	
Chromium	mg/l			< 0.010	< 0.010	< 0.010	
Chromium, Hexavalent	mg/l			< 0.01	< 0.01	< 0.01	
Chromium, Trivalent	mg/l			< 0.010	< 0.010	< 0.010	
Copper	mg/l			< 0.010	< 0.010	< 0.010	
Lead	mg/l			< 0.010	< 0.010	< 0.010	
Mercury	mg/l			< 0.0002	< 0.0002	< 0.0002	
Nickel	mg/l			< 0.010	< 0.010	< 0.010	
Selenium	mg/l			< 0.020	< 0.020	< 0.020	
Silver	mg/l			< 0.010	< 0.010	< 0.010	
Thallium	mg/l			< 0.005	< 0.005	< 0.005	
Vanadium	mg/l			< 0.010	< 0.010	< 0.010	
Zinc	mg/l			< 0.010	< 0.010	< 0.010	
PCB							
PCB-1016	ug/kg			< 68	< 72	< 72	
PCB-1221	ug/kg			< 68	< 72	< 72	
PCB-1232	ug/kg			< 68	< 72	< 72	
PCB-1242	ug/kg			< 68	< 72	< 72	



Table 2

SUMMARY OF SOIL ANALYTICAL RESULTS (COMPOSITE SAMPLES)

ROUTE 44 , PUTNAM, CT

HRP# CTD5017.21

				Lab Reportno.:	GCT92045	GCT92045	GCT92045
				ID:	COMP-1	COMP-2	COMP-3
				Date Collected:	8/5/2025	8/5/2025	8/5/2025
	Unit	RCS-1 ACCEPTANCE CRITERIA	RCS-2 ACCEPTANCE CRITERIA				
PCB-1248	ug/kg			< 68	< 72	< 72	
PCB-1254	ug/kg			< 68	< 72	< 72	
PCB-1260	ug/kg			< 68	< 72	< 72	
PCB-1262	ug/kg			< 68	< 72	< 72	
PCB-1268	ug/kg			< 68	< 72	< 72	
Total PCBs	ug/kg	100	100	BDL	BDL	BDL	
Pesticides							
4,4''-DDD	ug/kg	800	4000	< 1.4	< 1.4	< 1.4	
4,4''-DDE	ug/kg	600	3000	< 1.4	< 1.4	< 1.4	
4,4''-DDT	ug/kg	600	3000	< 1.4	< 1.4	< 1.4	
Alachlor	ug/kg	10000	100000	< 6.8	< 7.2	< 7.2	
Aldrin	ug/kg	8	50	< 1.4	< 1.4	< 1.4	
alpha-BHC	ug/kg	5000	50000	< 1.4	< 1.4	< 1.4	
beta-BHC	ug/kg	1000	10000	< 1.4	< 1.4	< 1.4	
Chlordane	ug/kg	70	3000	< 14	< 14	< 14	
delta-BHC	ug/kg	1000	10000	< 1.4	< 1.4	< 1.4	
Dieldrin	ug/kg	8	50	< 3.4	< 3.6	< 3.6	
Endosulfan I	ug/kg	50	100	< 6.8	< 7.2	< 7.2	
Endosulfan II	ug/kg	50	100	< 6.8	< 7.2	< 7.2	
Endosulfan Sulfate	ug/kg			< 6.8	< 7.2	< 7.2	
Endrin	ug/kg	1000	2000	< 6.8	< 7.2	< 7.2	
Endrin Aldehyde	ug/kg	1000	10000	< 6.8	< 7.2	< 7.2	
Endrin ketone	ug/kg			< 6.8	< 7.2	< 7.2	
gamma-BHC (Lindane)	ug/kg	0.3	50	< 0.27	< 0.29	< 0.29	
Heptachlor	ug/kg	30	200	< 6.8	< 7.2	< 7.2	
Heptachlor Epoxide	ug/kg	10	90	< 6.8	< 7.2	< 7.2	
Methoxychlor	ug/kg	20000	40000	< 34	< 36	< 36	
Toxaphene	ug/kg	1000	10000	< 140	< 140	< 140	
SPLP SVOCs by SIM							
2-Methylnaphthalene	ug/l			< 0.51	< 0.47	< 0.50	
Acenaphthene	ug/l			< 0.51	< 0.47	< 0.50	
Acenaphthylene	ug/l			< 0.10	< 0.09	< 0.10	
Anthracene	ug/l			< 0.10	< 0.09	< 0.09	
Benzo(a)anthracene	ug/l			< 0.05	< 0.05	< 0.05	
Benzo(a)pyrene	ug/l			< 0.20	< 0.19	< 0.20	
Benzo(b)fluoranthene	ug/l			< 0.07	< 0.07	< 0.07	
Benzo(ghi)perylene	ug/l			< 0.02	< 0.02	< 0.02	
Benzo(k)fluoranthene	ug/l			< 0.10	< 0.09	< 0.10	
Chrysene	ug/l			< 0.05	< 0.05	< 0.05	
Dibenzo(a,h)anthracene	ug/l			< 0.02	< 0.02	< 0.02	
Fluoranthene	ug/l			< 0.51	< 0.47	< 0.50	
Fluorene	ug/l			< 0.10	< 0.09	< 0.10	
Indeno(1,2,3-cd)pyrene	ug/l			< 0.10	< 0.09	< 0.10	
Naphthalene	ug/l			< 0.51	< 0.47	< 0.50	
Phenanthrene	ug/l			< 0.06	< 0.06	< 0.06	
Pyrene	ug/l			< 0.07	< 0.07	< 0.07	
SVOCs							
1,1'-Biphenyl	ug/kg	5	600	< 50	< 50	< 50	
1,2,4,5-Tetrachlorobenzene	ug/kg	100000	100000	< 100	< 100	< 100	
1,2,4-Trichlorobenzene	ug/kg	200	200	< 200	< 200	< 200	
1,2-Dichlorobenzene	ug/kg	900	900	< 240	< 260	< 250	
1,2-Diphenylhydrazine	ug/kg	5000	50000	< 200	< 200	< 200	
1,3-Dichlorobenzene	ug/kg	300	300	< 240	< 260	< 250	
1,4-Dichlorobenzene	ug/kg	70	70	< 70	< 70	< 70	
2,4,5-Trichlorophenol	ug/kg	400	60000	< 240	< 260	< 250	
2,4,6-Trichlorophenol	ug/kg	70	2000	< 70	< 70	< 70	
2,4-Dichlorophenol	ug/kg	70	4000	< 70	< 70	< 70	
2,4-Dimethylphenol	ug/kg	70	10000	< 70	< 70	< 70	
2,4-Dinitrophenol	ug/kg	300	5000	< 300	< 300	< 300	
2,4-Dinitrotoluene	ug/kg	70	1000	< 70	< 70	< 70	
2,6-Dinitrotoluene	ug/kg	10000	100000	< 200	< 200	< 200	
2-Chloronaphthalene	ug/kg	100000	100000	< 240	< 260	< 250	
2-Chlorophenol	ug/kg	70	100000	< 70	< 70	< 70	
2-Methyl-4,6-dinitrophenol	ug/kg	5000	50000	< 300	< 300	< 300	
2-Methylnaphthalene	ug/kg	700	5000	< 70	< 70	< 70	
2-Nitroaniline	ug/kg			< 300	< 300	< 300	
2-Nitrophenol	ug/kg	10000	100000	< 240	< 260	< 250	
3,3'-Dichlorobenzidine	ug/kg	300	2000	< 100	< 100	< 100	
3+4-Methylphenols	ug/kg	50000	100000	< 340	< 370	< 360	
3-Nitroaniline	ug/kg			< 100	< 100	< 100	
4-Bromophenylphenyl ether	ug/kg	10000	100000	< 340	< 370	< 360	
4-Chloro-3-methylphenol	ug/kg	100000	100000	< 240	< 260	< 250	
4-Chloroaniline	ug/kg	100	300	< 100	< 100	< 100	
4-Chlorophenyl phenylether	ug/kg	100000	100000	< 240	< 260	< 250	
4-Nitroaniline	ug/kg	100000	100000	< 300	< 300	< 300	
4-Nitrophenol	ug/kg	10000	100000	< 240	< 260	< 250	
Acenaphthene	ug/kg	4000	5000	< 240	< 260	< 250	
Acenaphthylene	ug/kg	1000	5000	210	< 100	< 100	
Acetophenone	ug/kg	100000	100000	< 240	< 260	< 250	
Aniline	ug/kg	100000	100000	< 200	< 200	< 200	
Anthracene	ug/kg	10000	10000	< 240	< 260	< 250	
Benzidine	ug/kg	1000	10000	< 200	< 200	< 200	



Table 2
SUMMARY OF SOIL ANALYTICAL RESULTS (COMPOSITE SAMPLES)
ROUTE 44 , PUTNAM, CT
HRP# CTD5017.21

				Lab Reportno.:	GCT92045	GCT92045	GCT92045
				ID:	COMP-1	COMP-2	COMP-3
				Date Collected:	8/5/2025	8/5/2025	8/5/2025
	Unit	RCS-1 ACCEPTANCE CRITERIA	RCS-2 ACCEPTANCE CRITERIA				
Benzo(a)anthracene	ug/kg	7000	20000	< 240	< 260	< 250	
Benzo(a)pyrene	ug/kg	2000	7000	380	< 200	< 200	
Benzo(b)fluoranthene	ug/kg	7000	20000	480	< 260	< 250	
Benzo(ghi)perylene	ug/kg	10000	10000	480	< 260	< 250	
Benzo(k)fluoranthene	ug/kg	10000	10000	< 240	< 260	< 250	
Benzoic Acid	ug/kg	100000	100000	< 680	< 740	< 720	
Bis(2-chloroethoxy)methane	ug/kg	50000	100000	< 240	< 260	< 250	
Bis(2-Chloroethyl)Ether	ug/kg	70	70	< 70	< 70	< 70	
Bis(2-Chloroisopropyl) Ether	ug/kg	70		< 70	< 70	< 70	
Bis(2-ethylhexyl)phthalate	ug/kg	9000	60000	< 340	< 370	< 360	
Butylbenzyl phthalate	ug/kg	10000	100000	< 240	< 260	< 250	
Carbazole	ug/kg			< 100	< 100	< 100	
Chrysene	ug/kg	20000	20000	< 240	< 260	< 250	
Dibenzo(a,h)anthracene	ug/kg	700	4000	74	< 70	< 70	
Dibenzofuran	ug/kg	10000	100000	< 200	< 200	< 200	
Diethyl phthalate	ug/kg	1000	20000	< 240	< 260	< 250	
Dimethyl phthalate	ug/kg	70	5000	< 70	< 70	< 70	
Di-n-butyl phthalate	ug/kg	5000	50000	< 340	< 370	< 360	
Di-n-octyl phthalate	ug/kg	100000	100000	< 240	< 260	< 250	
Fluoranthene	ug/kg	40000	40000	< 240	< 260	< 250	
Fluorene	ug/kg	10000	10000	< 240	< 260	< 250	
Hexachloro-1,3-butadiene	ug/kg	3000	3000	< 200	< 200	< 200	
Hexachlorobenzene	ug/kg	70	80	< 70	< 70	< 70	
Hexachlorocyclopentadiene	ug/kg	5000	50000	< 240	< 260	< 250	
Hexachloroethane	ug/kg	70	300	< 70	< 70	< 70	
Indeno(1,2,3-cd)pyrene	ug/kg	7000	10000	370	< 260	< 250	
Isophorone	ug/kg	10000	100000	< 240	< 260	< 250	
Naphthalene	ug/kg	400	400	< 240	< 260	< 250	
Nitrobenzene	ug/kg	50000	100000	< 200	< 200	< 200	
N-Nitrosodimethylamine	ug/kg	50000	100000	< 200	< 200	< 200	
N-Nitrosodi-n-propylamine	ug/kg	50000	100000	< 200	< 200	< 200	
N-Nitrosodiphenylamine	ug/kg	10000	100000	< 200	< 200	< 200	
o-cresol	ug/kg	50000	100000	< 100	< 100	< 100	
Pentachloronitrobenzene	ug/kg	10000	100000	< 140	< 140	< 140	
Pentachlorophenol	ug/kg	300	1000	< 300	< 300	< 300	
Phenanthrene	ug/kg	10000	30000	< 240	< 260	< 250	
Phenol	ug/kg	100	2000	< 100	< 100	< 100	
Pyrene	ug/kg	40000	40000	< 240	< 260	< 250	
Pyridine	ug/kg	10000	100000	< 200	< 200	< 200	
ETPH							
EXT. Petroleum H.C. (C9-C36)	mg/kg	500	1000	< 51	< 55	< 53	
VOCs							
1,1,1,2-Tetrachloroethane	ug/kg	10	10	< 5.8	< 6.3	< 6.6	
1,1,1-Trichloroethane	ug/kg	3000	3000	< 5.8	< 6.3	< 6.6	
1,1,2,2-Tetrachloroethane	ug/kg	0.5	0.5	< 0.5	< 0.5	< 0.5	
1,1,2-Trichloroethane	ug/kg	10	10	< 5.8	< 6.3	< 6.6	
1,1,2-Trichlorotrifluoroethane (Freon 113)	ug/kg			< 12	< 13	< 13	
1,1-Dichloroethane	ug/kg	40	40	< 5.8	< 6.3	< 6.6	
1,1-Dichloroethene	ug/kg	300	300	< 5.8	< 6.3	< 6.6	
1,1-Dichloropropene	ug/kg	1	1	< 1.0	< 1.0	< 1.0	
1,2,3-Trichlorobenzene	ug/kg			< 5.8	< 6.3	< 6.6	
1,2,3-Trichloropropane	ug/kg	10000	10000	< 5.8	< 6.3	< 6.6	
1,2,4-Trichlorobenzene	ug/kg	200	200	< 5.8	< 6.3	< 6.6	
1,2,4-Trimethylbenzene	ug/kg	100000	100000	< 5.8	< 6.3	< 6.6	
1,2-Dibromo-3-chloropropane	ug/kg	1000	1000	< 5.0	< 5.0	< 5.0	
1,2-Dibromoethane (EDB) (ethylene dibromide)	ug/kg	10	10	< 0.58	< 0.63	< 0.66	
1,2-Dichlorobenzene	ug/kg	900	900	< 5.8	< 6.3	< 6.6	
1,2-Dichloroethane	ug/kg	10	10	< 5.8	< 6.3	< 6.6	
1,2-Dichloropropane	ug/kg	10	10	< 5.8	< 6.3	< 6.6	
1,3,5-Trimethylbenzene	ug/kg	1000	1000	< 5.8	< 6.3	< 6.6	
1,3-Dichlorobenzene	ug/kg	300	300	< 5.8	< 6.3	< 6.6	
1,3-Dichloropropane	ug/kg	50000	50000	< 5.8	< 6.3	< 6.6	
1,4-Dichlorobenzene	ug/kg	70	70	< 5.8	< 6.3	< 6.6	
1,4-Dioxane	ug/kg	20	20	< 20	< 20	< 20	
2,2-Dichloropropane	ug/kg	10	10	< 5.8	< 6.3	< 6.6	
2-Butanone (MEK)	ug/kg	400	400	< 35	< 38	< 39	
2-Chlorotoluene	ug/kg	10000	10000	< 5.8	< 6.3	< 6.6	
2-Hexanone (Methyl butyl ketone/MBK)	ug/kg	10000	10000	< 29	< 31	< 33	
4-Chlorotoluene	ug/kg	1000	1000	< 5.8	< 6.3	< 6.6	
Acetone	ug/kg	600	600	< 290	< 310	< 330	
Acrylonitrile	ug/kg	10000	10000	< 5.8	< 6.3	< 6.6	
Benzene	ug/kg	200	200	< 5.8	< 6.3	< 6.6	
Benzene, 1-methyl-2-(1-methylethyl	ug/kg			< 5.8	< 6.3	< 6.6	
Bromobenzene	ug/kg	10000	10000	< 5.8	< 6.3	< 6.6	
Bromochloromethane	ug/kg			< 1.0	< 1.0	< 1.0	
Bromodichloromethane	ug/kg	10	10	< 5.8	< 6.3	< 6.6	
Bromoform	ug/kg	10	10	< 5.8	< 6.3	< 6.6	
Bromomethane	ug/kg	50	50	< 5.8	< 6.3	< 6.6	
Carbon disulfide	ug/kg	10000	10000	< 5.8	< 6.3	< 6.6	
Carbon tetrachloride	ug/kg	500	500	< 5.8	< 6.3	< 6.6	
Chlorobenzene	ug/kg	100	100	< 5.8	< 6.3	< 6.6	
Chloroethane	ug/kg	10000	10000	< 5.8	< 6.3	< 6.6	
Chloroform	ug/kg	20	20	< 5.8	< 6.3	< 6.6	



				Lab Reportno.:	GCT92045	GCT92045	GCT92045
				ID:	COMP-1	COMP-2	COMP-3
				Date Collected:	8/5/2025	8/5/2025	8/5/2025
	Unit	RCS-1 ACCEPTANCE CRITERIA	RCS-2 ACCEPTANCE CRITERIA				
Chloromethane	ug/kg	10000	10000		< 5.8	< 6.3	< 6.6
cis-1,2-Dichloroethene	ug/kg	10	10		< 5.8	< 6.3	< 6.6
cis-1,3-Dichloropropene	ug/kg	1	1		< 1.0	< 1.0	< 1.0
Dibromochloromethane	ug/kg	0.5	0.5		< 0.5	< 0.5	< 0.5
Dibromomethane	ug/kg	50000	50000		< 5.8	< 6.3	< 6.6
Dichlorodifluoromethane	ug/kg	100000	100000		< 5.8	< 6.3	< 6.6
Diethyl ether	ug/kg	10000	10000		< 5.8	< 6.3	< 6.6
Diisopropyl ether	ug/kg	10000	10000		< 5.8	< 6.3	< 6.6
Ethyl tert-butyl ether	ug/kg				< 5.8	< 6.3	< 6.6
Ethylbenzene	ug/kg	4000	4000		< 5.8	< 6.3	< 6.6
Hexachloro-1,3-butadiene	ug/kg	3000	3000		< 5.8	< 6.3	< 6.6
Isopropylbenzene	ug/kg	100000	100000		< 5.8	< 6.3	< 6.6
m/p-Xylenes	ug/kg	10000	10000		< 5.8	< 6.3	< 6.6
Methyl isobutyl ketone (MIBK)	ug/kg	40	40		< 29	< 31	< 33
Methylene chloride	ug/kg	10	10		< 10	< 10	< 10
Methyl-t-butyl-ether	ug/kg	10	10		< 10	< 10	< 10
Naphthalene	ug/kg	400	400		< 5.8	< 6.3	< 6.6
n-Butylbenzene	ug/kg				< 5.8	< 6.3	< 6.6
n-Propylbenzene	ug/kg	10000	10000		< 5.8	< 6.3	< 6.6
o-Xylene	ug/kg	10000	10000		< 5.8	< 6.3	< 6.6
p-Isopropyltoluene	ug/kg	10000	10000		< 5.8	< 6.3	< 6.6
sec-Butylbenzene	ug/kg				< 5.8	< 6.3	< 6.6
Styrene	ug/kg	300	300		< 5.8	< 6.3	< 6.6
Tert-amyl methyl ether	ug/kg				< 5.8	< 6.3	< 6.6
tert-Butylbenzene	ug/kg	10000	10000		< 5.8	< 6.3	< 6.6
Tetrachloroethene	ug/kg	100	100		< 5.8	< 6.3	< 6.6
Tetrahydrofuran	ug/kg	50000	50000		< 12	< 13	< 13
Toluene	ug/kg	3000	3000		< 5.8	< 6.3	< 6.6
Total Xylenes	ug/kg	10000	10000		< 5.8	< 6.3	< 6.6
trans-1,2-Dichloroethene	ug/kg	100	100		< 5.8	< 6.3	< 6.6
trans-1,3-Dichloropropene	ug/kg	1	1		< 1.0	< 1.0	< 1.0
trans-1,4-Dichloro-2-Butene	ug/kg		1000		< 12	< 13	< 13
Trichloroethene	ug/kg	30	30		< 5.8	< 6.3	< 6.6
Trichlorofluoromethane	ug/kg	100000	100000		< 5.8	< 6.3	< 6.6
Vinyl chloride	ug/kg	70	70		< 5.8	< 6.3	< 6.6

Legend

<1	Parameter not detected above the laboratory reporting limit
<1	Indicates the laboratory reporting limit is greater than one or more applicable comparison criteria
BRL	Parameter consists of multiple isomers and were not detected above the laboratory reporting limit
1	Parameter reported at a concentration greater than applicable regulatory standard/criterion
1	Parameter reported above the laboratory reporting limit but below the applicable regulatory standard/criterion

Notes:

mg/l = milligrams per liter	ETPH = Extractable Total Petroleum Hydrocarbons
µg/l = micrograms per liter	PCBs = Polychlorinated Biphenyls
(ft.) = feet	SPLP = Synthetic Precipitation Leaching Procedure
mg/kg = milligrams per kilogram	TCLP = Toxicity Characterization Leaching Procedure
µg/kg = micrograms per kilogram	BDL = Below Detection Limit
	VOCs = Volatile organic Compounds
	SVOC = Semi Volatile Organic Compound
	SIM = Selective Ion Monitoring



APPENDIX A

Soil Boring Logs

Project: Replacement of Retaining Wall				HRP ASSOCIATES, INC.		Test Boring ID: SB-1					
Location: Route 44 Putnam, CT				DRILLING/SOIL LOG							
HRP Job No. CTD5017.21				Rig Type: Geoprobe 7822DT		Sheet No. 1 of 1					
Date: 8/5/2025				CES: Jordan and Leo							
HRP Rep. Chris Labbe				PROPORTIONS							
Total Boring Depth: 15'				trace: 0 to 10% some: 20 to 35%							
Depth to Bedrock: N/A				little: 10 to 20% and: 35 to 50%							
Sampler Depth interval (ft)		Recovery (in)	Moisture	Contact Interval (ft) and Soil Type	Soil Description (proportions, grain size, etc.)			PID (ppm)		Soil Sample Details	
								Depth (ft)	Reading	Interval (ft)	Sample Time
5		36"	Dry		9" Asphalt, 8" Concrete. Brown very fine-medium SAND, trace fine-coarse Gravel.			1.5-3	0.1	1.5-3	09:25
								5-6	0.0	5-6	09:37
								9-10	0.0	9-10	09:40
					Brown very fine-medium SAND, trace fine-coarse Gravel, trace Cobble (loose).						
10		24"	Dry								
	15					6"	Dry		SAA. Very loose, some soil lost on the way up.		
20											
NOTES					USCS SOIL CLASSIFICATION						
ft = feet					CH (Fat Clay)		OH (Organic Clay / Silt of High Plasticity)				
SAA = Same as above					CL (Lean Clay)		OL (Organic Clay / Silt of Low Plasticity)				
NA = Not applicable					GC (Clayey Gravel)		PT (Highly Organic Soil / Peat)				
PID = Photoionization Detector					GM (Silty Gravel)		SC (Clayey Sand)				
ppm = parts per million					GP (Poorly Graded Gravel)		SM (Silty Sand)				
					GW (Well-Graded Gravel)		SP (Poorly Graded Sand)				
					MH (Elastic Silt)		SW (Well-Graded Sand)				
					ML (Silt)						

Project: Replacement of Retaining Wall				HRP ASSOCIATES, INC.		Test Boring ID: SB-2			
Location: Route 44 Putnam, CT				DRILLING/SOIL LOG					
HRP Job No. CTD5017.21				Rig Type: Geoprobe 7822DT		Sheet No. 1 of 1			
Date: 8/5/2025				CES: Jordan and Leo					
HRP Rep. Chris Labbe				PROPORTIONS					
Total Boring Depth: 15'				trace: 0 to 10%		some: 20 to 35%			
Depth to Bedrock: N/A				little: 10 to 20%		and: 35 to 50%			
Sampler Depth interval (ft)		Recovery (in)	Moisture	Contact Interval (ft) and Soil Type	Soil Description (proportions, grain size, etc.)	PID (ppm)		Soil Sample Details	
						Depth (ft)	Reading	Interval (ft)	Sample Time
5		32"	Dry		6" Asphalt, 6" Concrete	1-3	0.0	1-3	10:05
					Dark brown very fine-medium SAND, some coarse Sand, trace fine-coarse Gravel, trace fractured Cobble.				
					SAA				
					Light brown very fine-fine SAND, trace Silt, trace fractured Cobble.				
					SAA				
10		42"	Dry			5-6.5	0.0	5-6.5	10:16
15		48"	Dry			8-10	0.0	8-10	10:21
20						10-15	0.0		

NOTES		USCS SOIL CLASSIFICATION	
ft = feet		CH (Fat Clay)	OH (Organic Clay / Silt of High Plasticity)
SAA = Same as above		CL (Lean Clay)	OL (Organic Clay / Silt of Low Plasticity)
NA = Not applicable		GC (Clayey Gravel)	PT (Highly Organic Soil / Peat)
PID = Photoionization Detector		GM (Silty Gravel)	SC (Clayey Sand)
ppm = parts per million		GP (Poorly Graded Gravel)	SM (Silty Sand)
		GW (Well-Graded Gravel)	SP (Poorly Graded Sand)
		MH (Elastic Silt)	SW (Well-Graded Sand)
		ML (Silt)	

Project: Replacement of Retaining Wall				HRP ASSOCIATES, INC.		Test Boring ID: SB-3				
Location: Route 44 Putnam, CT				DRILLING/SOIL LOG						
HRP Job No. CTD5017.21				Rig Type: Geoprobe 7822DT		Sheet No. 1 of 1				
Date: 8/5/2025				CES: Jordan and Leo						
HRP Rep. Chris Labbe				PROPORTIONS						
Total Boring Depth: 15'				trace: 0 to 10% some: 20 to 35%						
Depth to Bedrock: N/A				little: 10 to 20% and: 35 to 50%						
Sampler Depth interval (ft)		Recovery (in)	Moisture	Contact Interval (ft) and Soil Type	Soil Description (proportions, grain size, etc.)		PID (ppm)		Soil Sample Details	
							Depth (ft)	Reading	Interval (ft)	Sample Time
5		38"	Dry		7" Asphalt, 7" Concrete		1.5-3	0.0	1.5-3	10:47
	Orange-brown very fine-medium SAND, little coarse-very coarse Sand, trace fine-coarse Gravel, little fractured Cobble.									
10		36"	Dry		Light brown very fine-fine SAND.		5-6.5	0.0	5-6.5	11:00
15		54"	Dry		Light brown very fine-fine SAND, trace Silt.		8.5-10	0.0	8.5-10	11:05
20										
NOTES					USCS SOIL CLASSIFICATION					
ft = feet					CH (Fat Clay)		OH (Organic Clay / Silt of High Plasticity)			
SAA = Same as above					CL (Lean Clay)		OL (Organic Clay / Silt of Low Plasticity)			
NA = Not applicable					GC (Clayey Gravel)		PT (Highly Organic Soil / Peat)			
PID = Photoionization Detector					GM (Silty Gravel)		SC (Clayey Sand)			
ppm = parts per million					GP (Poorly Graded Gravel)		SM (Silty Sand)			
					GW (Well-Graded Gravel)		SP (Poorly Graded Sand)			
					MH (Elastic Silt)		SW (Well-Graded Sand)			
					ML (Silt)					

Project: Replacement of Retaining Wall				HRP ASSOCIATES, INC.		Test Boring ID: SB-4				
Location: Route 44 Putnam, CT				DRILLING/SOIL LOG						
HRP Job No. CTD5017.21				Rig Type: Geoprobe 7822DT		Sheet No. 1 of 1				
Date: 8/5/2025				CES: Jordan and Leo						
HRP Rep. Chris Labbe				PROPORTIONS						
Total Boring Depth: 15'				trace: 0 to 10%		some: 20 to 35%				
Depth to Bedrock: N/A				little: 10 to 20%		and: 35 to 50%				
Sampler Depth interval (ft)		Recovery (in)	Moisture	Contact Interval (ft) and Soil Type	Soil Description (proportions, grain size, etc.)		PID (ppm)		Soil Sample Details	
							Depth (ft)	Reading	Interval (ft)	Sample Time
					8" Asphalt, 6" Concrete					
5		42"	Dry		Orange-brown very fine-medium SAND, trace coarse-very coarse Sand, trace Silt, trace fine-coarse gravel.		1.5-3	0.0	1.5-3	11:25
					Light brown very fine-medium SAND, trace Silt.					
10		50"	Dry		SAA		5-6.5	0.0	5-6.5	11:33
15		60"	Dry				8-10	0.0	8-10	11:40
20										
NOTES					USCS SOIL CLASSIFICATION					
ft = feet					CH (Fat Clay)		OH (Organic Clay / Silt of High Plasticity)			
SAA = Same as above					CL (Lean Clay)		OL (Organic Clay / Silt of Low Plasticity)			
NA = Not applicable					GC (Clayey Gravel)		PT (Highly Organic Soil / Peat)			
PID = Photoionization Detector					GM (Silty Gravel)		SC (Clayey Sand)			
ppm = parts per million					GP (Poorly Graded Gravel)		SM (Silty Sand)			
					GW (Well-Graded Gravel)		SP (Poorly Graded Sand)			
					MH (Elastic Silt)		SW (Well-Graded Sand)			
					ML (Silt)					

Project: Replacement of Retaining Wall				HRP ASSOCIATES, INC.		Test Boring ID: SB-5				
Location: Route 44 Putnam, CT				DRILLING/SOIL LOG						
HRP Job No. CTD5017.21				Rig Type: Geoprobe 7822DT		Sheet No. 1 of 1				
Date: 8/5/2025				CES: Jordan and Leo						
HRP Rep. Chris Labbe				PROPORTIONS						
Total Boring Depth: 5'				trace: 0 to 10%		some: 20 to 35%				
Depth to Bedrock: N/A				little: 10 to 20%		and: 35 to 50%				
Sampler Depth interval (ft)		Recovery (in)	Moisture	Contact Interval (ft) and Soil Type	Soil Description (proportions, grain size, etc.)		PID (ppm)		Soil Sample Details	
							Depth (ft)	Reading	Interval (ft)	Sample Time
5		42"	Dry		6" Asphalt		1-3	0.0	1-3	13:25
					Orange-brown very fine-fine SAND, trace Silt.					
					Light Brown very fine-fine SAND.					
10										
15										
20										
NOTES					USCS SOIL CLASSIFICATION					
ft = feet					CH (Fat Clay) OH (Organic Clay / Silt of High Plasticity)					
SAA = Same as above					CL (Lean Clay) OL (Organic Clay / Silt of Low Plasticity)					
NA = Not applicable					GC (Clayey Gravel) PT (Highly Organic Soil / Peat)					
PID = Photoionization Detector					GM (Silty Gravel) SC (Clayey Sand)					
ppm = parts per million					GP (Poorly Graded Gravel) SM (Silty Sand)					
					GW (Well-Graded Gravel) SP (Poorly Graded Sand)					
					MH (Elastic Silt) SW (Well-Graded Sand)					
					ML (Silt)					

Project: Replacement of Retaining Wall				HRP ASSOCIATES, INC.		Test Boring ID: SB-6				
Location: Route 44 Putnam, CT				DRILLING/SOIL LOG						
HRP Job No. CTD5017.21				Rig Type: Geoprobe 7822DT		Sheet No. 1 of 1				
Date: 8/5/2025				CES: Jordan and Leo						
HRP Rep. Chris Labbe				PROPORTIONS						
Total Boring Depth: 5'				trace: 0 to 10% some: 20 to 35%						
Depth to Bedrock: N/A				little: 10 to 20% and: 35 to 50%						
Sampler Depth interval (ft)		Recovery (in)	Moisture	Contact Interval (ft) and Soil Type	Soil Description (proportions, grain size, etc.)		PID (ppm)		Soil Sample Details	
							Depth (ft)	Reading	Interval (ft)	Sample Time
5		42"	Dry		6" Asphalt.		1-3	0.0	1-3	13:11
					Tan brown very fine-fine SAND, trace Silt.					
					Light brown very fine-fine SAND.					
20										
NOTES					USCS SOIL CLASSIFICATION					
ft = feet					CH (Fat Clay)		OH (Organic Clay / Silt of High Plasticity)			
SAA = Same as above					CL (Lean Clay)		OL (Organic Clay / Silt of Low Plasticity)			
NA = Not applicable					GC (Clayey Gravel)		PT (Highly Organic Soil / Peat)			
PID = Photoionization Detector					GM (Silty Gravel)		SC (Clayey Sand)			
ppm = parts per million					GP (Poorly Graded Gravel)		SM (Silty Sand)			
					GW (Well-Graded Gravel)		SP (Poorly Graded Sand)			
					MH (Elastic Silt)		SW (Well-Graded Sand)			
					ML (Silt)					

Project: Replacement of Retaining Wall				HRP ASSOCIATES, INC.		Test Boring ID: SB-7				
Location: Route 44 Putnam, CT				DRILLING/SOIL LOG						
HRP Job No. CTD5017.21				Rig Type: Geoprobe 7822DT		Sheet No. 1 of 1				
Date: 8/5/2025				CES: Jordan and Leo						
HRP Rep. Chris Labbe				PROPORTIONS						
Total Boring Depth: 5'				trace: 0 to 10%		some: 20 to 35%				
Depth to Bedrock: N/A				little: 10 to 20%		and: 35 to 50%				
Sampler Depth interval (ft)		Recovery (in)	Moisture	Contact Interval (ft) and Soil Type	Soil Description (proportions, grain size, etc.)		PID (ppm)		Soil Sample Details	
							Depth (ft)	Reading	Interval (ft)	Sample Time
5		36"	Dry		6" Asphalt		1.5-3	0.0	1.5-3	12:55
					Dark brown very fine-medium SAND, trace coarse-very coarse Sand, trace fine Gravel.					
					Cinder Ash					
10					Light brown very fine-fine SAND.					
15										
20										

NOTES		USCS SOIL CLASSIFICATION	
ft = feet	CH (Fat Clay)	OH (Organic Clay / Silt of High Plasticity)	
SAA = Same as above	CL (Lean Clay)	OL (Organic Clay / Silt of Low Plasticity)	
NA = Not applicable	GC (Clayey Gravel)	PT (Highly Organic Soil / Peat)	
PID = Photoionization Detector	GM (Silty Gravel)	SC (Clayey Sand)	
ppm = parts per million	GP (Poorly Graded Gravel)	SM (Silty Sand)	
	GW (Well-Graded Gravel)	SP (Poorly Graded Sand)	
	MH (Elastic Silt)	SW (Well-Graded Sand)	
	ML (Silt)		

Project: Replacement of Retaining Wall				HRP ASSOCIATES, INC.		Test Boring ID: SB-8				
Location: Route 44 Putnam, CT				DRILLING/SOIL LOG						
HRP Job No. CTD5017.21				Rig Type: Geoprobe 7822DT		Sheet No. 1 of 1				
Date: 8/5/2025				CES: Jordan and Leo						
HRP Rep. Chris Labbe				PROPORTIONS						
Total Boring Depth: 5'				trace: 0 to 10%		some: 20 to 35%				
Depth to Bedrock: N/A				little: 10 to 20%		and: 35 to 50%				
Sampler Depth interval (ft)		Recovery (in)	Moisture	Contact Interval (ft) and Soil Type	Soil Description (proportions, grain size, etc.)		PID (ppm)		Soil Sample Details	
							Depth (ft)	Reading	Interval (ft)	Sample Time
5		36"	Dry		16" Asphalt, 4" fractured Cobble		1.5-3	0.0	1.5-3	12:40
					Light brown very fine-fine SAND, trace Silt.					
10										
15										
20										
NOTES					USCS SOIL CLASSIFICATION					
ft = feet					CH (Fat Clay)		OH (Organic Clay / Silt of High Plasticity)			
SAA = Same as above					CL (Lean Clay)		OL (Organic Clay / Silt of Low Plasticity)			
NA = Not applicable					GC (Clayey Gravel)		PT (Highly Organic Soil / Peat)			
PID = Photoionization Detector					GM (Silty Gravel)		SC (Clayey Sand)			
ppm = parts per million					GP (Poorly Graded Gravel)		SM (Silty Sand)			
					GW (Well-Graded Gravel)		SP (Poorly Graded Sand)			
					MH (Elastic Silt)		SW (Well-Graded Sand)			
					ML (Silt)					

APPENDIX B

Laboratory Analytical Reports



Tuesday, August 12, 2025

Attn: Walter Sepelak
HRP Associates Inc.
Farmington Business Center
197 Scott Swamp Rd.
Farmington, CT 06032

Project ID: CTD5017.FW
SDG ID: GCT92027
Sample ID#s: CT92027 - CT92044

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.

The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

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

Phyllis Shiller

Laboratory Director

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

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



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



SDG Comments

August 12, 2025

SDG I.D.: GCT92027

Ma S-1 Calc:

Per client request, some compounds are evaluated below the lowest calibration standard in order to meet 1/10 of the MA S1 criteria.



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

Sample Id Cross Reference

August 12, 2025

SDG I.D.: GCT92027

Project ID: CTD5017.FW

Client Id	Lab Id	Matrix	Col Date
SB-1 (1.5-3.0`)	CT92027	SOIL	08/05/25 9:25
SB-1 (5-6`)	CT92028	SOIL	08/05/25 9:37
SB-1 (9-10`)	CT92029	SOIL	08/05/25 9:40
SB-2 (1-3`)	CT92030	SOIL	08/05/25 10:05
SB-2 (5-6.5`)	CT92031	SOIL	08/05/25 10:16
SB-2 (8-10`)	CT92032	SOIL	08/05/25 10:21
SB-3 (1.5-3.0`)	CT92033	SOIL	08/05/25 10:47
SB-3 (5-6.5`)	CT92034	SOIL	08/05/25 11:00
SB-3 (8.5-10`)	CT92035	SOIL	08/05/25 11:05
SB-4 (1.5-3`)	CT92036	SOIL	08/05/25 11:25
SB-4 (5-6.5`)	CT92037	SOIL	08/05/25 11:33
SB-4 (8-10`)	CT92038	SOIL	08/05/25 11:40
SB-5 (1-3`)	CT92039	SOIL	08/05/25 13:25
SB-6 (1-3`)	CT92040	SOIL	08/05/25 13:11
SB-7 (1.5-3`)	CT92041	SOIL	08/05/25 12:55
SB-8 (1.5-3`)	CT92042	SOIL	08/05/25 12:40
TB LL	CT92043	SOIL	08/05/25 6:00
TB HL	CT92044	SOIL	08/05/25 6:00



Environmental Laboratories, Inc.

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

Analysis Report

August 12, 2025

FOR: Attn: Walter Sepelak
HRP Associates Inc.
Farmington Business Center
197 Scott Swamp Rd.
Farmington, CT 06032

Sample Information

Matrix: SOIL
Location Code: HRP-DAS
Rush Request: 5 Day
P.O.#:

Custody Information

Collected by: CL
Received by: SR1
Analyzed by: see "By" below

Date

08/05/25
08/05/25

Time

9:25
15:41

Laboratory Data

SDG ID: GCT92027
Phoenix ID: CT92027

Project ID: CTD5017.FW
Client ID: SB-1 (1.5-3.0`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	1	08/06/25	CPP	SW6010D
Arsenic	4.87	0.69	mg/Kg	1	08/06/25	CPP	SW6010D
Barium	29.0	0.35	mg/Kg	1	08/06/25	CPP	SW6010D
Beryllium	< 0.28	0.28	mg/Kg	1	08/06/25	CPP	SW6010D
Cadmium	< 0.35	0.35	mg/Kg	1	08/06/25	CPP	SW6010D
Chromium	14.8	0.35	mg/Kg	1	08/06/25	CPP	SW6010D
Copper	7.3	0.7	mg/kg	1	08/06/25	CPP	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	08/07/25	ZT	SW7471B
Nickel	9.24	0.35	mg/Kg	1	08/06/25	CPP	SW6010D
Lead	11.9	0.35	mg/Kg	1	08/06/25	CPP	SW6010D
Antimony	< 2.0	2.0	mg/Kg	1	08/06/25	CPP	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Silver	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Arsenic	0.021	0.004	mg/L	1	08/06/25	CPP	SW6010D
SPLP Barium	0.033	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Beryllium	< 0.001	0.001	mg/L	1	08/06/25	CPP	SW6010D
SPLP Cadmium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Chromium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Copper	0.013	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Mercury	< 0.0002	0.0002	mg/L	1	08/06/25	ZT	SW7470A
SPLP Nickel	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Lead	0.028	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Antimony	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Selenium	< 0.020	0.020	mg/L	1	08/06/25	CPP	SW6010D
SPLP Thallium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Trivalent Chromium	< 0.010	0.010	mg/L	1	08/06/25		SW6010D
SPLP Vanadium	0.015	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Zinc	0.089	0.010	mg/L	1	08/06/25	CPP	SW6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 0.8	0.8	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Metals Digestion	Completed				08/06/25	AK/GW	SW3010A
Trivalent Chromium	14.8	0.35	mg/kg	1	08/06/25		CALC 6010-7196
Vanadium	14.8	0.35	mg/Kg	1	08/06/25	CPP	SW6010D
Zinc	18.9	0.7	mg/Kg	1	08/06/25	CPP	SW6010D
Percent Solid	95		%		08/05/25	CV	SW846-%Solid
Chromium, Hex. (SW3060A digestion	< 0.38	0.38	mg/Kg	1	08/06/25	NP	SW7196A
pH at 20C - Soil	9.75	1.00	pH Units	1	08/06/25 01:08	KG	SW846 9045D
Redox Potential	235		mV	1	08/06/25	KG	SM2580B-09
SPLP Hexavalent Chromium	< 0.01	0.01	mg/L	1	08/06/25	IG	SW1312/SW3500CRD
Field Extraction	Completed				08/05/25		SW5035A
Mercury Digestion	Completed				08/06/25	/GW	SW7471B
Extraction of ETPH	Completed				08/08/25	C/Z	SW3546
Soil Extraction for Herbicide	Completed				08/07/25	X/D/K	SW3546
Soil Extraction for PCB	Completed				08/06/25	C/U	SW3546
Soil Extraction for Pesticide	Completed				08/06/25	C/U	SW3546
Soil Extraction for SVOA	Completed				08/08/25	C/Z	SW3546
SPLP Digestion Mercury	Completed				08/06/25	AK/GW	SW1312/SW7470A
SPLP Extraction for Metals	Completed				08/05/25	AK	SW1312
SPLP Inorganic Extraction	Completed				08/05/25	AK	SW1311
Total Metals Digest	Completed				08/05/25	N/AG/BF	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
2,4-D	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
2,4-DB	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
Dalapon	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
Dicamba	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
Dichloroprop	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
Dinoseb	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
MCPA	ND	3300	ug/Kg	2	08/08/25	JRB	SW8151A
MCPP	ND	3300	ug/Kg	2	08/08/25	JRB	SW8151A

QA/QC Surrogates

% DCAA	81		%	2	08/08/25	JRB	30 - 150 %
% DCAA (Confirmation)	86		%	2	08/08/25	JRB	30 - 150 %

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	52	mg/Kg	1	08/09/25	JRB	CTETPH
Identification	ND		mg/Kg	1	08/09/25	JRB	CTETPH

QA/QC Surrogates

% Terphenyl-d14	79		%	1	08/09/25	JRB	50 - 150 %
% Tricosane(C23)	81		%	1	08/09/25	JRB	50 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	70	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1221	ND	70	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1232	ND	70	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1242	ND	70	ug/Kg	2	08/07/25	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1248	ND	70	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1254	ND	70	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1260	ND	70	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1262	ND	70	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1268	ND	70	ug/Kg	2	08/07/25	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	58		%	2	08/07/25	SC	30 - 150 %
% DCBP (Confirmation)	71		%	2	08/07/25	SC	30 - 150 %
% TCMX	65		%	2	08/07/25	SC	30 - 150 %
% TCMX (Confirmation)	60		%	2	08/07/25	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
4,4' -DDE	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
4,4' -DDT	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
a-BHC	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
Alachlor	ND	7.0	ug/Kg	2	08/08/25	KCA	SW8081B
Aldrin	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
b-BHC	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
Chlordane	ND	14	ug/Kg	2	08/08/25	KCA	SW8081B
d-BHC	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
Dieldrin	ND	3.5	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan I	ND	7.0	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan II	ND	7.0	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan sulfate	ND	7.0	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin	ND	7.0	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin aldehyde	ND	7.0	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin ketone	ND	7.0	ug/Kg	2	08/08/25	KCA	SW8081B
g-BHC	ND	0.28	ug/Kg	2	08/08/25	KCA	SW8081B
Heptachlor	ND	7.0	ug/Kg	2	08/08/25	KCA	SW8081B
Heptachlor epoxide	ND	7.0	ug/Kg	2	08/08/25	KCA	SW8081B
Methoxychlor	ND	35	ug/Kg	2	08/08/25	KCA	SW8081B
Toxaphene	ND	140	ug/Kg	2	08/08/25	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	78		%	2	08/08/25	KCA	30 - 150 %
% DCBP (Confirmation)	65		%	2	08/08/25	KCA	30 - 150 %
% TCMX	59		%	2	08/08/25	KCA	30 - 150 %
% TCMX (Confirmation)	57		%	2	08/08/25	KCA	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethane	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.53	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloroethane	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloropropane	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichloropropane	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
2,2-Dichloropropane	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
2-Chlorotoluene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
2-Hexanone	ND	27	ug/Kg	1	08/06/25	JLI	SW8260D
2-Isopropyltoluene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
4-Chlorotoluene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	27	ug/Kg	1	08/06/25	JLI	SW8260D
Acetone	ND	270	ug/Kg	1	08/06/25	JLI	SW8260D
Acrylonitrile	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
Benzene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
Bromobenzene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
Bromochloromethane	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromodichloromethane	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
Bromoform	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
Bromomethane	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon Disulfide	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon tetrachloride	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
Chlorobenzene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroethane	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroform	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
Chloromethane	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromochloromethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromomethane	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
Dichlorodifluoromethane	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
Ethylbenzene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
Hexachlorobutadiene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
Isopropylbenzene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
m&p-Xylene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	32	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Methylene chloride	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Naphthalene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
n-Butylbenzene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
n-Propylbenzene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
o-Xylene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
p-Isopropyltoluene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
sec-Butylbenzene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
Styrene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
tert-Butylbenzene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrachloroethene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	08/06/25	JLI	SW8260D
Toluene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
Total Xylenes	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	1	08/06/25	JLI	SW8260D
Trichloroethene	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorofluoromethane	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	11	ug/Kg	1	08/06/25	JLI	SW8260D
Vinyl chloride	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102		%	1	08/06/25	JLI	70 - 130 %
% Bromofluorobenzene	81		%	1	08/06/25	JLI	70 - 130 %
% Dibromofluoromethane	105		%	1	08/06/25	JLI	70 - 130 %
% Toluene-d8	92		%	1	08/06/25	JLI	70 - 130 %
<u>Oxygenates & Dioxane</u>							
1,4-Dioxane	ND	20	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Diethyl ether	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Di-isopropyl ether	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Ethyl tert-butyl ether	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
tert-amyl methyl ether	ND	5.3	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	50	ug/Kg	1	08/11/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
1,2,4-Trichlorobenzene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
1,2-Dichlorobenzene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
1,3-Dichlorobenzene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
1,4-Dichlorobenzene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dichlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dimethylphenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dinitrotoluene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
2-Chloronaphthalene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
2-Chlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2-Methylnaphthalene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
2-Nitrophenol	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	1	08/11/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
3-Nitroaniline	ND	100	ug/Kg	1	08/11/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	340	ug/Kg	1	08/11/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
4-Chloroaniline	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
4-Nitrophenol	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Acenaphthene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Acenaphthylene	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
Acetophenone	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Aniline	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Anthracene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Benz(a)anthracene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(a)pyrene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(b)fluoranthene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(ghi)perylene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(k)fluoranthene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Benzoic acid	ND	680	ug/Kg	1	08/11/25	MR	SW8270E
Benzyl butyl phthalate	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	340	ug/Kg	1	08/11/25	MR	SW8270E
Carbazole	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
Chrysene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Dibenz(a,h)anthracene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Diethyl phthalate	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Dimethylphthalate	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Di-n-butylphthalate	ND	340	ug/Kg	1	08/11/25	MR	SW8270E
Di-n-octylphthalate	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Fluoranthene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Fluorene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorobenzene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Hexachloroethane	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Isophorone	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Naphthalene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/11/25	MR	SW8270E
Pentachlorophenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
Phenanthrene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Phenol	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
Pyrene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	94		%	1	08/11/25	MR	30 - 130 %
% 2-Fluorobiphenyl	65		%	1	08/11/25	MR	30 - 130 %
% 2-Fluorophenol	63		%	1	08/11/25	MR	30 - 130 %
% Nitrobenzene-d5	66		%	1	08/11/25	MR	30 - 130 %
% Phenol-d5	67		%	1	08/11/25	MR	30 - 130 %
% Terphenyl-d14	64		%	1	08/11/25	MR	30 - 130 %

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

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

Comments:

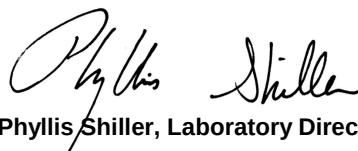
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

August 12, 2025

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.

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

Analysis Report

August 12, 2025

FOR: Attn: Walter Sepelak
HRP Associates Inc.
Farmington Business Center
197 Scott Swamp Rd.
Farmington, CT 06032

Sample Information

Matrix: SOIL
Location Code: HRP-DAS
Rush Request: 5 Day
P.O.#:

Custody Information

Collected by: CL
Received by: SR1
Analyzed by: see "By" below

Date

08/05/25
08/05/25

Time

9:37
15:41

Laboratory Data

SDG ID: GCT92027
Phoenix ID: CT92028

Project ID: CTD5017.FW
Client ID: SB-1 (5-6")

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Arsenic	4.79	0.72	mg/Kg	1	08/06/25	CPP	SW6010D
Barium	34.4	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Beryllium	0.35	0.29	mg/Kg	1	08/06/25	CPP	SW6010D
Cadmium	< 0.36	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Chromium	16.4	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Copper	14.2	0.7	mg/kg	1	08/06/25	CPP	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	08/07/25	ZT	SW7471B
Nickel	13.7	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Lead	10.5	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Antimony	< 2.0	2.0	mg/Kg	1	08/06/25	CPP	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Silver	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Arsenic	< 0.004	0.004	mg/L	1	08/06/25	CPP	SW6010D
SPLP Barium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Beryllium	< 0.001	0.001	mg/L	1	08/06/25	CPP	SW6010D
SPLP Cadmium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Chromium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Copper	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Mercury	< 0.0002	0.0002	mg/L	1	08/06/25	AJ1	SW7470A
SPLP Nickel	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Lead	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Antimony	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Selenium	< 0.020	0.020	mg/L	1	08/06/25	CPP	SW6010D
SPLP Thallium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Trivalent Chromium	< 0.010	0.010	mg/L	1	08/06/25		SW6010D
SPLP Vanadium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Zinc	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 0.8	0.8	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Metals Digestion	Completed				08/06/25	AK/GW	SW3010A
Trivalent Chromium	16.4	0.36	mg/kg	1	08/06/25		CALC 6010-7196
Vanadium	17.5	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Zinc	22.7	0.7	mg/Kg	1	08/06/25	CPP	SW6010D
Percent Solid	95		%		08/05/25	CV	SW846-%Solid
Chromium, Hex. (SW3060A digestion)	< 0.39	0.39	mg/Kg	1	08/06/25	NP	SW7196A
pH at 20C - Soil	7.04	1.00	pH Units	1	08/06/25 01:08	KG	SW846 9045D
Redox Potential	294		mV	1	08/06/25	KG	SM2580B-09
SPLP Hexavalent Chromium	< 0.01	0.01	mg/L	1	08/06/25	IG	SW1312/SW3500CRD
Field Extraction	Completed				08/05/25		SW5035A
Mercury Digestion	Completed				08/06/25	/GW	SW7471B
Extraction of ETPH	Completed				08/08/25	C/Z	SW3546
Soil Extraction for Herbicide	Completed				08/07/25	X/D/K	SW3546
Soil Extraction for PCB	Completed				08/06/25	C/U	SW3546
Soil Extraction for Pesticide	Completed				08/06/25	C/U	SW3546
Soil Extraction for SVOA	Completed				08/08/25	C/Z	SW3546
SPLP Digestion Mercury	Completed				08/06/25	AK/GW	SW1312/SW7470A
SPLP Extraction for Metals	Completed				08/05/25	AK	SW1312
SPLP Inorganic Extraction	Completed				08/05/25	AK	SW1311
Total Metals Digest	Completed				08/05/25	N/AG/BF	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
2,4-D	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
2,4-DB	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
Dalapon	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
Dicamba	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
Dichloroprop	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
Dinoseb	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
MCPA	ND	3300	ug/Kg	2	08/08/25	JRB	SW8151A
MCPP	ND	3300	ug/Kg	2	08/08/25	JRB	SW8151A

QA/QC Surrogates

% DCAA	94		%	2	08/08/25	JRB	30 - 150 %
% DCAA (Confirmation)	92		%	2	08/08/25	JRB	30 - 150 %

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	52	mg/Kg	1	08/09/25	JRB	CTETPH
Identification	ND		mg/Kg	1	08/09/25	JRB	CTETPH

QA/QC Surrogates

% Terphenyl-d14	69		%	1	08/09/25	JRB	50 - 150 %
% Tricosane(C23)	77		%	1	08/09/25	JRB	50 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	68	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1221	ND	68	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1232	ND	68	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1242	ND	68	ug/Kg	2	08/08/25	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1248	ND	68	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1254	ND	68	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1260	ND	68	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1262	ND	68	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1268	ND	68	ug/Kg	2	08/08/25	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	83		%	2	08/08/25	SC	30 - 150 %
% DCBP (Confirmation)	79		%	2	08/08/25	SC	30 - 150 %
% TCMX	65		%	2	08/08/25	SC	30 - 150 %
% TCMX (Confirmation)	68		%	2	08/08/25	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
4,4' -DDE	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
4,4' -DDT	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
a-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Alachlor	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Aldrin	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
b-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Chlordane	ND	14	ug/Kg	2	08/07/25	KCA	SW8081B
d-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Dieldrin	ND	3.4	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan I	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan II	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan sulfate	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin aldehyde	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin ketone	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
g-BHC	ND	0.27	ug/Kg	2	08/07/25	KCA	SW8081B
Heptachlor	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Heptachlor epoxide	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Methoxychlor	ND	34	ug/Kg	2	08/07/25	KCA	SW8081B
Toxaphene	ND	140	ug/Kg	2	08/07/25	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	57		%	2	08/07/25	KCA	30 - 150 %
% DCBP (Confirmation)	40		%	2	08/07/25	KCA	30 - 150 %
% TCMX	67		%	2	08/07/25	KCA	30 - 150 %
% TCMX (Confirmation)	65		%	2	08/07/25	KCA	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethane	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.55	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloroethane	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloropropane	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichloropropane	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
2,2-Dichloropropane	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
2-Chlorotoluene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
2-Hexanone	ND	28	ug/Kg	1	08/06/25	JLI	SW8260D
2-Isopropyltoluene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
4-Chlorotoluene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	28	ug/Kg	1	08/06/25	JLI	SW8260D
Acetone	ND	280	ug/Kg	1	08/06/25	JLI	SW8260D
Acrylonitrile	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
Benzene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
Bromobenzene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
Bromochloromethane	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromodichloromethane	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
Bromoform	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
Bromomethane	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon Disulfide	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon tetrachloride	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
Chlorobenzene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroethane	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroform	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
Chloromethane	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromochloromethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromomethane	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
Dichlorodifluoromethane	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
Ethylbenzene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
Hexachlorobutadiene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
Isopropylbenzene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
m&p-Xylene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	33	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Methylene chloride	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Naphthalene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
n-Butylbenzene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
n-Propylbenzene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
o-Xylene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
p-Isopropyltoluene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
sec-Butylbenzene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
Styrene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
tert-Butylbenzene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrachloroethene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	08/06/25	JLI	SW8260D
Toluene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
Total Xylenes	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	1	08/06/25	JLI	SW8260D
Trichloroethene	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorofluoromethane	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	11	ug/Kg	1	08/06/25	JLI	SW8260D
Vinyl chloride	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	1	08/06/25	JLI	70 - 130 %
% Bromofluorobenzene	91		%	1	08/06/25	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	08/06/25	JLI	70 - 130 %
% Toluene-d8	95		%	1	08/06/25	JLI	70 - 130 %
<u>Oxygenates & Dioxane</u>							
1,4-Dioxane	ND	20	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Diethyl ether	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Di-isopropyl ether	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Ethyl tert-butyl ether	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
tert-amyl methyl ether	ND	5.5	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	50	ug/Kg	1	08/09/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
1,2,4-Trichlorobenzene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
1,2-Dichlorobenzene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
1,3-Dichlorobenzene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
1,4-Dichlorobenzene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dichlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dimethylphenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dinitrotoluene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
2-Chloronaphthalene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
2-Chlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2-Methylnaphthalene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
2-Nitrophenol	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	1	08/09/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
3-Nitroaniline	ND	100	ug/Kg	1	08/09/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	350	ug/Kg	1	08/09/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
4-Chloroaniline	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
4-Nitrophenol	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Acenaphthene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Acenaphthylene	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Acetophenone	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Aniline	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Anthracene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benz(a)anthracene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(a)pyrene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(b)fluoranthene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(ghi)perylene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(k)fluoranthene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benzoic acid	ND	700	ug/Kg	1	08/09/25	MR	SW8270E
Benzyl butyl phthalate	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	350	ug/Kg	1	08/09/25	MR	SW8270E
Carbazole	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Chrysene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Dibenz(a,h)anthracene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Diethyl phthalate	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Dimethylphthalate	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Di-n-butylphthalate	ND	350	ug/Kg	1	08/09/25	MR	SW8270E
Di-n-octylphthalate	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Fluoranthene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Fluorene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorobenzene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Hexachloroethane	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Isophorone	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Naphthalene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/09/25	MR	SW8270E
Pentachlorophenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
Phenanthrene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Phenol	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Pyrene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	77		%	1	08/09/25	MR	30 - 130 %
% 2-Fluorobiphenyl	60		%	1	08/09/25	MR	30 - 130 %
% 2-Fluorophenol	62		%	1	08/09/25	MR	30 - 130 %
% Nitrobenzene-d5	57		%	1	08/09/25	MR	30 - 130 %
% Phenol-d5	63		%	1	08/09/25	MR	30 - 130 %
% Terphenyl-d14	64		%	1	08/09/25	MR	30 - 130 %

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

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

Comments:

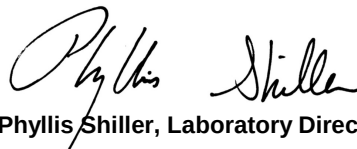
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

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.

Hexavalent Chromium:
This sample is in a reducing state.

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

August 12, 2025

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.

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

Analysis Report

August 12, 2025

FOR: Attn: Walter Sepelak
HRP Associates Inc.
Farmington Business Center
197 Scott Swamp Rd.
Farmington, CT 06032

Sample Information

Matrix: SOIL
Location Code: HRP-DAS
Rush Request: 5 Day
P.O.#:

Custody Information

Collected by: CL
Received by: SR1
Analyzed by: see "By" below

Date

08/05/25
08/05/25

Time

9:40
15:41

Laboratory Data

SDG ID: GCT92027
Phoenix ID: CT92029

Project ID: CTD5017.FW
Client ID: SB-1 (9-10')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.31	0.31	mg/Kg	1	08/06/25	CPP	SW6010D
Arsenic	4.34	0.63	mg/Kg	1	08/06/25	CPP	SW6010D
Barium	27.4	0.31	mg/Kg	1	08/06/25	CPP	SW6010D
Beryllium	< 0.25	0.25	mg/Kg	1	08/06/25	CPP	SW6010D
Cadmium	< 0.31	0.31	mg/Kg	1	08/06/25	CPP	SW6010D
Chromium	14.3	0.31	mg/Kg	1	08/06/25	CPP	SW6010D
Copper	7.7	0.6	mg/kg	1	08/06/25	CPP	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	08/07/25	ZT	SW7471B
Nickel	9.08	0.31	mg/Kg	1	08/06/25	CPP	SW6010D
Lead	9.35	0.31	mg/Kg	1	08/06/25	CPP	SW6010D
Antimony	< 2.0	2.0	mg/Kg	1	08/06/25	CPP	SW6010D
Selenium	< 1.3	1.3	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Silver	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Arsenic	< 0.004	0.004	mg/L	1	08/06/25	CPP	SW6010D
SPLP Barium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Beryllium	< 0.001	0.001	mg/L	1	08/06/25	CPP	SW6010D
SPLP Cadmium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Chromium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Copper	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Mercury	< 0.0002	0.0002	mg/L	1	08/06/25	AJ1	SW7470A
SPLP Nickel	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Lead	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Antimony	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Selenium	< 0.020	0.020	mg/L	1	08/06/25	CPP	SW6010D
SPLP Thallium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Trivalent Chromium	< 0.010	0.010	mg/L	1	08/06/25		SW6010D
SPLP Vanadium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Zinc	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 0.8	0.8	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Metals Digestion	Completed				08/06/25	AK/GW	SW3010A
Trivalent Chromium	14.3	0.31	mg/kg	1	08/06/25		CALC 6010-7196
Vanadium	14.8	0.31	mg/Kg	1	08/06/25	CPP	SW6010D
Zinc	15.8	0.6	mg/Kg	1	08/06/25	CPP	SW6010D
Percent Solid	96		%		08/05/25	CV	SW846-%Solid
Chromium, Hex. (SW3060A digestion	< 0.38	0.38	mg/Kg	1	08/06/25	NP	SW7196A
pH at 20C - Soil	6.80	1.00	pH Units	1	08/06/25 01:08	KG	SW846 9045D
Redox Potential	303		mV	1	08/06/25	KG	SM2580B-09
SPLP Hexavalent Chromium	< 0.01	0.01	mg/L	1	08/06/25	IG	SW1312/SW3500CRD
Field Extraction	Completed				08/05/25		SW5035A
Mercury Digestion	Completed				08/06/25	/GW	SW7471B
Extraction of ETPH	Completed				08/08/25	C/Z	SW3546
Soil Extraction for Herbicide	Completed				08/07/25	X/D/K	SW3546
Soil Extraction for PCB	Completed				08/06/25	C/U	SW3546
Soil Extraction for Pesticide	Completed				08/06/25	C/U	SW3546
Soil Extraction for SVOA	Completed				08/08/25	C/Z	SW3546
SPLP Digestion Mercury	Completed				08/06/25	AK/GW	SW1312/SW7470A
SPLP Extraction for Metals	Completed				08/05/25	AK	SW1312
SPLP Inorganic Extraction	Completed				08/05/25	AK	SW1311
Total Metals Digest	Completed				08/05/25	N/AG/BF	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
2,4-D	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
2,4-DB	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
Dalapon	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
Dicamba	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
Dichloroprop	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
Dinoseb	ND	26	ug/Kg	2	08/08/25	JRB	SW8151A
MCPA	ND	3300	ug/Kg	2	08/08/25	JRB	SW8151A
MCPP	ND	3300	ug/Kg	2	08/08/25	JRB	SW8151A

QA/QC Surrogates

% DCAA	79		%	2	08/08/25	JRB	30 - 150 %
% DCAA (Confirmation)	83		%	2	08/08/25	JRB	30 - 150 %

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	52	mg/Kg	1	08/09/25	JRB	CTETPH
Identification	ND		mg/Kg	1	08/09/25	JRB	CTETPH

QA/QC Surrogates

% Terphenyl-d14	66		%	1	08/09/25	JRB	50 - 150 %
% Tricosane(C23)	72		%	1	08/09/25	JRB	50 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	69	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1221	ND	69	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1232	ND	69	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1242	ND	69	ug/Kg	2	08/08/25	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1248	ND	69	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1254	ND	69	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1260	ND	69	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1262	ND	69	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1268	ND	69	ug/Kg	2	08/08/25	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	66		%	2	08/08/25	SC	30 - 150 %
% DCBP (Confirmation)	65		%	2	08/08/25	SC	30 - 150 %
% TCMX	64		%	2	08/08/25	SC	30 - 150 %
% TCMX (Confirmation)	66		%	2	08/08/25	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
4,4' -DDE	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
4,4' -DDT	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
a-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Alachlor	ND	6.9	ug/Kg	2	08/07/25	KCA	SW8081B
Aldrin	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
b-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Chlordane	ND	14	ug/Kg	2	08/07/25	KCA	SW8081B
d-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Dieldrin	ND	3.4	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan I	ND	6.9	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan II	ND	6.9	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan sulfate	ND	6.9	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin	ND	6.9	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin aldehyde	ND	6.9	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin ketone	ND	6.9	ug/Kg	2	08/07/25	KCA	SW8081B
g-BHC	ND	0.28	ug/Kg	2	08/07/25	KCA	SW8081B
Heptachlor	ND	6.9	ug/Kg	2	08/07/25	KCA	SW8081B
Heptachlor epoxide	ND	6.9	ug/Kg	2	08/07/25	KCA	SW8081B
Methoxychlor	ND	34	ug/Kg	2	08/07/25	KCA	SW8081B
Toxaphene	ND	140	ug/Kg	2	08/07/25	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	46		%	2	08/07/25	KCA	30 - 150 %
% DCBP (Confirmation)	37		%	2	08/07/25	KCA	30 - 150 %
% TCMX	56		%	2	08/07/25	KCA	30 - 150 %
% TCMX (Confirmation)	57		%	2	08/07/25	KCA	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.50	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloroethane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloropropane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichloropropane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
2,2-Dichloropropane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
2-Chlorotoluene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
2-Hexanone	ND	25	ug/Kg	1	08/06/25	JLI	SW8260D
2-Isopropyltoluene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
4-Chlorotoluene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	25	ug/Kg	1	08/06/25	JLI	SW8260D
Acetone	ND	250	ug/Kg	1	08/06/25	JLI	SW8260D
Acrylonitrile	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
Benzene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromobenzene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromochloromethane	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromodichloromethane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromoform	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromomethane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon Disulfide	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon tetrachloride	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
Chlorobenzene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroethane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroform	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
Chloromethane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromochloromethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromomethane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
Dichlorodifluoromethane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
Ethylbenzene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
Hexachlorobutadiene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
Isopropylbenzene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
m&p-Xylene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	30	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Methylene chloride	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Naphthalene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
n-Butylbenzene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
n-Propylbenzene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
o-Xylene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
p-Isopropyltoluene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
sec-Butylbenzene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
Styrene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
tert-Butylbenzene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrachloroethene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Toluene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
Total Xylenes	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Trichloroethene	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorofluoromethane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Vinyl chloride	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	1	08/06/25	JLI	70 - 130 %
% Bromofluorobenzene	90		%	1	08/06/25	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	08/06/25	JLI	70 - 130 %
% Toluene-d8	96		%	1	08/06/25	JLI	70 - 130 %
<u>Oxygenates & Dioxane</u>							
1,4-Dioxane	ND	20	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Diethyl ether	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Di-isopropyl ether	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Ethyl tert-butyl ether	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
tert-amyl methyl ether	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	50	ug/Kg	1	08/09/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
1,2,4-Trichlorobenzene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
1,2-Dichlorobenzene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
1,3-Dichlorobenzene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
1,4-Dichlorobenzene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dichlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dimethylphenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dinitrotoluene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
2-Chloronaphthalene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
2-Chlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2-Methylnaphthalene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
2-Nitrophenol	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	1	08/09/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
3-Nitroaniline	ND	100	ug/Kg	1	08/09/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	340	ug/Kg	1	08/09/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
4-Chloroaniline	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
4-Nitrophenol	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Acenaphthene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Acenaphthylene	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Acetophenone	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Aniline	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Anthracene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benz(a)anthracene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(a)pyrene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(b)fluoranthene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(ghi)perylene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(k)fluoranthene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benzoic acid	ND	680	ug/Kg	1	08/09/25	MR	SW8270E
Benzyl butyl phthalate	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	340	ug/Kg	1	08/09/25	MR	SW8270E
Carbazole	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Chrysene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Dibenz(a,h)anthracene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Diethyl phthalate	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Dimethylphthalate	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Di-n-butylphthalate	ND	340	ug/Kg	1	08/09/25	MR	SW8270E
Di-n-octylphthalate	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Fluoranthene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Fluorene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorobenzene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Hexachloroethane	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Isophorone	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Naphthalene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/09/25	MR	SW8270E
Pentachlorophenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
Phenanthrene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Phenol	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Pyrene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	77		%	1	08/09/25	MR	30 - 130 %
% 2-Fluorobiphenyl	58		%	1	08/09/25	MR	30 - 130 %
% 2-Fluorophenol	60		%	1	08/09/25	MR	30 - 130 %
% Nitrobenzene-d5	56		%	1	08/09/25	MR	30 - 130 %
% Phenol-d5	62		%	1	08/09/25	MR	30 - 130 %
% Terphenyl-d14	63		%	1	08/09/25	MR	30 - 130 %

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

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

Comments:

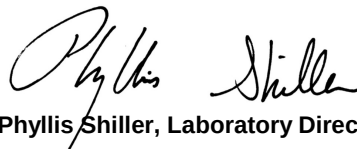
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

August 12, 2025

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.

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

Analysis Report

August 12, 2025

FOR: Attn: Walter Sepelak
HRP Associates Inc.
Farmington Business Center
197 Scott Swamp Rd.
Farmington, CT 06032

Sample Information

Matrix: SOIL
Location Code: HRP-DAS
Rush Request: 5 Day
P.O.#:

Custody Information

Collected by: CL
Received by: SR1
Analyzed by: see "By" below

Date

08/05/25
08/05/25

Time

10:05
15:41

Laboratory Data

SDG ID: GCT92027
Phoenix ID: CT92030

Project ID: CTD5017.FW
Client ID: SB-2 (1-3')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	1	08/06/25	CPP	SW6010D
Arsenic	5.17	0.74	mg/Kg	1	08/06/25	CPP	SW6010D
Barium	30.9	0.37	mg/Kg	1	08/06/25	CPP	SW6010D
Beryllium	< 0.30	0.30	mg/Kg	1	08/06/25	CPP	SW6010D
Cadmium	< 0.37	0.37	mg/Kg	1	08/06/25	CPP	SW6010D
Chromium	21.0	0.37	mg/Kg	1	08/06/25	CPP	SW6010D
Copper	7.5	0.7	mg/kg	1	08/06/25	CPP	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	08/06/25	aj1/ZT	SW7471B
Nickel	15.1	0.37	mg/Kg	1	08/06/25	CPP	SW6010D
Lead	2.74	0.37	mg/Kg	1	08/06/25	CPP	SW6010D
Antimony	< 2.0	2.0	mg/Kg	1	08/06/25	CPP	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Silver	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Arsenic	0.007	0.004	mg/L	1	08/06/25	CPP	SW6010D
SPLP Barium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Beryllium	< 0.001	0.001	mg/L	1	08/06/25	CPP	SW6010D
SPLP Cadmium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Chromium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Copper	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Mercury	< 0.0002	0.0002	mg/L	1	08/06/25	AJ1	SW7470A
SPLP Nickel	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Lead	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Antimony	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Selenium	< 0.020	0.020	mg/L	1	08/06/25	CPP	SW6010D
SPLP Thallium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Trivalent Chromium	< 0.010	0.010	mg/L	1	08/06/25		SW6010D
SPLP Vanadium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Zinc	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 0.8	0.8	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Metals Digestion	Completed				08/06/25	AK/GW	SW3010A
Trivalent Chromium	21.0	0.37	mg/kg	1	08/06/25		CALC 6010-7196
Vanadium	18.6	0.37	mg/Kg	1	08/06/25	CPP	SW6010D
Zinc	19.9	0.7	mg/Kg	1	08/06/25	CPP	SW6010D
Percent Solid	96		%		08/05/25	CV	SW846-%Solid
Chromium, Hex. (SW3060A digestion	< 0.38	0.38	mg/Kg	1	08/06/25	NP	SW7196A
pH at 20C - Soil	8.15	1.00	pH Units	1	08/06/25 01:09	KG	SW846 9045D
Redox Potential	276		mV	1	08/06/25	KG	SM2580B-09
SPLP Hexavalent Chromium	< 0.01	0.01	mg/L	1	08/06/25	IG	SW1312/SW3500CRD
Field Extraction	Completed				08/05/25		SW5035A
Mercury Digestion	Completed				08/06/25	SD/GW	SW7471B
Extraction of ETPH	Completed				08/08/25	C/Z	SW3546
Soil Extraction for Herbicide	Completed				08/07/25	X/D/K	SW3546
Soil Extraction for PCB	Completed				08/06/25	C/U	SW3546
Soil Extraction for Pesticide	Completed				08/06/25	C/U	SW3546
Soil Extraction for SVOA	Completed				08/08/25	C/Z	SW3546
SPLP Digestion Mercury	Completed				08/06/25	AK/GW	SW1312/SW7470A
SPLP Extraction for Metals	Completed				08/05/25	AK	SW1312
SPLP Inorganic Extraction	Completed				08/05/25	AK	SW1311
Total Metals Digest	Completed				08/05/25	N/AG/BF	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	25	ug/Kg	2	08/08/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	25	ug/Kg	2	08/08/25	JRB	SW8151A
2,4-D	ND	25	ug/Kg	2	08/08/25	JRB	SW8151A
2,4-DB	ND	25	ug/Kg	2	08/08/25	JRB	SW8151A
Dalapon	ND	25	ug/Kg	2	08/08/25	JRB	SW8151A
Dicamba	ND	25	ug/Kg	2	08/08/25	JRB	SW8151A
Dichloroprop	ND	25	ug/Kg	2	08/08/25	JRB	SW8151A
Dinoseb	ND	25	ug/Kg	2	08/08/25	JRB	SW8151A
MCPA	ND	3300	ug/Kg	2	08/08/25	JRB	SW8151A
MCPP	ND	3300	ug/Kg	2	08/08/25	JRB	SW8151A

QA/QC Surrogates

% DCAA	79		%	2	08/08/25	JRB	30 - 150 %
% DCAA (Confirmation)	78		%	2	08/08/25	JRB	30 - 150 %

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	51	mg/Kg	1	08/09/25	JRB	CTETPH
Identification	ND		mg/Kg	1	08/09/25	JRB	CTETPH

QA/QC Surrogates

% Terphenyl-d14	78		%	1	08/09/25	JRB	50 - 150 %
% Tricosane(C23)	76		%	1	08/09/25	JRB	50 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1221	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1232	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1242	ND	68	ug/Kg	2	08/07/25	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1248	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1254	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1260	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1262	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1268	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	48		%	2	08/07/25	SC	30 - 150 %
% DCBP (Confirmation)	59		%	2	08/07/25	SC	30 - 150 %
% TCMX	48		%	2	08/07/25	SC	30 - 150 %
% TCMX (Confirmation)	49		%	2	08/07/25	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
4,4' -DDE	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
4,4' -DDT	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
a-BHC	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
Alachlor	ND	6.8	ug/Kg	2	08/08/25	KCA	SW8081B
Aldrin	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
b-BHC	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
Chlordane	ND	14	ug/Kg	2	08/08/25	KCA	SW8081B
d-BHC	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
Dieldrin	ND	3.4	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan I	ND	6.8	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan II	ND	6.8	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan sulfate	ND	6.8	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin	ND	6.8	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin aldehyde	ND	6.8	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin ketone	ND	6.8	ug/Kg	2	08/08/25	KCA	SW8081B
g-BHC	ND	0.27	ug/Kg	2	08/08/25	KCA	SW8081B
Heptachlor	ND	6.8	ug/Kg	2	08/08/25	KCA	SW8081B
Heptachlor epoxide	ND	6.8	ug/Kg	2	08/08/25	KCA	SW8081B
Methoxychlor	ND	34	ug/Kg	2	08/08/25	KCA	SW8081B
Toxaphene	ND	140	ug/Kg	2	08/08/25	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	42		%	2	08/08/25	KCA	30 - 150 %
% DCBP (Confirmation)	29		%	2	08/08/25	KCA	30 - 150 %
% TCMX	48		%	2	08/08/25	KCA	30 - 150 %
% TCMX (Confirmation)	48		%	2	08/08/25	KCA	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.58	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloroethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloropropane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichloropropane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
2,2-Dichloropropane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
2-Chlorotoluene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
2-Hexanone	ND	29	ug/Kg	1	08/06/25	JLI	SW8260D
2-Isopropyltoluene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
4-Chlorotoluene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	29	ug/Kg	1	08/06/25	JLI	SW8260D
Acetone	ND	290	ug/Kg	1	08/06/25	JLI	SW8260D
Acrylonitrile	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Benzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Bromobenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Bromochloromethane	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromodichloromethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Bromoform	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Bromomethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon Disulfide	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon tetrachloride	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Chlorobenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroform	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Chloromethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromochloromethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromomethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Dichlorodifluoromethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Ethylbenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Hexachlorobutadiene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Isopropylbenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
m&p-Xylene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	35	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Methylene chloride	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Naphthalene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
n-Butylbenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
n-Propylbenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
o-Xylene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
p-Isopropyltoluene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
sec-Butylbenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Styrene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
tert-Butylbenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrachloroethene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	08/06/25	JLI	SW8260D
Toluene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Total Xylenes	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	08/06/25	JLI	SW8260D
Trichloroethene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorofluoromethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	12	ug/Kg	1	08/06/25	JLI	SW8260D
Vinyl chloride	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	1	08/06/25	JLI	70 - 130 %
% Bromofluorobenzene	93		%	1	08/06/25	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	08/06/25	JLI	70 - 130 %
% Toluene-d8	94		%	1	08/06/25	JLI	70 - 130 %
<u>Oxygenates & Dioxane</u>							
1,4-Dioxane	ND	20	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Diethyl ether	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Di-isopropyl ether	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Ethyl tert-butyl ether	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
tert-amyl methyl ether	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	50	ug/Kg	1	08/09/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
1,2,4-Trichlorobenzene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
1,2-Dichlorobenzene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
1,3-Dichlorobenzene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
1,4-Dichlorobenzene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dichlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dimethylphenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dinitrotoluene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
2-Chloronaphthalene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
2-Chlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2-Methylnaphthalene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
2-Nitrophenol	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	1	08/09/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
3-Nitroaniline	ND	100	ug/Kg	1	08/09/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	340	ug/Kg	1	08/09/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
4-Chloroaniline	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
4-Nitrophenol	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Acenaphthene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Acenaphthylene	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Acetophenone	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Aniline	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Anthracene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benz(a)anthracene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(a)pyrene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(b)fluoranthene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(ghi)perylene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(k)fluoranthene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benzoic acid	ND	680	ug/Kg	1	08/09/25	MR	SW8270E
Benzyl butyl phthalate	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	340	ug/Kg	1	08/09/25	MR	SW8270E
Carbazole	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Chrysene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Dibenz(a,h)anthracene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Diethyl phthalate	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Dimethylphthalate	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Di-n-butylphthalate	ND	340	ug/Kg	1	08/09/25	MR	SW8270E
Di-n-octylphthalate	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Fluoranthene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Fluorene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorobenzene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Hexachloroethane	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Isophorone	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Naphthalene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/09/25	MR	SW8270E
Pentachlorophenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
Phenanthrene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Phenol	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Pyrene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	80		%	1	08/09/25	MR	30 - 130 %
% 2-Fluorobiphenyl	59		%	1	08/09/25	MR	30 - 130 %
% 2-Fluorophenol	61		%	1	08/09/25	MR	30 - 130 %
% Nitrobenzene-d5	55		%	1	08/09/25	MR	30 - 130 %
% Phenol-d5	62		%	1	08/09/25	MR	30 - 130 %
% Terphenyl-d14	66		%	1	08/09/25	MR	30 - 130 %

3 = This parameter exceeds laboratory specified limits.

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

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

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

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.

Hexavalent Chromium:
This sample is in a reducing state.

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

August 12, 2025

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.

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

Analysis Report

August 12, 2025

FOR: Attn: Walter Sepelak
HRP Associates Inc.
Farmington Business Center
197 Scott Swamp Rd.
Farmington, CT 06032

Sample Information

Matrix: SOIL
Location Code: HRP-DAS
Rush Request: 5 Day
P.O.#:

Custody Information

Collected by: CL
Received by: SR1
Analyzed by: see "By" below

Date

08/05/25
08/05/25

Time

10:16
15:41

Laboratory Data

SDG ID: GCT92027
Phoenix ID: CT92031

Project ID: CTD5017.FW
Client ID: SB-2 (5-6.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Arsenic	7.38	0.71	mg/Kg	1	08/06/25	CPP	SW6010D
Barium	35.1	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Beryllium	< 0.29	0.29	mg/Kg	1	08/06/25	CPP	SW6010D
Cadmium	< 0.36	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Chromium	17.9	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Copper	5.6	0.7	mg/kg	1	08/06/25	CPP	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	08/06/25	aj1/ZT	SW7471B
Nickel	10.0	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Lead	2.35	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Antimony	< 2.0	2.0	mg/Kg	1	08/06/25	CPP	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Silver	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Arsenic	0.005	0.004	mg/L	1	08/06/25	CPP	SW6010D
SPLP Barium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Beryllium	< 0.001	0.001	mg/L	1	08/06/25	CPP	SW6010D
SPLP Cadmium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Chromium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Copper	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Mercury	< 0.0002	0.0002	mg/L	1	08/06/25	AJ1	SW7470A
SPLP Nickel	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Lead	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Antimony	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Selenium	< 0.020	0.020	mg/L	1	08/06/25	CPP	SW6010D
SPLP Thallium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Trivalent Chromium	< 0.010	0.010	mg/L	1	08/06/25		SW6010D
SPLP Vanadium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Zinc	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 0.8	0.8	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Metals Digestion	Completed				08/06/25	AK/GW	SW3010A
Trivalent Chromium	17.9	0.36	mg/kg	1	08/06/25		CALC 6010-7196
Vanadium	13.4	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Zinc	13.3	0.7	mg/Kg	1	08/06/25	CPP	SW6010D
Percent Solid	91		%		08/05/25	CV	SW846-%Solid
Chromium, Hex. (SW3060A digestion	< 0.41	0.41	mg/Kg	1	08/06/25	NP	SW7196A
pH at 20C - Soil	7.23	1.00	pH Units	1	08/06/25 01:09	KG	SW846 9045D
Redox Potential	289		mV	1	08/06/25	KG	SM2580B-09
SPLP Hexavalent Chromium	< 0.01	0.01	mg/L	1	08/06/25	IG	SW1312/SW3500CRD
Field Extraction	Completed				08/05/25		SW5035A
Mercury Digestion	Completed				08/06/25	SD/GW	SW7471B
Extraction of ETPH	Completed				08/08/25	C/Z	SW3546
Soil Extraction for Herbicide	Completed				08/07/25	X/D/K	SW3546
Soil Extraction for PCB	Completed				08/06/25	C/U	SW3546
Soil Extraction for Pesticide	Completed				08/06/25	C/U	SW3546
Soil Extraction for SVOA	Completed				08/08/25	C/Z	SW3546
SPLP Digestion Mercury	Completed				08/06/25	AK/GW	SW1312/SW7470A
SPLP Extraction for Metals	Completed				08/05/25	AK	SW1312
SPLP Inorganic Extraction	Completed				08/05/25	AK	SW1311
Total Metals Digest	Completed				08/05/25	N/AG/BF	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	27	ug/Kg	2	08/08/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	27	ug/Kg	2	08/08/25	JRB	SW8151A
2,4-D	ND	27	ug/Kg	2	08/08/25	JRB	SW8151A
2,4-DB	ND	27	ug/Kg	2	08/08/25	JRB	SW8151A
Dalapon	ND	27	ug/Kg	2	08/08/25	JRB	SW8151A
Dicamba	ND	27	ug/Kg	2	08/08/25	JRB	SW8151A
Dichloroprop	ND	27	ug/Kg	2	08/08/25	JRB	SW8151A
Dinoseb	ND	27	ug/Kg	2	08/08/25	JRB	SW8151A
MCPA	ND	3300	ug/Kg	2	08/08/25	JRB	SW8151A
MCPP	ND	3300	ug/Kg	2	08/08/25	JRB	SW8151A

QA/QC Surrogates

% DCAA	75		%	2	08/08/25	JRB	30 - 150 %
% DCAA (Confirmation)	75		%	2	08/08/25	JRB	30 - 150 %

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	54	mg/Kg	1	08/09/25	JRB	CTETPH
Identification	ND		mg/Kg	1	08/09/25	JRB	CTETPH

QA/QC Surrogates

% Terphenyl-d14	70		%	1	08/09/25	JRB	50 - 150 %
% Tricosane(C23)	75		%	1	08/09/25	JRB	50 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	72	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1221	ND	72	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1232	ND	72	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1242	ND	72	ug/Kg	2	08/07/25	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1248	ND	72	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1254	ND	72	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1260	ND	72	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1262	ND	72	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1268	ND	72	ug/Kg	2	08/07/25	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	52		%	2	08/07/25	SC	30 - 150 %
% DCBP (Confirmation)	69		%	2	08/07/25	SC	30 - 150 %
% TCMX	61		%	2	08/07/25	SC	30 - 150 %
% TCMX (Confirmation)	55		%	2	08/07/25	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
4,4' -DDE	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
4,4' -DDT	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
a-BHC	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
Alachlor	ND	7.2	ug/Kg	2	08/08/25	KCA	SW8081B
Aldrin	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
b-BHC	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
Chlordane	ND	14	ug/Kg	2	08/08/25	KCA	SW8081B
d-BHC	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
Dieldrin	ND	3.6	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan I	ND	7.2	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan II	ND	7.2	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan sulfate	ND	7.2	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin	ND	7.2	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin aldehyde	ND	7.2	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin ketone	ND	7.2	ug/Kg	2	08/08/25	KCA	SW8081B
g-BHC	ND	0.29	ug/Kg	2	08/08/25	KCA	SW8081B
Heptachlor	ND	7.2	ug/Kg	2	08/08/25	KCA	SW8081B
Heptachlor epoxide	ND	7.2	ug/Kg	2	08/08/25	KCA	SW8081B
Methoxychlor	ND	36	ug/Kg	2	08/08/25	KCA	SW8081B
Toxaphene	ND	140	ug/Kg	2	08/08/25	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	53		%	2	08/08/25	KCA	30 - 150 %
% DCBP (Confirmation)	37		%	2	08/08/25	KCA	30 - 150 %
% TCMX	61		%	2	08/08/25	KCA	30 - 150 %
% TCMX (Confirmation)	62		%	2	08/08/25	KCA	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.63	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloropropane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichloropropane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
2,2-Dichloropropane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
2-Chlorotoluene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
2-Hexanone	ND	31	ug/Kg	1	08/06/25	JLI	SW8260D
2-Isopropyltoluene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
4-Chlorotoluene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	31	ug/Kg	1	08/06/25	JLI	SW8260D
Acetone	ND	310	ug/Kg	1	08/06/25	JLI	SW8260D
Acrylonitrile	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Benzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Bromobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Bromochloromethane	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromodichloromethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Bromoform	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Bromomethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon Disulfide	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon tetrachloride	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Chlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroform	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Chloromethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromochloromethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromomethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Dichlorodifluoromethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Ethylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Hexachlorobutadiene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Isopropylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
m&p-Xylene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	38	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Methylene chloride	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Naphthalene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
n-Butylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
n-Propylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
o-Xylene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
p-Isopropyltoluene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
sec-Butylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Styrene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
tert-Butylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrachloroethene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	13	ug/Kg	1	08/06/25	JLI	SW8260D
Toluene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Total Xylenes	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	1	08/06/25	JLI	SW8260D
Trichloroethene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorofluoromethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	13	ug/Kg	1	08/06/25	JLI	SW8260D
Vinyl chloride	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98		%	1	08/06/25	JLI	70 - 130 %
% Bromofluorobenzene	94		%	1	08/06/25	JLI	70 - 130 %
% Dibromofluoromethane	105		%	1	08/06/25	JLI	70 - 130 %
% Toluene-d8	95		%	1	08/06/25	JLI	70 - 130 %
<u>Oxygenates & Dioxane</u>							
1,4-Dioxane	ND	20	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Diethyl ether	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Di-isopropyl ether	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Ethyl tert-butyl ether	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
tert-amyl methyl ether	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	50	ug/Kg	1	08/09/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
1,2,4-Trichlorobenzene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
1,2-Dichlorobenzene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
1,3-Dichlorobenzene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
1,4-Dichlorobenzene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dichlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dimethylphenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dinitrotoluene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
2-Chloronaphthalene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
2-Chlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2-Methylnaphthalene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
2-Nitrophenol	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	1	08/09/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
3-Nitroaniline	ND	100	ug/Kg	1	08/09/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	360	ug/Kg	1	08/09/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
4-Chloroaniline	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
4-Nitrophenol	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Acenaphthene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Acenaphthylene	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Acetophenone	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Aniline	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Anthracene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Benz(a)anthracene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(a)pyrene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(b)fluoranthene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(ghi)perylene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(k)fluoranthene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Benzoic acid	ND	720	ug/Kg	1	08/09/25	MR	SW8270E
Benzyl butyl phthalate	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	360	ug/Kg	1	08/09/25	MR	SW8270E
Carbazole	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Chrysene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Dibenz(a,h)anthracene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Diethyl phthalate	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Dimethylphthalate	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Di-n-butylphthalate	ND	360	ug/Kg	1	08/09/25	MR	SW8270E
Di-n-octylphthalate	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Fluoranthene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Fluorene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorobenzene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Hexachloroethane	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Isophorone	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Naphthalene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/09/25	MR	SW8270E
Pentachlorophenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
Phenanthrene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Phenol	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Pyrene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	78		%	1	08/09/25	MR	30 - 130 %
% 2-Fluorobiphenyl	60		%	1	08/09/25	MR	30 - 130 %
% 2-Fluorophenol	61		%	1	08/09/25	MR	30 - 130 %
% Nitrobenzene-d5	57		%	1	08/09/25	MR	30 - 130 %
% Phenol-d5	63		%	1	08/09/25	MR	30 - 130 %
% Terphenyl-d14	65		%	1	08/09/25	MR	30 - 130 %

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

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

Comments:

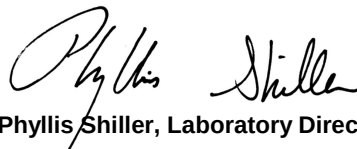
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

August 12, 2025

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.

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

Analysis Report

August 12, 2025

FOR: Attn: Walter Sepelak
HRP Associates Inc.
Farmington Business Center
197 Scott Swamp Rd.
Farmington, CT 06032

Sample Information

Matrix: SOIL
Location Code: HRP-DAS
Rush Request: 5 Day
P.O.#:

Custody Information

Collected by: CL
Received by: SR1
Analyzed by: see "By" below

Date

08/05/25
08/05/25

Time

10:21
15:41

Laboratory Data

SDG ID: GCT92027
Phoenix ID: CT92032

Project ID: CTD5017.FW
Client ID: SB-2 (8-10')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	1	08/06/25	CPP	SW6010D
Arsenic	5.27	0.71	mg/Kg	1	08/06/25	CPP	SW6010D
Barium	50.1	0.35	mg/Kg	1	08/06/25	CPP	SW6010D
Beryllium	0.28	0.28	mg/Kg	1	08/06/25	CPP	SW6010D
Cadmium	< 0.35	0.35	mg/Kg	1	08/06/25	CPP	SW6010D
Chromium	27.5	0.35	mg/Kg	1	08/06/25	CPP	SW6010D
Copper	15.4	0.7	mg/kg	1	08/06/25	CPP	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	08/06/25	aj1/ZT	SW7471B
Nickel	20.6	0.35	mg/Kg	1	08/06/25	CPP	SW6010D
Lead	6.13	0.35	mg/Kg	1	08/06/25	CPP	SW6010D
Antimony	< 2.0	2.0	mg/Kg	1	08/06/25	CPP	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Silver	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Arsenic	0.006	0.004	mg/L	1	08/06/25	CPP	SW6010D
SPLP Barium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Beryllium	< 0.001	0.001	mg/L	1	08/06/25	CPP	SW6010D
SPLP Cadmium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Chromium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Copper	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Mercury	< 0.0002	0.0002	mg/L	1	08/06/25	AJ1	SW7470A
SPLP Nickel	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Lead	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Antimony	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Selenium	< 0.020	0.020	mg/L	1	08/06/25	CPP	SW6010D
SPLP Thallium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Trivalent Chromium	< 0.010	0.010	mg/L	1	08/06/25		SW6010D
SPLP Vanadium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Zinc	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 0.8	0.8	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Metals Digestion	Completed				08/06/25	AK/GW	SW3010A
Trivalent Chromium	27.5	0.35	mg/kg	1	08/07/25		CALC 6010-7196
Vanadium	23.5	0.35	mg/Kg	1	08/06/25	CPP	SW6010D
Zinc	27.1	0.7	mg/Kg	1	08/06/25	CPP	SW6010D
Percent Solid	93		%		08/05/25	CV	SW846-%Solid
Chromium, Hex. (SW3060A digestion)	< 0.38	0.38	mg/Kg	1	08/07/25	NP	SW7196A
pH at 20C - Soil	10.4	1.00	pH Units	1	08/06/25 01:09	KG	SW846 9045D
Redox Potential	156		mV	1	08/06/25	KG	SM2580B-09
SPLP Hexavalent Chromium	< 0.01	0.01	mg/L	1	08/06/25	IG	SW1312/SW3500CRD
Field Extraction	Completed				08/05/25		SW5035A
Mercury Digestion	Completed				08/06/25	SD/GW	SW7471B
Extraction of ETPH	Completed				08/08/25	C/Z	SW3546
Soil Extraction for Herbicide	Completed				08/07/25	X/D/K	SW3546
Soil Extraction for PCB	Completed				08/06/25	C/U	SW3546
Soil Extraction for Pesticide	Completed				08/06/25	C/U	SW3546
Soil Extraction for SVOA	Completed				08/08/25	C/Z	SW3546
SPLP Digestion Mercury	Completed				08/06/25	AK/GW	SW1312/SW7470A
SPLP Extraction for Metals	Completed				08/05/25	AK	SW1312
SPLP Inorganic Extraction	Completed				08/05/25	AK	SW1311
Total Metals Digest	Completed				08/05/25	N/AG/BF	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	27	ug/Kg	2	08/09/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	27	ug/Kg	2	08/09/25	JRB	SW8151A
2,4-D	ND	27	ug/Kg	2	08/09/25	JRB	SW8151A
2,4-DB	ND	27	ug/Kg	2	08/09/25	JRB	SW8151A
Dalapon	ND	27	ug/Kg	2	08/09/25	JRB	SW8151A
Dicamba	ND	27	ug/Kg	2	08/09/25	JRB	SW8151A
Dichloroprop	ND	27	ug/Kg	2	08/09/25	JRB	SW8151A
Dinoseb	ND	27	ug/Kg	2	08/09/25	JRB	SW8151A
MCPA	ND	3300	ug/Kg	2	08/09/25	JRB	SW8151A
MCPP	ND	3300	ug/Kg	2	08/09/25	JRB	SW8151A

QA/QC Surrogates

% DCAA	75		%	2	08/09/25	JRB	30 - 150 %
% DCAA (Confirmation)	84		%	2	08/09/25	JRB	30 - 150 %

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	53	mg/Kg	1	08/09/25	JRB	CTETPH
Identification	ND		mg/Kg	1	08/09/25	JRB	CTETPH

QA/QC Surrogates

% Terphenyl-d14	63		%	1	08/09/25	JRB	50 - 150 %
% Tricosane(C23)	62		%	1	08/09/25	JRB	50 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1221	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1232	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1242	ND	71	ug/Kg	2	08/08/25	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1248	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1254	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1260	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1262	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1268	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	64		%	2	08/08/25	SC	30 - 150 %
% DCBP (Confirmation)	60		%	2	08/08/25	SC	30 - 150 %
% TCMX	50		%	2	08/08/25	SC	30 - 150 %
% TCMX (Confirmation)	51		%	2	08/08/25	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
4,4' -DDE	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
4,4' -DDT	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
a-BHC	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
Alachlor	ND	7.1	ug/Kg	2	08/08/25	KCA	SW8081B
Aldrin	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
b-BHC	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
Chlordane	ND	14	ug/Kg	2	08/08/25	KCA	SW8081B
d-BHC	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
Dieldrin	ND	3.6	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan I	ND	7.1	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan II	ND	7.1	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan sulfate	ND	7.1	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin	ND	7.1	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin aldehyde	ND	7.1	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin ketone	ND	7.1	ug/Kg	2	08/08/25	KCA	SW8081B
g-BHC	ND	0.28	ug/Kg	2	08/08/25	KCA	SW8081B
Heptachlor	ND	7.1	ug/Kg	2	08/08/25	KCA	SW8081B
Heptachlor epoxide	ND	7.1	ug/Kg	2	08/08/25	KCA	SW8081B
Methoxychlor	ND	36	ug/Kg	2	08/08/25	KCA	SW8081B
Toxaphene	ND	140	ug/Kg	2	08/08/25	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	64		%	2	08/08/25	KCA	30 - 150 %
% DCBP (Confirmation)	47		%	2	08/08/25	KCA	30 - 150 %
% TCMX	52		%	2	08/08/25	KCA	30 - 150 %
% TCMX (Confirmation)	48		%	2	08/08/25	KCA	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethane	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.56	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloroethane	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloropropane	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichloropropane	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
2,2-Dichloropropane	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
2-Chlorotoluene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
2-Hexanone	ND	28	ug/Kg	1	08/06/25	JLI	SW8260D
2-Isopropyltoluene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
4-Chlorotoluene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	28	ug/Kg	1	08/06/25	JLI	SW8260D
Acetone	ND	280	ug/Kg	1	08/06/25	JLI	SW8260D
Acrylonitrile	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
Benzene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
Bromobenzene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
Bromochloromethane	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromodichloromethane	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
Bromoform	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
Bromomethane	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon Disulfide	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon tetrachloride	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
Chlorobenzene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroethane	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroform	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
Chloromethane	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromochloromethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromomethane	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
Dichlorodifluoromethane	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
Ethylbenzene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
Hexachlorobutadiene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
Isopropylbenzene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
m&p-Xylene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	34	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Methylene chloride	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Naphthalene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
n-Butylbenzene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
n-Propylbenzene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
o-Xylene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
p-Isopropyltoluene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
sec-Butylbenzene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
Styrene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
tert-Butylbenzene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrachloroethene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	08/06/25	JLI	SW8260D
Toluene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
Total Xylenes	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	1	08/06/25	JLI	SW8260D
Trichloroethene	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorofluoromethane	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	11	ug/Kg	1	08/06/25	JLI	SW8260D
Vinyl chloride	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	96		%	1	08/06/25	JLI	70 - 130 %
% Bromofluorobenzene	90		%	1	08/06/25	JLI	70 - 130 %
% Dibromofluoromethane	94		%	1	08/06/25	JLI	70 - 130 %
% Toluene-d8	94		%	1	08/06/25	JLI	70 - 130 %
<u>Oxygenates & Dioxane</u>							
1,4-Dioxane	ND	20	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Diethyl ether	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Di-isopropyl ether	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Ethyl tert-butyl ether	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
tert-amyl methyl ether	ND	5.6	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	50	ug/Kg	1	08/11/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
1,2,4-Trichlorobenzene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
1,2-Dichlorobenzene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
1,3-Dichlorobenzene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
1,4-Dichlorobenzene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dichlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dimethylphenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dinitrotoluene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
2-Chloronaphthalene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
2-Chlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2-Methylnaphthalene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
2-Nitrophenol	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	1	08/11/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
3-Nitroaniline	ND	100	ug/Kg	1	08/11/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	350	ug/Kg	1	08/11/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
4-Chloroaniline	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
4-Nitrophenol	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Acenaphthene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Acenaphthylene	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
Acetophenone	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Aniline	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Anthracene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Benz(a)anthracene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(a)pyrene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(b)fluoranthene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(ghi)perylene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(k)fluoranthene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Benzoic acid	ND	700	ug/Kg	1	08/11/25	MR	SW8270E
Benzyl butyl phthalate	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	350	ug/Kg	1	08/11/25	MR	SW8270E
Carbazole	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
Chrysene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Dibenz(a,h)anthracene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Diethyl phthalate	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Dimethylphthalate	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Di-n-butylphthalate	ND	350	ug/Kg	1	08/11/25	MR	SW8270E
Di-n-octylphthalate	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Fluoranthene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Fluorene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorobenzene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Hexachloroethane	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Isophorone	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Naphthalene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/11/25	MR	SW8270E
Pentachlorophenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
Phenanthrene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Phenol	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
Pyrene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	84		%	1	08/11/25	MR	30 - 130 %
% 2-Fluorobiphenyl	62		%	1	08/11/25	MR	30 - 130 %
% 2-Fluorophenol	60		%	1	08/11/25	MR	30 - 130 %
% Nitrobenzene-d5	63		%	1	08/11/25	MR	30 - 130 %
% Phenol-d5	63		%	1	08/11/25	MR	30 - 130 %
% Terphenyl-d14	63		%	1	08/11/25	MR	30 - 130 %

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

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

Comments:

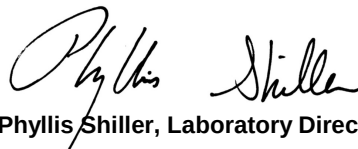
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

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.

Hexavalent Chromium:
This sample is in a reducing state.

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

August 12, 2025

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.

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

Analysis Report

August 12, 2025

FOR: Attn: Walter Sepelak
HRP Associates Inc.
Farmington Business Center
197 Scott Swamp Rd.
Farmington, CT 06032

Sample Information

Matrix: SOIL
Location Code: HRP-DAS
Rush Request: 5 Day
P.O.#:

Custody Information

Collected by: CL
Received by: SR1
Analyzed by: see "By" below

Date

08/05/25
08/05/25

Time

10:47
15:41

Laboratory Data

SDG ID: GCT92027
Phoenix ID: CT92033

Project ID: CTD5017.FW
Client ID: SB-3 (1.5-3.0`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Arsenic	7.38	0.67	mg/Kg	1	08/06/25	CPP	SW6010D
Barium	35.3	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Beryllium	0.31	0.27	mg/Kg	1	08/06/25	CPP	SW6010D
Cadmium	< 0.34	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Chromium	19.2	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Copper	11.6	0.7	mg/kg	1	08/06/25	CPP	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	08/06/25	aj1/ZT	SW7471B
Nickel	12.6	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Lead	13.0	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Antimony	< 2.0	2.0	mg/Kg	1	08/06/25	CPP	SW6010D
Selenium	< 1.3	1.3	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Silver	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Arsenic	0.008	0.004	mg/L	1	08/06/25	CPP	SW6010D
SPLP Barium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Beryllium	< 0.001	0.001	mg/L	1	08/06/25	CPP	SW6010D
SPLP Cadmium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Chromium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Copper	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Mercury	< 0.0002	0.0002	mg/L	1	08/06/25	AJ1	SW7470A
SPLP Nickel	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Lead	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Antimony	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Selenium	< 0.020	0.020	mg/L	1	08/06/25	CPP	SW6010D
SPLP Thallium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Trivalent Chromium	< 0.010	0.010	mg/L	1	08/06/25		SW6010D
SPLP Vanadium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Zinc	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 0.8	0.8	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Metals Digestion	Completed				08/06/25	AK/GW	SW3010A
Trivalent Chromium	19.2	0.34	mg/kg	1	08/07/25		CALC 6010-7196
Vanadium	18.3	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Zinc	27.7	0.7	mg/Kg	1	08/06/25	CPP	SW6010D
Percent Solid	93		%		08/05/25	CV	SW846-%Solid
Chromium, Hex. (SW3060A digestion)	< 0.39	0.39	mg/Kg	1	08/07/25	NP	SW7196A
pH at 20C - Soil	8.80	1.00	pH Units	1	08/06/25 01:09	KG	SW846 9045D
Redox Potential	210		mV	1	08/06/25	KG	SM2580B-09
SPLP Hexavalent Chromium	< 0.01	0.01	mg/L	1	08/06/25	IG	SW1312/SW3500CRD
Field Extraction	Completed				08/05/25		SW5035A
Mercury Digestion	Completed				08/06/25	SD/GW	SW7471B
Extraction of ETPH	Completed				08/08/25	C/Z	SW3546
Soil Extraction for Herbicide	Completed				08/07/25	X/D/K	SW3546
Soil Extraction for PCB	Completed				08/06/25	C/U	SW3546
Soil Extraction for Pesticide	Completed				08/06/25	C/U	SW3546
Soil Extraction for SVOA	Completed				08/08/25	C/Z	SW3546
SPLP Digestion Mercury	Completed				08/06/25	AK/GW	SW1312/SW7470A
SPLP Extraction for Metals	Completed				08/05/25	AK	SW1312
SPLP Inorganic Extraction	Completed				08/05/25	AK	SW1311
Total Metals Digest	Completed				08/05/25	N/AG/BF	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	27	ug/Kg	2	08/09/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	27	ug/Kg	2	08/09/25	JRB	SW8151A
2,4-D	ND	27	ug/Kg	2	08/09/25	JRB	SW8151A
2,4-DB	ND	27	ug/Kg	2	08/09/25	JRB	SW8151A
Dalapon	ND	27	ug/Kg	2	08/09/25	JRB	SW8151A
Dicamba	ND	27	ug/Kg	2	08/09/25	JRB	SW8151A
Dichloroprop	ND	27	ug/Kg	2	08/09/25	JRB	SW8151A
Dinoseb	ND	27	ug/Kg	2	08/09/25	JRB	SW8151A
MCPA	ND	3300	ug/Kg	2	08/09/25	JRB	SW8151A
MCPP	ND	3300	ug/Kg	2	08/09/25	JRB	SW8151A

QA/QC Surrogates

% DCAA	70		%	2	08/09/25	JRB	30 - 150 %
% DCAA (Confirmation)	72		%	2	08/09/25	JRB	30 - 150 %

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	53	mg/Kg	1	08/09/25	JRB	CTETPH
Identification	ND		mg/Kg	1	08/09/25	JRB	CTETPH

QA/QC Surrogates

% Terphenyl-d14	65		%	1	08/09/25	JRB	50 - 150 %
% Tricosane(C23)	62		%	1	08/09/25	JRB	50 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	70	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1221	ND	70	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1232	ND	70	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1242	ND	70	ug/Kg	2	08/08/25	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1248	ND	70	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1254	ND	70	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1260	ND	70	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1262	ND	70	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1268	ND	70	ug/Kg	2	08/08/25	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	55		%	2	08/08/25	SC	30 - 150 %
% DCBP (Confirmation)	53		%	2	08/08/25	SC	30 - 150 %
% TCMX	45		%	2	08/08/25	SC	30 - 150 %
% TCMX (Confirmation)	48		%	2	08/08/25	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
4,4' -DDE	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
4,4' -DDT	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
a-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Alachlor	ND	7.0	ug/Kg	2	08/07/25	KCA	SW8081B
Aldrin	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
b-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Chlordane	ND	14	ug/Kg	2	08/07/25	KCA	SW8081B
d-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Dieldrin	ND	3.5	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan I	ND	7.0	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan II	ND	7.0	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan sulfate	ND	7.0	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin	ND	7.0	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin aldehyde	ND	7.0	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin ketone	ND	7.0	ug/Kg	2	08/07/25	KCA	SW8081B
g-BHC	ND	0.28	ug/Kg	2	08/07/25	KCA	SW8081B
Heptachlor	ND	7.0	ug/Kg	2	08/07/25	KCA	SW8081B
Heptachlor epoxide	ND	7.0	ug/Kg	2	08/07/25	KCA	SW8081B
Methoxychlor	ND	35	ug/Kg	2	08/07/25	KCA	SW8081B
Toxaphene	ND	140	ug/Kg	2	08/07/25	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	63		%	2	08/07/25	KCA	30 - 150 %
% DCBP (Confirmation)	49		%	2	08/07/25	KCA	30 - 150 %
% TCMX	53		%	2	08/07/25	KCA	30 - 150 %
% TCMX (Confirmation)	44		%	2	08/07/25	KCA	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.52	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloroethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloropropane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichloropropane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
2,2-Dichloropropane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
2-Chlorotoluene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
2-Hexanone	ND	26	ug/Kg	1	08/06/25	JLI	SW8260D
2-Isopropyltoluene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
4-Chlorotoluene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	26	ug/Kg	1	08/06/25	JLI	SW8260D
Acetone	ND	260	ug/Kg	1	08/06/25	JLI	SW8260D
Acrylonitrile	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Benzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Bromobenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Bromochloromethane	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromodichloromethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Bromoform	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Bromomethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon Disulfide	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon tetrachloride	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Chlorobenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroform	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Chloromethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromochloromethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromomethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Dichlorodifluoromethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Ethylbenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Hexachlorobutadiene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Isopropylbenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
m&p-Xylene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	31	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Methylene chloride	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Naphthalene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
n-Butylbenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
n-Propylbenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
o-Xylene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
p-Isopropyltoluene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
sec-Butylbenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Styrene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
tert-Butylbenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrachloroethene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Toluene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Total Xylenes	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Trichloroethene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorofluoromethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Vinyl chloride	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101		%	1	08/06/25	JLI	70 - 130 %
% Bromofluorobenzene	78		%	1	08/06/25	JLI	70 - 130 %
% Dibromofluoromethane	107		%	1	08/06/25	JLI	70 - 130 %
% Toluene-d8	92		%	1	08/06/25	JLI	70 - 130 %
<u>Oxygenates & Dioxane</u>							
1,4-Dioxane	ND	20	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Diethyl ether	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Di-isopropyl ether	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Ethyl tert-butyl ether	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
tert-amyl methyl ether	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	50	ug/Kg	1	08/11/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
1,2,4-Trichlorobenzene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
1,2-Dichlorobenzene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
1,3-Dichlorobenzene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
1,4-Dichlorobenzene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dichlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dimethylphenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dinitrotoluene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
2-Chloronaphthalene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
2-Chlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2-Methylnaphthalene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
2-Nitrophenol	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	1	08/11/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
3-Nitroaniline	ND	100	ug/Kg	1	08/11/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	350	ug/Kg	1	08/11/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
4-Chloroaniline	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
4-Nitrophenol	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Acenaphthene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Acenaphthylene	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
Acetophenone	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Aniline	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Anthracene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Benz(a)anthracene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(a)pyrene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(b)fluoranthene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(ghi)perylene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(k)fluoranthene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Benzoic acid	ND	690	ug/Kg	1	08/11/25	MR	SW8270E
Benzyl butyl phthalate	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	350	ug/Kg	1	08/11/25	MR	SW8270E
Carbazole	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
Chrysene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Dibenz(a,h)anthracene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Diethyl phthalate	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Dimethylphthalate	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Di-n-butylphthalate	ND	350	ug/Kg	1	08/11/25	MR	SW8270E
Di-n-octylphthalate	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Fluoranthene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Fluorene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorobenzene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Hexachloroethane	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Isophorone	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Naphthalene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/11/25	MR	SW8270E
Pentachlorophenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
Phenanthrene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Phenol	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
Pyrene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	97		%	1	08/11/25	MR	30 - 130 %
% 2-Fluorobiphenyl	65		%	1	08/11/25	MR	30 - 130 %
% 2-Fluorophenol	64		%	1	08/11/25	MR	30 - 130 %
% Nitrobenzene-d5	67		%	1	08/11/25	MR	30 - 130 %
% Phenol-d5	68		%	1	08/11/25	MR	30 - 130 %
% Terphenyl-d14	67		%	1	08/11/25	MR	30 - 130 %

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

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

Comments:

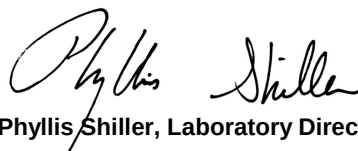
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

August 12, 2025

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.

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

Analysis Report

August 12, 2025

FOR: Attn: Walter Sepelak
HRP Associates Inc.
Farmington Business Center
197 Scott Swamp Rd.
Farmington, CT 06032

Sample Information

Matrix: SOIL
Location Code: HRP-DAS
Rush Request: 5 Day
P.O.#:

Custody Information

Collected by: CL
Received by: SR1
Analyzed by: see "By" below

Date

08/05/25
08/05/25

Time

11:00
15:41

Laboratory Data

SDG ID: GCT92027
Phoenix ID: CT92034

Project ID: CTD5017.FW
Client ID: SB-3 (5-6.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Arsenic	2.45	0.68	mg/Kg	1	08/06/25	CPP	SW6010D
Barium	53.9	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Beryllium	< 0.27	0.27	mg/Kg	1	08/06/25	CPP	SW6010D
Cadmium	< 0.34	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Chromium	25.0	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Copper	13.2	0.7	mg/kg	1	08/06/25	CPP	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	08/06/25	aj1/ZT	SW7471B
Nickel	15.8	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Lead	5.20	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Antimony	< 2.0	2.0	mg/Kg	1	08/06/25	CPP	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Silver	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Arsenic	< 0.004	0.004	mg/L	1	08/06/25	CPP	SW6010D
SPLP Barium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Beryllium	< 0.001	0.001	mg/L	1	08/06/25	CPP	SW6010D
SPLP Cadmium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Chromium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Copper	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Mercury	< 0.0002	0.0002	mg/L	1	08/06/25	AJ1	SW7470A
SPLP Nickel	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Lead	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Antimony	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Selenium	< 0.020	0.020	mg/L	1	08/06/25	CPP	SW6010D
SPLP Thallium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Trivalent Chromium	< 0.010	0.010	mg/L	1	08/06/25		SW6010D
SPLP Vanadium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Zinc	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 0.8	0.8	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Metals Digestion	Completed				08/06/25	AK/GW	SW3010A
Trivalent Chromium	25.0	0.34	mg/kg	1	08/07/25		CALC 6010-7196
Vanadium	26.3	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Zinc	30.3	0.7	mg/Kg	1	08/06/25	CPP	SW6010D
Percent Solid	96		%		08/05/25	CV	SW846-%Solid
Chromium, Hex. (SW3060A digestion	< 0.40	0.40	mg/Kg	1	08/07/25	NP	SW7196A
pH at 20C - Soil	9.06	1.00	pH Units	1	08/06/25 01:10	KG	SW846 9045D
Redox Potential	187		mV	1	08/06/25	KG	SM2580B-09
SPLP Hexavalent Chromium	< 0.01	0.01	mg/L	1	08/06/25	IG	SW1312/SW3500CRD
Field Extraction	Completed				08/05/25		SW5035A
Mercury Digestion	Completed				08/06/25	SD/GW	SW7471B
Extraction of ETPH	Completed				08/08/25	S/DS	SW3546
Soil Extraction for Herbicide	Completed				08/08/25	X/MQ	SW3546
Soil Extraction for PCB	Completed				08/06/25	C/U	SW3546
Soil Extraction for Pesticide	Completed				08/06/25	C/U	SW3546
Soil Extraction for SVOA	Completed				08/08/25	C/Z	SW3546
SPLP Digestion Mercury	Completed				08/06/25	AK/GW	SW1312/SW7470A
SPLP Extraction for Metals	Completed				08/05/25	AK	SW1312
SPLP Inorganic Extraction	Completed				08/05/25	AK	SW1311
Total Metals Digest	Completed				08/05/25	N/AG/BF	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	25	ug/Kg	2	08/11/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	25	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-D	ND	25	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-DB	ND	25	ug/Kg	2	08/11/25	JRB	SW8151A
Dalapon	ND	25	ug/Kg	2	08/11/25	JRB	SW8151A
Dicamba	ND	25	ug/Kg	2	08/11/25	JRB	SW8151A
Dichloroprop	ND	25	ug/Kg	2	08/11/25	JRB	SW8151A
Dinoseb	ND	25	ug/Kg	2	08/11/25	JRB	SW8151A
MCPA	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A
MCPP	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A

QA/QC Surrogates

% DCAA	81		%	2	08/11/25	JRB	30 - 150 %
% DCAA (Confirmation)	63		%	2	08/11/25	JRB	30 - 150 %

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	290	250	mg/Kg	5	08/11/25	JRB	CTETPH
Identification	**		mg/Kg	5	08/11/25	JRB	CTETPH

QA/QC Surrogates

% Terphenyl-d14	81		%	5	08/11/25	JRB	50 - 150 %
% Tricosane(C23)	88		%	5	08/11/25	JRB	50 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1221	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1232	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1242	ND	68	ug/Kg	2	08/07/25	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1248	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1254	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1260	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1262	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1268	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	46		%	2	08/07/25	SC	30 - 150 %
% DCBP (Confirmation)	56		%	2	08/07/25	SC	30 - 150 %
% TCMX	46		%	2	08/07/25	SC	30 - 150 %
% TCMX (Confirmation)	46		%	2	08/07/25	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
4,4' -DDE	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
4,4' -DDT	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
a-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Alachlor	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Aldrin	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
b-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Chlordane	ND	14	ug/Kg	2	08/07/25	KCA	SW8081B
d-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Dieldrin	ND	3.4	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan I	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan II	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan sulfate	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin aldehyde	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin ketone	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
g-BHC	ND	0.27	ug/Kg	2	08/07/25	KCA	SW8081B
Heptachlor	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Heptachlor epoxide	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Methoxychlor	ND	34	ug/Kg	2	08/07/25	KCA	SW8081B
Toxaphene	ND	140	ug/Kg	2	08/07/25	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	37		%	2	08/07/25	KCA	30 - 150 %
% DCBP (Confirmation)	28		%	2	08/07/25	KCA	30 - 150 %
% TCMX	45		%	2	08/07/25	KCA	30 - 150 %
% TCMX (Confirmation)	44		%	2	08/07/25	KCA	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethane	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.61	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloroethane	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloropropane	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichloropropane	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
2,2-Dichloropropane	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
2-Chlorotoluene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
2-Hexanone	ND	31	ug/Kg	1	08/06/25	JLI	SW8260D
2-Isopropyltoluene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
4-Chlorotoluene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	31	ug/Kg	1	08/06/25	JLI	SW8260D
Acetone	ND	310	ug/Kg	1	08/06/25	JLI	SW8260D
Acrylonitrile	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
Benzene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
Bromobenzene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
Bromochloromethane	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromodichloromethane	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
Bromoform	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
Bromomethane	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon Disulfide	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon tetrachloride	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
Chlorobenzene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroethane	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroform	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
Chloromethane	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromochloromethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromomethane	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
Dichlorodifluoromethane	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
Ethylbenzene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
Hexachlorobutadiene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
Isopropylbenzene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
m&p-Xylene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	37	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Methylene chloride	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Naphthalene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
n-Butylbenzene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
n-Propylbenzene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
o-Xylene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
p-Isopropyltoluene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
sec-Butylbenzene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
Styrene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
tert-Butylbenzene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrachloroethene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	08/06/25	JLI	SW8260D
Toluene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
Total Xylenes	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	08/06/25	JLI	SW8260D
Trichloroethene	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorofluoromethane	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	12	ug/Kg	1	08/06/25	JLI	SW8260D
Vinyl chloride	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98		%	1	08/06/25	JLI	70 - 130 %
% Bromofluorobenzene	93		%	1	08/06/25	JLI	70 - 130 %
% Dibromofluoromethane	104		%	1	08/06/25	JLI	70 - 130 %
% Toluene-d8	98		%	1	08/06/25	JLI	70 - 130 %
<u>Oxygenates & Dioxane</u>							
1,4-Dioxane	ND	20	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Diethyl ether	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Di-isopropyl ether	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Ethyl tert-butyl ether	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
tert-amyl methyl ether	ND	6.1	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	50	ug/Kg	1	08/11/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
1,2,4-Trichlorobenzene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
1,2-Dichlorobenzene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
1,3-Dichlorobenzene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
1,4-Dichlorobenzene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dichlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dimethylphenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dinitrotoluene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
2-Chloronaphthalene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
2-Chlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2-Methylnaphthalene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
2-Nitrophenol	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	1	08/11/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
3-Nitroaniline	ND	100	ug/Kg	1	08/11/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	340	ug/Kg	1	08/11/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
4-Chloroaniline	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
4-Nitrophenol	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Acenaphthene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Acenaphthylene	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
Acetophenone	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Aniline	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Anthracene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Benz(a)anthracene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(a)pyrene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(b)fluoranthene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(ghi)perylene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(k)fluoranthene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Benzoic acid	ND	680	ug/Kg	1	08/11/25	MR	SW8270E
Benzyl butyl phthalate	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	340	ug/Kg	1	08/11/25	MR	SW8270E
Carbazole	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
Chrysene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Dibenz(a,h)anthracene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Diethyl phthalate	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Dimethylphthalate	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Di-n-butylphthalate	ND	340	ug/Kg	1	08/11/25	MR	SW8270E
Di-n-octylphthalate	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Fluoranthene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Fluorene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorobenzene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Hexachloroethane	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Isophorone	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Naphthalene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/11/25	MR	SW8270E
Pentachlorophenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
Phenanthrene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Phenol	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
Pyrene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	63		%	1	08/11/25	MR	30 - 130 %
% 2-Fluorobiphenyl	64		%	1	08/11/25	MR	30 - 130 %
% 2-Fluorophenol	61		%	1	08/11/25	MR	30 - 130 %
% Nitrobenzene-d5	64		%	1	08/11/25	MR	30 - 130 %
% Phenol-d5	65		%	1	08/11/25	MR	30 - 130 %
% Terphenyl-d14	65		%	1	08/11/25	MR	30 - 130 %

3 = This parameter exceeds laboratory specified limits.

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

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

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

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.

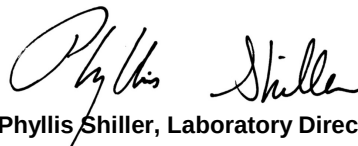
Hexavalent Chromium:
This sample is in a reducing state.

TPH Comment:

**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C19 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

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

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



Phyllis Shiller, Laboratory Director

August 12, 2025

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.

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

Analysis Report

August 12, 2025

FOR: Attn: Walter Sepelak
HRP Associates Inc.
Farmington Business Center
197 Scott Swamp Rd.
Farmington, CT 06032

Sample Information

Matrix: SOIL
Location Code: HRP-DAS
Rush Request: 5 Day
P.O.#:

Custody Information

Collected by: CL
Received by: SR1
Analyzed by: see "By" below

Date

08/05/25
08/05/25

Time

11:05
15:41

Laboratory Data

SDG ID: GCT92027
Phoenix ID: CT92035

Project ID: CTD5017.FW
Client ID: SB-3 (8.5-10`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Arsenic	2.53	0.73	mg/Kg	1	08/06/25	CPP	SW6010D
Barium	52.1	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Beryllium	< 0.29	0.29	mg/Kg	1	08/06/25	CPP	SW6010D
Cadmium	< 0.36	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Chromium	19.5	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Copper	8.6	0.7	mg/kg	1	08/06/25	CPP	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	08/06/25	aj1/ZT	SW7471B
Nickel	11.2	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Lead	2.61	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Antimony	< 2.0	2.0	mg/Kg	1	08/06/25	CPP	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Silver	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Arsenic	< 0.004	0.004	mg/L	1	08/06/25	CPP	SW6010D
SPLP Barium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Beryllium	< 0.001	0.001	mg/L	1	08/06/25	CPP	SW6010D
SPLP Cadmium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Chromium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Copper	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Mercury	< 0.0002	0.0002	mg/L	1	08/06/25	AJ1	SW7470A
SPLP Nickel	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Lead	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Antimony	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Selenium	< 0.020	0.020	mg/L	1	08/06/25	CPP	SW6010D
SPLP Thallium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Trivalent Chromium	< 0.010	0.010	mg/L	1	08/06/25		SW6010D
SPLP Vanadium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Zinc	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 0.8	0.8	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Metals Digestion	Completed				08/06/25	AK/GW	SW3010A
Trivalent Chromium	19.5	0.36	mg/kg	1	08/08/25		CALC 6010-7196
Vanadium	21.4	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Zinc	21.2	0.7	mg/Kg	1	08/06/25	CPP	SW6010D
Percent Solid	94		%		08/05/25	CV	SW846-%Solid
Chromium, Hex. (SW3060A digestion	< 0.40	0.40	mg/Kg	1	08/08/25	NP	SW7196A
pH at 20C - Soil	8.36	1.00	pH Units	1	08/06/25 01:10	KG	SW846 9045D
Redox Potential	217		mV	1	08/06/25	KG	SM2580B-09
SPLP Hexavalent Chromium	< 0.01	0.01	mg/L	1	08/06/25	IG	SW1312/SW3500CRD
Field Extraction	Completed				08/05/25		SW5035A
Mercury Digestion	Completed				08/06/25	SD/GW	SW7471B
Extraction of ETPH	Completed				08/08/25	S/DS	SW3546
Soil Extraction for Herbicide	Completed				08/08/25	X/MQ	SW3546
Soil Extraction for PCB	Completed				08/06/25	C/U	SW3546
Soil Extraction for Pesticide	Completed				08/06/25	C/U	SW3546
Soil Extraction for SVOA	Completed				08/08/25	S/Q	SW3546
SPLP Digestion Mercury	Completed				08/06/25	AK/GW	SW1312/SW7470A
SPLP Extraction for Metals	Completed				08/05/25	AK	SW1312
SPLP Inorganic Extraction	Completed				08/05/25	AK	SW1311
Total Metals Digest	Completed				08/05/25	N/AG/BF	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-D	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-DB	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
Dalapon	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
Dicamba	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
Dichloroprop	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
Dinoseb	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
MCPA	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A
MCPP	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A

QA/QC Surrogates

% DCAA	71		%	2	08/11/25	JRB	30 - 150 %
% DCAA (Confirmation)	56		%	2	08/11/25	JRB	30 - 150 %

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	53	mg/Kg	1	08/11/25	JRB	CTETPH
Identification	ND		mg/Kg	1	08/11/25	JRB	CTETPH

QA/QC Surrogates

% Terphenyl-d14	87		%	1	08/11/25	JRB	50 - 150 %
% Tricosane(C23)	91		%	1	08/11/25	JRB	50 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	70	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1221	ND	70	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1232	ND	70	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1242	ND	70	ug/Kg	2	08/07/25	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1248	ND	70	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1254	ND	70	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1260	ND	70	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1262	ND	70	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1268	ND	70	ug/Kg	2	08/07/25	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	58		%	2	08/07/25	SC	30 - 150 %
% DCBP (Confirmation)	73		%	2	08/07/25	SC	30 - 150 %
% TCMX	63		%	2	08/07/25	SC	30 - 150 %
% TCMX (Confirmation)	61		%	2	08/07/25	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.4	ug/Kg	2	08/07/25	JL	SW8081B
4,4' -DDE	ND	1.4	ug/Kg	2	08/07/25	JL	SW8081B
4,4' -DDT	ND	1.4	ug/Kg	2	08/07/25	JL	SW8081B
a-BHC	ND	1.4	ug/Kg	2	08/07/25	JL	SW8081B
Alachlor	ND	7.0	ug/Kg	2	08/07/25	JL	SW8081B
Aldrin	ND	1.4	ug/Kg	2	08/07/25	JL	SW8081B
b-BHC	ND	1.4	ug/Kg	2	08/07/25	JL	SW8081B
Chlordane	ND	14	ug/Kg	2	08/07/25	JL	SW8081B
d-BHC	ND	1.4	ug/Kg	2	08/07/25	JL	SW8081B
Dieldrin	ND	3.5	ug/Kg	2	08/07/25	JL	SW8081B
Endosulfan I	ND	7.0	ug/Kg	2	08/07/25	JL	SW8081B
Endosulfan II	ND	7.0	ug/Kg	2	08/07/25	JL	SW8081B
Endosulfan sulfate	ND	7.0	ug/Kg	2	08/07/25	JL	SW8081B
Endrin	ND	7.0	ug/Kg	2	08/07/25	JL	SW8081B
Endrin aldehyde	ND	7.0	ug/Kg	2	08/07/25	JL	SW8081B
Endrin ketone	ND	7.0	ug/Kg	2	08/07/25	JL	SW8081B
g-BHC	ND	0.28	ug/Kg	2	08/07/25	JL	SW8081B
Heptachlor	ND	7.0	ug/Kg	2	08/07/25	JL	SW8081B
Heptachlor epoxide	ND	7.0	ug/Kg	2	08/07/25	JL	SW8081B
Methoxychlor	ND	35	ug/Kg	2	08/07/25	JL	SW8081B
Toxaphene	ND	140	ug/Kg	2	08/07/25	JL	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	55		%	2	08/07/25	JL	30 - 150 %
% DCBP (Confirmation)	36		%	2	08/07/25	JL	30 - 150 %
% TCMX	62		%	2	08/07/25	JL	30 - 150 %
% TCMX (Confirmation)	60		%	2	08/07/25	JL	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethane	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.54	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloroethane	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloropropane	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichloropropane	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
2,2-Dichloropropane	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
2-Chlorotoluene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
2-Hexanone	ND	27	ug/Kg	1	08/06/25	JLI	SW8260D
2-Isopropyltoluene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
4-Chlorotoluene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	27	ug/Kg	1	08/06/25	JLI	SW8260D
Acetone	ND	270	ug/Kg	1	08/06/25	JLI	SW8260D
Acrylonitrile	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
Benzene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
Bromobenzene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
Bromochloromethane	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromodichloromethane	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
Bromoform	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
Bromomethane	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon Disulfide	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon tetrachloride	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
Chlorobenzene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroethane	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroform	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
Chloromethane	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromochloromethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromomethane	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
Dichlorodifluoromethane	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
Ethylbenzene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
Hexachlorobutadiene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
Isopropylbenzene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
m&p-Xylene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	33	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Methylene chloride	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Naphthalene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
n-Butylbenzene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
n-Propylbenzene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
o-Xylene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
p-Isopropyltoluene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
sec-Butylbenzene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
Styrene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
tert-Butylbenzene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrachloroethene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	08/06/25	JLI	SW8260D
Toluene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
Total Xylenes	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	1	08/06/25	JLI	SW8260D
Trichloroethene	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorofluoromethane	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	11	ug/Kg	1	08/06/25	JLI	SW8260D
Vinyl chloride	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	97		%	1	08/06/25	JLI	70 - 130 %
% Bromofluorobenzene	94		%	1	08/06/25	JLI	70 - 130 %
% Dibromofluoromethane	105		%	1	08/06/25	JLI	70 - 130 %
% Toluene-d8	97		%	1	08/06/25	JLI	70 - 130 %
<u>Oxygenates & Dioxane</u>							
1,4-Dioxane	ND	20	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Diethyl ether	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Di-isopropyl ether	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Ethyl tert-butyl ether	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
tert-amyl methyl ether	ND	5.4	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	50	ug/Kg	1	08/09/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
1,2,4-Trichlorobenzene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
1,2-Dichlorobenzene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
1,3-Dichlorobenzene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
1,4-Dichlorobenzene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dichlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dimethylphenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dinitrotoluene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
2-Chloronaphthalene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
2-Chlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2-Methylnaphthalene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
2-Nitrophenol	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	1	08/09/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
3-Nitroaniline	ND	100	ug/Kg	1	08/09/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	350	ug/Kg	1	08/09/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
4-Chloroaniline	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
4-Nitrophenol	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Acenaphthene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Acenaphthylene	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Acetophenone	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Aniline	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Anthracene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Benz(a)anthracene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(a)pyrene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(b)fluoranthene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(ghi)perylene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(k)fluoranthene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Benzoic acid	ND	710	ug/Kg	1	08/09/25	MR	SW8270E
Benzyl butyl phthalate	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	350	ug/Kg	1	08/09/25	MR	SW8270E
Carbazole	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Chrysene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Dibenz(a,h)anthracene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Diethyl phthalate	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Dimethylphthalate	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Di-n-butylphthalate	ND	350	ug/Kg	1	08/09/25	MR	SW8270E
Di-n-octylphthalate	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Fluoranthene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Fluorene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorobenzene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Hexachloroethane	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Isophorone	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Naphthalene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/09/25	MR	SW8270E
Pentachlorophenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
Phenanthrene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Phenol	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Pyrene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	76		%	1	08/09/25	MR	30 - 130 %
% 2-Fluorobiphenyl	55		%	1	08/09/25	MR	30 - 130 %
% 2-Fluorophenol	59		%	1	08/09/25	MR	30 - 130 %
% Nitrobenzene-d5	68		%	1	08/09/25	MR	30 - 130 %
% Phenol-d5	61		%	1	08/09/25	MR	30 - 130 %
% Terphenyl-d14	67		%	1	08/09/25	MR	30 - 130 %

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

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

Comments:

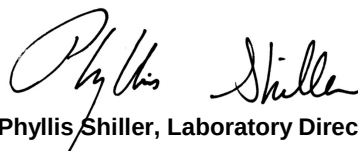
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

August 12, 2025

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.

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

Analysis Report

August 12, 2025

FOR: Attn: Walter Sepelak
HRP Associates Inc.
Farmington Business Center
197 Scott Swamp Rd.
Farmington, CT 06032

Sample Information

Matrix: SOIL
Location Code: HRP-DAS
Rush Request: 5 Day
P.O.#:

Custody Information

Collected by: CL
Received by: SR1
Analyzed by: see "By" below

Date

08/05/25
08/05/25

Time

11:25
15:41

Laboratory Data

SDG ID: GCT92027
Phoenix ID: CT92036

Project ID: CTD5017.FW
Client ID: SB-4 (1.5-3')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.33	0.33	mg/Kg	1	08/06/25	CPP	SW6010D
Arsenic	3.32	0.65	mg/Kg	1	08/06/25	CPP	SW6010D
Barium	32.2	0.33	mg/Kg	1	08/06/25	CPP	SW6010D
Beryllium	< 0.26	0.26	mg/Kg	1	08/06/25	CPP	SW6010D
Cadmium	< 0.33	0.33	mg/Kg	1	08/06/25	CPP	SW6010D
Chromium	14.3	0.33	mg/Kg	1	08/06/25	CPP	SW6010D
Copper	8.6	0.7	mg/kg	1	08/06/25	CPP	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	08/06/25	aj1/ZT	SW7471B
Nickel	9.54	0.33	mg/Kg	1	08/06/25	CPP	SW6010D
Lead	9.61	0.33	mg/Kg	1	08/06/25	CPP	SW6010D
Antimony	< 2.0	2.0	mg/Kg	1	08/06/25	CPP	SW6010D
Selenium	< 1.3	1.3	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Silver	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Arsenic	< 0.004	0.004	mg/L	1	08/06/25	CPP	SW6010D
SPLP Barium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Beryllium	< 0.001	0.001	mg/L	1	08/06/25	CPP	SW6010D
SPLP Cadmium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Chromium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Copper	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Mercury	< 0.0002	0.0002	mg/L	1	08/06/25	AJ1	SW7470A
SPLP Nickel	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Lead	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Antimony	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Selenium	< 0.020	0.020	mg/L	1	08/06/25	CPP	SW6010D
SPLP Thallium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Trivalent Chromium	< 0.010	0.010	mg/L	1	08/06/25		SW6010D
SPLP Vanadium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Zinc	0.049	0.010	mg/L	1	08/06/25	CPP	SW6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 0.8	0.8	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Metals Digestion	Completed				08/06/25	AK/GW	SW3010A
Trivalent Chromium	14.3	0.33	mg/kg	1	08/08/25		CALC 6010-7196
Vanadium	17.6	0.33	mg/Kg	1	08/06/25	CPP	SW6010D
Zinc	21.2	0.7	mg/Kg	1	08/06/25	CPP	SW6010D
Percent Solid	96		%		08/05/25	CV	SW846-%Solid
Chromium, Hex. (SW3060A digestion	< 0.39	0.39	mg/Kg	1	08/08/25	NP	SW7196A
pH at 20C - Soil	8.59	1.00	pH Units	1	08/06/25 01:10	KG	SW846 9045D
Redox Potential	249		mV	1	08/06/25	KG	SM2580B-09
SPLP Hexavalent Chromium	< 0.01	0.01	mg/L	1	08/06/25	IG	SW1312/SW3500CRD
Field Extraction	Completed				08/05/25		SW5035A
Mercury Digestion	Completed				08/06/25	SD/GW	SW7471B
Extraction of ETPH	Completed				08/08/25	S/DS	SW3546
Soil Extraction for Herbicide	Completed				08/08/25	X/MQ	SW3546
Soil Extraction for PCB	Completed				08/06/25	S/Q	SW3546
Soil Extraction for Pesticide	Completed				08/06/25	S/Q	SW3546
Soil Extraction for SVOA	Completed				08/08/25	S/Q	SW3546
SPLP Digestion Mercury	Completed				08/06/25	AK/GW	SW1312/SW7470A
SPLP Extraction for Metals	Completed				08/05/25	AK	SW1312
SPLP Inorganic Extraction	Completed				08/05/25	AK	SW1311
Total Metals Digest	Completed				08/05/25	N/AG/BF	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	25	ug/Kg	2	08/11/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	25	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-D	ND	25	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-DB	ND	25	ug/Kg	2	08/11/25	JRB	SW8151A
Dalapon	ND	25	ug/Kg	2	08/11/25	JRB	SW8151A
Dicamba	ND	25	ug/Kg	2	08/11/25	JRB	SW8151A
Dichloroprop	ND	25	ug/Kg	2	08/11/25	JRB	SW8151A
Dinoseb	ND	25	ug/Kg	2	08/11/25	JRB	SW8151A
MCPA	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A
MCPP	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A

QA/QC Surrogates

% DCAA	58		%	2	08/11/25	JRB	30 - 150 %
% DCAA (Confirmation)	46		%	2	08/11/25	JRB	30 - 150 %

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	52	mg/Kg	1	08/11/25	JRB	CTETPH
Identification	ND		mg/Kg	1	08/11/25	JRB	CTETPH

QA/QC Surrogates

% Terphenyl-d14	81		%	1	08/11/25	JRB	50 - 150 %
% Tricosane(C23)	85		%	1	08/11/25	JRB	50 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1221	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1232	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1242	ND	68	ug/Kg	2	08/07/25	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1248	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1254	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1260	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1262	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1268	ND	68	ug/Kg	2	08/07/25	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	87		%	2	08/07/25	SC	30 - 150 %
% DCBP (Confirmation)	91		%	2	08/07/25	SC	30 - 150 %
% TCMX	87		%	2	08/07/25	SC	30 - 150 %
% TCMX (Confirmation)	74		%	2	08/07/25	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
4,4' -DDE	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
4,4' -DDT	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
a-BHC	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
Alachlor	ND	6.8	ug/Kg	2	08/08/25	KCA	SW8081B
Aldrin	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
b-BHC	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
Chlordane	ND	14	ug/Kg	2	08/08/25	KCA	SW8081B
d-BHC	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
Dieldrin	ND	3.4	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan I	ND	6.8	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan II	ND	6.8	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan sulfate	ND	6.8	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin	ND	6.8	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin aldehyde	ND	6.8	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin ketone	ND	6.8	ug/Kg	2	08/08/25	KCA	SW8081B
g-BHC	ND	0.27	ug/Kg	2	08/08/25	KCA	SW8081B
Heptachlor	ND	6.8	ug/Kg	2	08/08/25	KCA	SW8081B
Heptachlor epoxide	ND	6.8	ug/Kg	2	08/08/25	KCA	SW8081B
Methoxychlor	ND	34	ug/Kg	2	08/08/25	KCA	SW8081B
Toxaphene	ND	140	ug/Kg	2	08/08/25	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	79		%	2	08/08/25	KCA	30 - 150 %
% DCBP (Confirmation)	54		%	2	08/08/25	KCA	30 - 150 %
% TCMX	85		%	2	08/08/25	KCA	30 - 150 %
% TCMX (Confirmation)	96		%	2	08/08/25	KCA	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.52	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloroethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloropropane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichloropropane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
2,2-Dichloropropane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
2-Chlorotoluene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
2-Hexanone	ND	26	ug/Kg	1	08/06/25	JLI	SW8260D
2-Isopropyltoluene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
4-Chlorotoluene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	26	ug/Kg	1	08/06/25	JLI	SW8260D
Acetone	ND	260	ug/Kg	1	08/06/25	JLI	SW8260D
Acrylonitrile	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Benzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Bromobenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Bromochloromethane	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromodichloromethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Bromoform	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Bromomethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon Disulfide	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon tetrachloride	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Chlorobenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroform	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Chloromethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromochloromethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromomethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Dichlorodifluoromethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Ethylbenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Hexachlorobutadiene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Isopropylbenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
m&p-Xylene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	31	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Methylene chloride	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Naphthalene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
n-Butylbenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
n-Propylbenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
o-Xylene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
p-Isopropyltoluene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
sec-Butylbenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Styrene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
tert-Butylbenzene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrachloroethene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Toluene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Total Xylenes	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Trichloroethene	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorofluoromethane	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Vinyl chloride	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98		%	1	08/06/25	JLI	70 - 130 %
% Bromofluorobenzene	93		%	1	08/06/25	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	08/06/25	JLI	70 - 130 %
% Toluene-d8	97		%	1	08/06/25	JLI	70 - 130 %
<u>Oxygenates & Dioxane</u>							
1,4-Dioxane	ND	20	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Diethyl ether	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Di-isopropyl ether	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Ethyl tert-butyl ether	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
tert-amyl methyl ether	ND	5.2	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	50	ug/Kg	1	08/09/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
1,2,4-Trichlorobenzene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
1,2-Dichlorobenzene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
1,3-Dichlorobenzene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
1,4-Dichlorobenzene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dichlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dimethylphenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dinitrotoluene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
2-Chloronaphthalene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
2-Chlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2-Methylnaphthalene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
2-Nitrophenol	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	1	08/09/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
3-Nitroaniline	ND	100	ug/Kg	1	08/09/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	340	ug/Kg	1	08/09/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
4-Chloroaniline	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
4-Nitrophenol	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Acenaphthene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Acenaphthylene	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Acetophenone	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Aniline	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Anthracene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benz(a)anthracene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(a)pyrene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(b)fluoranthene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(ghi)perylene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(k)fluoranthene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benzoic acid	ND	690	ug/Kg	1	08/09/25	MR	SW8270E
Benzyl butyl phthalate	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	340	ug/Kg	1	08/09/25	MR	SW8270E
Carbazole	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Chrysene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Dibenz(a,h)anthracene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Diethyl phthalate	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Dimethylphthalate	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Di-n-butylphthalate	ND	340	ug/Kg	1	08/09/25	MR	SW8270E
Di-n-octylphthalate	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Fluoranthene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Fluorene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorobenzene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Hexachloroethane	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Isophorone	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Naphthalene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/09/25	MR	SW8270E
Pentachlorophenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
Phenanthrene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Phenol	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Pyrene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	75		%	1	08/09/25	MR	30 - 130 %
% 2-Fluorobiphenyl	54		%	1	08/09/25	MR	30 - 130 %
% 2-Fluorophenol	60		%	1	08/09/25	MR	30 - 130 %
% Nitrobenzene-d5	68		%	1	08/09/25	MR	30 - 130 %
% Phenol-d5	62		%	1	08/09/25	MR	30 - 130 %
% Terphenyl-d14	68		%	1	08/09/25	MR	30 - 130 %

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

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

Comments:

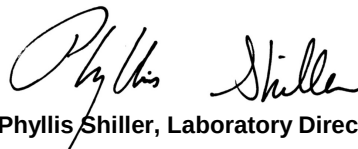
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

August 12, 2025

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.

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

Analysis Report

August 12, 2025

FOR: Attn: Walter Sepelak
HRP Associates Inc.
Farmington Business Center
197 Scott Swamp Rd.
Farmington, CT 06032

Sample Information

Matrix: SOIL
Location Code: HRP-DAS
Rush Request: 5 Day
P.O.#:

Custody Information

Collected by: CL
Received by: SR1
Analyzed by: see "By" below

Date

08/05/25
08/05/25

Time

11:33
15:41

Laboratory Data

SDG ID: GCT92027
Phoenix ID: CT92037

Project ID: CTD5017.FW
Client ID: SB-4 (5-6.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.32	0.32	mg/Kg	1	08/06/25	CPP	SW6010D
Arsenic	4.46	0.64	mg/Kg	1	08/06/25	CPP	SW6010D
Barium	34.8	0.32	mg/Kg	1	08/06/25	CPP	SW6010D
Beryllium	0.30	0.26	mg/Kg	1	08/06/25	CPP	SW6010D
Cadmium	< 0.32	0.32	mg/Kg	1	08/06/25	CPP	SW6010D
Chromium	18.9	0.32	mg/Kg	1	08/06/25	CPP	SW6010D
Copper	7.6	0.6	mg/kg	1	08/06/25	CPP	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	08/06/25	aj1/ZT	SW7471B
Nickel	11.2	0.32	mg/Kg	1	08/06/25	CPP	SW6010D
Lead	2.80	0.32	mg/Kg	1	08/06/25	CPP	SW6010D
Antimony	< 2.0	2.0	mg/Kg	1	08/06/25	CPP	SW6010D
Selenium	< 1.3	1.3	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Silver	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Arsenic	< 0.004	0.004	mg/L	1	08/06/25	CPP	SW6010D
SPLP Barium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Beryllium	< 0.001	0.001	mg/L	1	08/06/25	CPP	SW6010D
SPLP Cadmium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Chromium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Copper	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Mercury	< 0.0002	0.0002	mg/L	1	08/06/25	AJ1	SW7470A
SPLP Nickel	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Lead	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Antimony	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Selenium	< 0.020	0.020	mg/L	1	08/06/25	CPP	SW6010D
SPLP Thallium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Trivalent Chromium	< 0.010	0.010	mg/L	1	08/06/25		SW6010D
SPLP Vanadium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Zinc	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 0.8	0.8	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Metals Digestion	Completed				08/06/25	AK/GW	SW3010A
Trivalent Chromium	18.9	0.32	mg/kg	1	08/08/25		CALC 6010-7196
Vanadium	16.5	0.32	mg/Kg	1	08/06/25	CPP	SW6010D
Zinc	17.2	0.6	mg/Kg	1	08/06/25	CPP	SW6010D
Percent Solid	93		%		08/05/25	CV	SW846-%Solid
Chromium, Hex. (SW3060A digestion	< 0.40	0.40	mg/Kg	1	08/08/25	NP	SW7196A
pH at 20C - Soil	7.87	1.00	pH Units	1	08/06/25 01:10	KG	SW846 9045D
Redox Potential	262		mV	1	08/06/25	KG	SM2580B-09
SPLP Hexavalent Chromium	< 0.01	0.01	mg/L	1	08/06/25	IG	SW1312/SW3500CRD
Field Extraction	Completed				08/05/25		SW5035A
Mercury Digestion	Completed				08/06/25	SD/GW	SW7471B
Extraction of ETPH	Completed				08/08/25	S/DS	SW3546
Soil Extraction for Herbicide	Completed				08/08/25	X/MQ	SW3546
Soil Extraction for PCB	Completed				08/06/25	S/Q	SW3546
Soil Extraction for Pesticide	Completed				08/06/25	S/Q	SW3546
Soil Extraction for SVOA	Completed				08/08/25	S/Q	SW3546
SPLP Digestion Mercury	Completed				08/06/25	AK/GW	SW1312/SW7470A
SPLP Extraction for Metals	Completed				08/05/25	AK	SW1312
SPLP Inorganic Extraction	Completed				08/05/25	AK	SW1311
Total Metals Digest	Completed				08/05/25	N/AG/BF	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-D	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-DB	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
Dalapon	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
Dicamba	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
Dichloroprop	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
Dinoseb	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
MCPA	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A
MCPP	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A

QA/QC Surrogates

% DCAA	71		%	2	08/11/25	JRB	30 - 150 %
% DCAA (Confirmation)	57		%	2	08/11/25	JRB	30 - 150 %

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	52	mg/Kg	1	08/11/25	JRB	CTETPH
Identification	ND		mg/Kg	1	08/11/25	JRB	CTETPH

QA/QC Surrogates

% Terphenyl-d14	85		%	1	08/11/25	JRB	50 - 150 %
% Tricosane(C23)	87		%	1	08/11/25	JRB	50 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	70	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1221	ND	70	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1232	ND	70	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1242	ND	70	ug/Kg	2	08/08/25	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1248	ND	70	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1254	ND	70	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1260	ND	70	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1262	ND	70	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1268	ND	70	ug/Kg	2	08/08/25	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	79		%	2	08/08/25	SC	30 - 150 %
% DCBP (Confirmation)	77		%	2	08/08/25	SC	30 - 150 %
% TCMX	73		%	2	08/08/25	SC	30 - 150 %
% TCMX (Confirmation)	70		%	2	08/08/25	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
4,4' -DDE	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
4,4' -DDT	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
a-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Alachlor	ND	7.0	ug/Kg	2	08/07/25	KCA	SW8081B
Aldrin	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
b-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Chlordane	ND	14	ug/Kg	2	08/07/25	KCA	SW8081B
d-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Dieldrin	ND	3.5	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan I	ND	7.0	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan II	ND	7.0	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan sulfate	ND	7.0	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin	ND	7.0	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin aldehyde	ND	7.0	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin ketone	ND	7.0	ug/Kg	2	08/07/25	KCA	SW8081B
g-BHC	ND	0.28	ug/Kg	2	08/07/25	KCA	SW8081B
Heptachlor	ND	7.0	ug/Kg	2	08/07/25	KCA	SW8081B
Heptachlor epoxide	ND	7.0	ug/Kg	2	08/07/25	KCA	SW8081B
Methoxychlor	ND	35	ug/Kg	2	08/07/25	KCA	SW8081B
Toxaphene	ND	140	ug/Kg	2	08/07/25	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	65		%	2	08/07/25	KCA	30 - 150 %
% DCBP (Confirmation)	48		%	2	08/07/25	KCA	30 - 150 %
% TCMX	76		%	2	08/07/25	KCA	30 - 150 %
% TCMX (Confirmation)	78		%	2	08/07/25	KCA	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.60	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloroethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloropropane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichloropropane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
2,2-Dichloropropane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
2-Chlorotoluene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
2-Hexanone	ND	30	ug/Kg	1	08/06/25	JLI	SW8260D
2-Isopropyltoluene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
4-Chlorotoluene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	30	ug/Kg	1	08/06/25	JLI	SW8260D
Acetone	ND	300	ug/Kg	1	08/06/25	JLI	SW8260D
Acrylonitrile	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Benzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromobenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromochloromethane	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromodichloromethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromoform	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromomethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon Disulfide	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon tetrachloride	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Chlorobenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroform	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Chloromethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromochloromethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromomethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Dichlorodifluoromethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Ethylbenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Hexachlorobutadiene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Isopropylbenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
m&p-Xylene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	36	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Methylene chloride	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Naphthalene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
n-Butylbenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
n-Propylbenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
o-Xylene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
p-Isopropyltoluene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
sec-Butylbenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Styrene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
tert-Butylbenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrachloroethene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	08/06/25	JLI	SW8260D
Toluene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Total Xylenes	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	08/06/25	JLI	SW8260D
Trichloroethene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorofluoromethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	12	ug/Kg	1	08/06/25	JLI	SW8260D
Vinyl chloride	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	1	08/06/25	JLI	70 - 130 %
% Bromofluorobenzene	94		%	1	08/06/25	JLI	70 - 130 %
% Dibromofluoromethane	104		%	1	08/06/25	JLI	70 - 130 %
% Toluene-d8	96		%	1	08/06/25	JLI	70 - 130 %
<u>Oxygenates & Dioxane</u>							
1,4-Dioxane	ND	20	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Diethyl ether	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Di-isopropyl ether	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Ethyl tert-butyl ether	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
tert-amyl methyl ether	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	50	ug/Kg	1	08/09/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
1,2,4-Trichlorobenzene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
1,2-Dichlorobenzene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
1,3-Dichlorobenzene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
1,4-Dichlorobenzene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dichlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dimethylphenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dinitrotoluene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
2-Chloronaphthalene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
2-Chlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2-Methylnaphthalene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
2-Nitrophenol	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	1	08/09/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
3-Nitroaniline	ND	100	ug/Kg	1	08/09/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	350	ug/Kg	1	08/09/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
4-Chloroaniline	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
4-Nitrophenol	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Acenaphthene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Acenaphthylene	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Acetophenone	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Aniline	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Anthracene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Benz(a)anthracene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(a)pyrene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(b)fluoranthene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(ghi)perylene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(k)fluoranthene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Benzoic acid	ND	700	ug/Kg	1	08/09/25	MR	SW8270E
Benzyl butyl phthalate	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	350	ug/Kg	1	08/09/25	MR	SW8270E
Carbazole	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Chrysene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Dibenz(a,h)anthracene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Diethyl phthalate	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Dimethylphthalate	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Di-n-butylphthalate	ND	350	ug/Kg	1	08/09/25	MR	SW8270E
Di-n-octylphthalate	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Fluoranthene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Fluorene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorobenzene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Hexachloroethane	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Isophorone	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Naphthalene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/09/25	MR	SW8270E
Pentachlorophenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
Phenanthrene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Phenol	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Pyrene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	66		%	1	08/09/25	MR	30 - 130 %
% 2-Fluorobiphenyl	51		%	1	08/09/25	MR	30 - 130 %
% 2-Fluorophenol	54		%	1	08/09/25	MR	30 - 130 %
% Nitrobenzene-d5	61		%	1	08/09/25	MR	30 - 130 %
% Phenol-d5	56		%	1	08/09/25	MR	30 - 130 %
% Terphenyl-d14	60		%	1	08/09/25	MR	30 - 130 %

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

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

Comments:

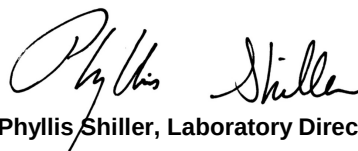
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

August 12, 2025

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.

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

Analysis Report

August 12, 2025

FOR: Attn: Walter Sepelak
HRP Associates Inc.
Farmington Business Center
197 Scott Swamp Rd.
Farmington, CT 06032

Sample Information

Matrix: SOIL
Location Code: HRP-DAS
Rush Request: 5 Day
P.O.#:

Custody Information

Collected by: CL
Received by: SR1
Analyzed by: see "By" below

Date

08/05/25
08/05/25

Time

11:40
15:41

Laboratory Data

SDG ID: GCT92027
Phoenix ID: CT92038

Project ID: CTD5017.FW
Client ID: SB-4 (8-10')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Arsenic	3.21	0.69	mg/Kg	1	08/06/25	CPP	SW6010D
Barium	48.9	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Beryllium	0.28	0.28	mg/Kg	1	08/06/25	CPP	SW6010D
Cadmium	< 0.34	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Chromium	21.8	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Copper	10.5	0.7	mg/kg	1	08/06/25	CPP	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	08/06/25	aj1/ZT	SW7471B
Nickel	13.4	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Lead	3.20	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Antimony	< 2.0	2.0	mg/Kg	1	08/06/25	CPP	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Silver	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Arsenic	< 0.004	0.004	mg/L	1	08/06/25	CPP	SW6010D
SPLP Barium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Beryllium	< 0.001	0.001	mg/L	1	08/06/25	CPP	SW6010D
SPLP Cadmium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Chromium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Copper	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Mercury	< 0.0002	0.0002	mg/L	1	08/06/25	AJ1	SW7470A
SPLP Nickel	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Lead	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Antimony	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Selenium	< 0.020	0.020	mg/L	1	08/06/25	CPP	SW6010D
SPLP Thallium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Trivalent Chromium	< 0.010	0.010	mg/L	1	08/06/25		SW6010D
SPLP Vanadium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Zinc	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 0.8	0.8	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Metals Digestion	Completed				08/06/25	AK/GW	SW3010A
Trivalent Chromium	21.8	0.34	mg/kg	1	08/08/25		CALC 6010-7196
Vanadium	22.9	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Zinc	23.6	0.7	mg/Kg	1	08/06/25	CPP	SW6010D
Percent Solid	93		%		08/05/25	CV	SW846-%Solid
Chromium, Hex. (SW3060A digestion	< 0.40	0.40	mg/Kg	1	08/08/25	NP	SW7196A
pH at 20C - Soil	7.84	1.00	pH Units	1	08/06/25 01:11	KG	SW846 9045D
Redox Potential	262		mV	1	08/06/25	KG	SM2580B-09
SPLP Hexavalent Chromium	< 0.01	0.01	mg/L	1	08/06/25	IG	SW1312/SW3500CRD
Field Extraction	Completed				08/05/25		SW5035A
Mercury Digestion	Completed				08/06/25	SD/GW	SW7471B
Extraction of ETPH	Completed				08/08/25	S/DS	SW3546
Soil Extraction for Herbicide	Completed				08/08/25	X/MQ	SW3546
Soil Extraction for PCB	Completed				08/06/25	S/Q	SW3546
Soil Extraction for Pesticide	Completed				08/06/25	S/Q	SW3546
Soil Extraction for SVOA	Completed				08/08/25	S/Q	SW3546
SPLP Digestion Mercury	Completed				08/06/25	AK/GW	SW1312/SW7470A
SPLP Extraction for Metals	Completed				08/05/25	AK	SW1312
SPLP Inorganic Extraction	Completed				08/05/25	AK	SW1311
Total Metals Digest	Completed				08/05/25	N/AG/BF	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-D	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-DB	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
Dalapon	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
Dicamba	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
Dichloroprop	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
Dinoseb	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
MCPA	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A
MCPP	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A

QA/QC Surrogates

% DCAA	84		%	2	08/11/25	JRB	30 - 150 %
% DCAA (Confirmation)	70		%	2	08/11/25	JRB	30 - 150 %

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	53	mg/Kg	1	08/11/25	JRB	CTETPH
Identification	ND		mg/Kg	1	08/11/25	JRB	CTETPH

QA/QC Surrogates

% Terphenyl-d14	78		%	1	08/11/25	JRB	50 - 150 %
% Tricosane(C23)	81		%	1	08/11/25	JRB	50 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1221	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1232	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1242	ND	71	ug/Kg	2	08/08/25	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1248	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1254	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1260	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1262	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1268	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	92		%	2	08/08/25	SC	30 - 150 %
% DCBP (Confirmation)	86		%	2	08/08/25	SC	30 - 150 %
% TCMX	85		%	2	08/08/25	SC	30 - 150 %
% TCMX (Confirmation)	86		%	2	08/08/25	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
4,4' -DDE	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
4,4' -DDT	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
a-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Alachlor	ND	7.1	ug/Kg	2	08/07/25	KCA	SW8081B
Aldrin	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
b-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Chlordane	ND	14	ug/Kg	2	08/07/25	KCA	SW8081B
d-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Dieldrin	ND	3.5	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan I	ND	7.1	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan II	ND	7.1	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan sulfate	ND	7.1	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin	ND	7.1	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin aldehyde	ND	7.1	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin ketone	ND	7.1	ug/Kg	2	08/07/25	KCA	SW8081B
g-BHC	ND	0.28	ug/Kg	2	08/07/25	KCA	SW8081B
Heptachlor	ND	7.1	ug/Kg	2	08/07/25	KCA	SW8081B
Heptachlor epoxide	ND	7.1	ug/Kg	2	08/07/25	KCA	SW8081B
Methoxychlor	ND	35	ug/Kg	2	08/07/25	KCA	SW8081B
Toxaphene	ND	140	ug/Kg	2	08/07/25	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	67		%	2	08/07/25	KCA	30 - 150 %
% DCBP (Confirmation)	44		%	2	08/07/25	KCA	30 - 150 %
% TCMX	73		%	2	08/07/25	KCA	30 - 150 %
% TCMX (Confirmation)	75		%	2	08/07/25	KCA	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.63	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloropropane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichloropropane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
2,2-Dichloropropane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
2-Chlorotoluene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
2-Hexanone	ND	32	ug/Kg	1	08/06/25	JLI	SW8260D
2-Isopropyltoluene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
4-Chlorotoluene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	32	ug/Kg	1	08/06/25	JLI	SW8260D
Acetone	ND	320	ug/Kg	1	08/06/25	JLI	SW8260D
Acrylonitrile	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Benzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Bromobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Bromochloromethane	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromodichloromethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Bromoform	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Bromomethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon Disulfide	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon tetrachloride	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Chlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroform	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Chloromethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromochloromethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromomethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Dichlorodifluoromethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Ethylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Hexachlorobutadiene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Isopropylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
m&p-Xylene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	38	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Methylene chloride	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Naphthalene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
n-Butylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
n-Propylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
o-Xylene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
p-Isopropyltoluene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
sec-Butylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Styrene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
tert-Butylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrachloroethene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	13	ug/Kg	1	08/06/25	JLI	SW8260D
Toluene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Total Xylenes	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	1	08/06/25	JLI	SW8260D
Trichloroethene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorofluoromethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	13	ug/Kg	1	08/06/25	JLI	SW8260D
Vinyl chloride	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98		%	1	08/06/25	JLI	70 - 130 %
% Bromofluorobenzene	94		%	1	08/06/25	JLI	70 - 130 %
% Dibromofluoromethane	102		%	1	08/06/25	JLI	70 - 130 %
% Toluene-d8	95		%	1	08/06/25	JLI	70 - 130 %
<u>Oxygenates & Dioxane</u>							
1,4-Dioxane	ND	20	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Diethyl ether	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Di-isopropyl ether	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Ethyl tert-butyl ether	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
tert-amyl methyl ether	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	50	ug/Kg	1	08/09/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
1,2,4-Trichlorobenzene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
1,2-Dichlorobenzene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
1,3-Dichlorobenzene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
1,4-Dichlorobenzene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dichlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dimethylphenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dinitrotoluene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
2-Chloronaphthalene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
2-Chlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2-Methylnaphthalene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
2-Nitrophenol	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	350	ug/Kg	1	08/09/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
3-Nitroaniline	ND	100	ug/Kg	1	08/09/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	350	ug/Kg	1	08/09/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
4-Chloroaniline	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
4-Nitrophenol	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Acenaphthene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Acenaphthylene	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Acetophenone	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Aniline	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Anthracene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benz(a)anthracene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(a)pyrene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(b)fluoranthene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(ghi)perylene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(k)fluoranthene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Benzoic acid	ND	690	ug/Kg	1	08/09/25	MR	SW8270E
Benzyl butyl phthalate	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	350	ug/Kg	1	08/09/25	MR	SW8270E
Carbazole	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Chrysene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Dibenz(a,h)anthracene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Diethyl phthalate	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Dimethylphthalate	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Di-n-butylphthalate	ND	350	ug/Kg	1	08/09/25	MR	SW8270E
Di-n-octylphthalate	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Fluoranthene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Fluorene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorobenzene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Hexachloroethane	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Isophorone	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Naphthalene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/09/25	MR	SW8270E
Pentachlorophenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
Phenanthrene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E
Phenol	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Pyrene	ND	240	ug/Kg	1	08/09/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	74		%	1	08/09/25	MR	30 - 130 %
% 2-Fluorobiphenyl	62		%	1	08/09/25	MR	30 - 130 %
% 2-Fluorophenol	63		%	1	08/09/25	MR	30 - 130 %
% Nitrobenzene-d5	70		%	1	08/09/25	MR	30 - 130 %
% Phenol-d5	65		%	1	08/09/25	MR	30 - 130 %
% Terphenyl-d14	70		%	1	08/09/25	MR	30 - 130 %

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

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

Comments:

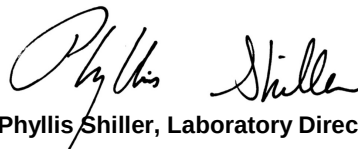
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

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.

Hexavalent Chromium:
This sample is in a reducing state.

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

August 12, 2025

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.

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

Analysis Report

August 12, 2025

FOR: Attn: Walter Sepelak
HRP Associates Inc.
Farmington Business Center
197 Scott Swamp Rd.
Farmington, CT 06032

Sample Information

Matrix: SOIL
Location Code: HRP-DAS
Rush Request: 5 Day
P.O.#:

Custody Information

Collected by: CL
Received by: SR1
Analyzed by: see "By" below

Date

08/05/25
08/05/25

Time

13:25
15:41

Laboratory Data

SDG ID: GCT92027
Phoenix ID: CT92039

Project ID: CTD5017.FW
Client ID: SB-5 (1-3')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Arsenic	6.85	0.67	mg/Kg	1	08/06/25	CPP	SW6010D
Barium	43.7	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Beryllium	< 0.27	0.27	mg/Kg	1	08/06/25	CPP	SW6010D
Cadmium	< 0.34	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Chromium	21.0	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Copper	12.1	0.7	mg/kg	1	08/06/25	CPP	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	08/06/25	aj1/ZT	SW7471B
Nickel	11.9	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Lead	6.16	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Antimony	< 2.0	2.0	mg/Kg	1	08/06/25	CPP	SW6010D
Selenium	< 1.3	1.3	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Silver	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Arsenic	0.006	0.004	mg/L	1	08/06/25	CPP	SW6010D
SPLP Barium	0.020	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Beryllium	< 0.001	0.001	mg/L	1	08/06/25	CPP	SW6010D
SPLP Cadmium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Chromium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Copper	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Mercury	< 0.0002	0.0002	mg/L	1	08/06/25	AJ1	SW7470A
SPLP Nickel	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Lead	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Antimony	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Selenium	< 0.020	0.020	mg/L	1	08/06/25	CPP	SW6010D
SPLP Thallium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Trivalent Chromium	< 0.010	0.010	mg/L	1	08/06/25		SW6010D
SPLP Vanadium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Zinc	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 0.8	0.8	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Metals Digestion	Completed				08/06/25	AK/GW	SW3010A
Trivalent Chromium	21.0	0.34	mg/kg	1	08/08/25		CALC 6010-7196
Vanadium	19.5	0.34	mg/Kg	1	08/06/25	CPP	SW6010D
Zinc	20.9	0.7	mg/Kg	1	08/06/25	CPP	SW6010D
Percent Solid	92		%		08/05/25	CV	SW846-%Solid
Chromium, Hex. (SW3060A digestion	< 0.40	0.40	mg/Kg	1	08/08/25	NP	SW7196A
pH at 20C - Soil	7.80	1.00	pH Units	1	08/06/25 01:11	KG	SW846 9045D
Redox Potential	243		mV	1	08/06/25	KG	SM2580B-09
SPLP Hexavalent Chromium	< 0.01	0.01	mg/L	1	08/06/25	IG	SW1312/SW3500CRD
Field Extraction	Completed				08/05/25		SW5035A
Mercury Digestion	Completed				08/06/25	SD/GW	SW7471B
Extraction of ETPH	Completed				08/08/25	S/DS	SW3546
Soil Extraction for Herbicide	Completed				08/08/25	X/MQ	SW3546
Soil Extraction for PCB	Completed				08/06/25	S/Q	SW3546
Soil Extraction for Pesticide	Completed				08/06/25	S/Q	SW3546
Soil Extraction for SVOA	Completed				08/08/25	S/Q	SW3546
SPLP Digestion Mercury	Completed				08/06/25	AK/GW	SW1312/SW7470A
SPLP Extraction for Metals	Completed				08/05/25	AK	SW1312
SPLP Inorganic Extraction	Completed				08/05/25	AK	SW1311
Total Metals Digest	Completed				08/05/25	N/AG/BF	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-D	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-DB	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
Dalapon	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
Dicamba	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
Dichloroprop	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
Dinoseb	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
MCPA	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A
MCPP	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A

QA/QC Surrogates

% DCAA	67		%	2	08/11/25	JRB	30 - 150 %
% DCAA (Confirmation)	55		%	2	08/11/25	JRB	30 - 150 %

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	54	mg/Kg	1	08/11/25	JRB	CTETPH
Identification	ND		mg/Kg	1	08/11/25	JRB	CTETPH

QA/QC Surrogates

% Terphenyl-d14	89		%	1	08/11/25	JRB	50 - 150 %
% Tricosane(C23)	92		%	1	08/11/25	JRB	50 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1221	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1232	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1242	ND	71	ug/Kg	2	08/08/25	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1248	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1254	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1260	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1262	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1268	ND	71	ug/Kg	2	08/08/25	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	92		%	2	08/08/25	SC	30 - 150 %
% DCBP (Confirmation)	85		%	2	08/08/25	SC	30 - 150 %
% TCMX	87		%	2	08/08/25	SC	30 - 150 %
% TCMX (Confirmation)	88		%	2	08/08/25	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
4,4' -DDE	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
4,4' -DDT	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
a-BHC	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
Alachlor	ND	7.1	ug/Kg	2	08/08/25	KCA	SW8081B
Aldrin	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
b-BHC	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
Chlordane	ND	14	ug/Kg	2	08/08/25	KCA	SW8081B
d-BHC	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
Dieldrin	ND	3.6	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan I	ND	7.1	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan II	ND	7.1	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan sulfate	ND	7.1	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin	ND	7.1	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin aldehyde	ND	7.1	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin ketone	ND	7.1	ug/Kg	2	08/08/25	KCA	SW8081B
g-BHC	ND	0.28	ug/Kg	2	08/08/25	KCA	SW8081B
Heptachlor	ND	7.1	ug/Kg	2	08/08/25	KCA	SW8081B
Heptachlor epoxide	ND	7.1	ug/Kg	2	08/08/25	KCA	SW8081B
Methoxychlor	ND	36	ug/Kg	2	08/08/25	KCA	SW8081B
Toxaphene	ND	140	ug/Kg	2	08/08/25	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	68		%	2	08/08/25	KCA	30 - 150 %
% DCBP (Confirmation)	45		%	2	08/08/25	KCA	30 - 150 %
% TCMX	79		%	2	08/08/25	KCA	30 - 150 %
% TCMX (Confirmation)	80		%	2	08/08/25	KCA	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethane	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.64	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloroethane	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloropropane	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichloropropane	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
2,2-Dichloropropane	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
2-Chlorotoluene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
2-Hexanone	ND	32	ug/Kg	1	08/06/25	JLI	SW8260D
2-Isopropyltoluene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
4-Chlorotoluene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	32	ug/Kg	1	08/06/25	JLI	SW8260D
Acetone	ND	320	ug/Kg	1	08/06/25	JLI	SW8260D
Acrylonitrile	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
Benzene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
Bromobenzene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
Bromochloromethane	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromodichloromethane	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
Bromoform	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
Bromomethane	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon Disulfide	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon tetrachloride	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
Chlorobenzene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroethane	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroform	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
Chloromethane	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromochloromethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromomethane	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
Dichlorodifluoromethane	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
Ethylbenzene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
Hexachlorobutadiene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
Isopropylbenzene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
m&p-Xylene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	38	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Methylene chloride	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Naphthalene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
n-Butylbenzene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
n-Propylbenzene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
o-Xylene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
p-Isopropyltoluene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
sec-Butylbenzene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
Styrene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
tert-Butylbenzene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrachloroethene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	13	ug/Kg	1	08/06/25	JLI	SW8260D
Toluene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
Total Xylenes	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	1	08/06/25	JLI	SW8260D
Trichloroethene	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorofluoromethane	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	13	ug/Kg	1	08/06/25	JLI	SW8260D
Vinyl chloride	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	97		%	1	08/06/25	JLI	70 - 130 %
% Bromofluorobenzene	92		%	1	08/06/25	JLI	70 - 130 %
% Dibromofluoromethane	99		%	1	08/06/25	JLI	70 - 130 %
% Toluene-d8	96		%	1	08/06/25	JLI	70 - 130 %
<u>Oxygenates & Dioxane</u>							
1,4-Dioxane	ND	20	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Diethyl ether	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Di-isopropyl ether	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Ethyl tert-butyl ether	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
tert-amyl methyl ether	ND	6.4	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	50	ug/Kg	1	08/09/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
1,2,4-Trichlorobenzene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
1,2-Dichlorobenzene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
1,3-Dichlorobenzene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
1,4-Dichlorobenzene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dichlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dimethylphenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dinitrotoluene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
2-Chloronaphthalene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
2-Chlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2-Methylnaphthalene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
2-Nitrophenol	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	1	08/09/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
3-Nitroaniline	ND	100	ug/Kg	1	08/09/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	360	ug/Kg	1	08/09/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
4-Chloroaniline	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
4-Nitrophenol	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Acenaphthene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Acenaphthylene	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Acetophenone	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Aniline	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Anthracene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Benz(a)anthracene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(a)pyrene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(b)fluoranthene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(ghi)perylene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(k)fluoranthene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Benzoic acid	ND	710	ug/Kg	1	08/09/25	MR	SW8270E
Benzyl butyl phthalate	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	360	ug/Kg	1	08/09/25	MR	SW8270E
Carbazole	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Chrysene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Dibenz(a,h)anthracene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Diethyl phthalate	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Dimethylphthalate	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Di-n-butylphthalate	ND	360	ug/Kg	1	08/09/25	MR	SW8270E
Di-n-octylphthalate	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Fluoranthene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Fluorene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorobenzene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Hexachloroethane	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Isophorone	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Naphthalene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/09/25	MR	SW8270E
Pentachlorophenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
Phenanthrene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E
Phenol	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Pyrene	ND	250	ug/Kg	1	08/09/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	79		%	1	08/09/25	MR	30 - 130 %
% 2-Fluorobiphenyl	63		%	1	08/09/25	MR	30 - 130 %
% 2-Fluorophenol	63		%	1	08/09/25	MR	30 - 130 %
% Nitrobenzene-d5	69		%	1	08/09/25	MR	30 - 130 %
% Phenol-d5	67		%	1	08/09/25	MR	30 - 130 %
% Terphenyl-d14	76		%	1	08/09/25	MR	30 - 130 %

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

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

Comments:

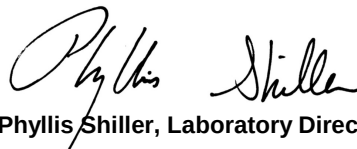
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

August 12, 2025

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.

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

Analysis Report

August 12, 2025

FOR: Attn: Walter Sepelak
HRP Associates Inc.
Farmington Business Center
197 Scott Swamp Rd.
Farmington, CT 06032

Sample Information

Matrix: SOIL
Location Code: HRP-DAS
Rush Request: 5 Day
P.O.#:

Custody Information

Collected by: CL
Received by: SR1
Analyzed by: see "By" below

Date

08/05/25
08/05/25

Time

13:11
15:41

Laboratory Data

SDG ID: GCT92027
Phoenix ID: CT92040

Project ID: CTD5017.FW
Client ID: SB-6 (1-3')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	1	08/06/25	CPP	SW6010D
Arsenic	2.47	0.74	mg/Kg	1	08/06/25	CPP	SW6010D
Barium	43.6	0.37	mg/Kg	1	08/06/25	CPP	SW6010D
Beryllium	< 0.30	0.30	mg/Kg	1	08/06/25	CPP	SW6010D
Cadmium	< 0.37	0.37	mg/Kg	1	08/06/25	CPP	SW6010D
Chromium	18.0	0.37	mg/Kg	1	08/06/25	CPP	SW6010D
Copper	7.8	0.7	mg/kg	1	08/06/25	CPP	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	08/06/25	aj1/ZT	SW7471B
Nickel	10.4	0.37	mg/Kg	1	08/06/25	CPP	SW6010D
Lead	2.64	0.37	mg/Kg	1	08/06/25	CPP	SW6010D
Antimony	< 2.0	2.0	mg/Kg	1	08/06/25	CPP	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Silver	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Arsenic	< 0.004	0.004	mg/L	1	08/06/25	CPP	SW6010D
SPLP Barium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Beryllium	< 0.001	0.001	mg/L	1	08/06/25	CPP	SW6010D
SPLP Cadmium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Chromium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Copper	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Mercury	< 0.0002	0.0002	mg/L	1	08/06/25	AJ1	SW7470A
SPLP Nickel	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Lead	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Antimony	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Selenium	< 0.020	0.020	mg/L	1	08/06/25	CPP	SW6010D
SPLP Thallium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Trivalent Chromium	< 0.010	0.010	mg/L	1	08/06/25		SW6010D
SPLP Vanadium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Zinc	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 0.8	0.8	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Metals Digestion	Completed				08/06/25	AK/GW	SW3010A
Trivalent Chromium	18.0	0.37	mg/kg	1	08/08/25		CALC 6010-7196
Vanadium	18.4	0.37	mg/Kg	1	08/06/25	CPP	SW6010D
Zinc	19.4	0.7	mg/Kg	1	08/06/25	CPP	SW6010D
Percent Solid	90		%		08/05/25	CV	SW846-%Solid
Chromium, Hex. (SW3060A digestion	< 0.39	0.39	mg/Kg	1	08/08/25	NP	SW7196A
pH at 20C - Soil	7.32	1.00	pH Units	1	08/06/25 01:11	KG	SW846 9045D
Redox Potential	276		mV	1	08/06/25	KG	SM2580B-09
SPLP Hexavalent Chromium	< 0.01	0.01	mg/L	1	08/06/25	IG	SW1312/SW3500CRD
Field Extraction	Completed				08/05/25		SW5035A
Mercury Digestion	Completed				08/06/25	SD/GW	SW7471B
Extraction of ETPH	Completed				08/08/25	S/DS	SW3546
Soil Extraction for Herbicide	Completed				08/08/25	X/MQ	SW3546
Soil Extraction for PCB	Completed				08/06/25	S/Q	SW3546
Soil Extraction for Pesticide	Completed				08/06/25	S/Q	SW3546
Soil Extraction for SVOA	Completed				08/08/25	S/Q	SW3546
SPLP Digestion Mercury	Completed				08/06/25	AK/GW	SW1312/SW7470A
SPLP Extraction for Metals	Completed				08/05/25	AK	SW1312
SPLP Inorganic Extraction	Completed				08/05/25	AK	SW1311
Total Metals Digest	Completed				08/05/25	N/AG/BF	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-D	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-DB	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
Dalapon	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
Dicamba	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
Dichloroprop	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
Dinoseb	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
MCPA	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A
MCPP	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A

QA/QC Surrogates

% DCAA	77		%	2	08/11/25	JRB	30 - 150 %
% DCAA (Confirmation)	64		%	2	08/11/25	JRB	30 - 150 %

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	55	mg/Kg	1	08/11/25	JRB	CTETPH
Identification	ND		mg/Kg	1	08/11/25	JRB	CTETPH

QA/QC Surrogates

% Terphenyl-d14	87		%	1	08/11/25	JRB	50 - 150 %
% Tricosane(C23)	89		%	1	08/11/25	JRB	50 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	74	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1221	ND	74	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1232	ND	74	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1242	ND	74	ug/Kg	2	08/07/25	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1248	ND	74	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1254	ND	74	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1260	ND	74	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1262	ND	74	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1268	ND	74	ug/Kg	2	08/07/25	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	70		%	2	08/07/25	SC	30 - 150 %
% DCBP (Confirmation)	77		%	2	08/07/25	SC	30 - 150 %
% TCMX	76		%	2	08/07/25	SC	30 - 150 %
% TCMX (Confirmation)	65		%	2	08/07/25	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.5	ug/Kg	2	08/08/25	KCA	SW8081B
4,4' -DDE	ND	1.5	ug/Kg	2	08/08/25	KCA	SW8081B
4,4' -DDT	ND	1.5	ug/Kg	2	08/08/25	KCA	SW8081B
a-BHC	ND	1.5	ug/Kg	2	08/08/25	KCA	SW8081B
Alachlor	ND	7.4	ug/Kg	2	08/08/25	KCA	SW8081B
Aldrin	ND	1.5	ug/Kg	2	08/08/25	KCA	SW8081B
b-BHC	ND	1.5	ug/Kg	2	08/08/25	KCA	SW8081B
Chlordane	ND	15	ug/Kg	2	08/08/25	KCA	SW8081B
d-BHC	ND	1.5	ug/Kg	2	08/08/25	KCA	SW8081B
Dieldrin	ND	3.7	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan I	ND	7.4	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan II	ND	7.4	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan sulfate	ND	7.4	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin	ND	7.4	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin aldehyde	ND	7.4	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin ketone	ND	7.4	ug/Kg	2	08/08/25	KCA	SW8081B
g-BHC	ND	0.30	ug/Kg	2	08/08/25	KCA	SW8081B
Heptachlor	ND	7.4	ug/Kg	2	08/08/25	KCA	SW8081B
Heptachlor epoxide	ND	7.4	ug/Kg	2	08/08/25	KCA	SW8081B
Methoxychlor	ND	37	ug/Kg	2	08/08/25	KCA	SW8081B
Toxaphene	ND	150	ug/Kg	2	08/08/25	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	90		%	2	08/08/25	KCA	30 - 150 %
% DCBP (Confirmation)	74		%	2	08/08/25	KCA	30 - 150 %
% TCMX	88		%	2	08/08/25	KCA	30 - 150 %
% TCMX (Confirmation)	76		%	2	08/08/25	KCA	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.63	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloropropane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichloropropane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
2,2-Dichloropropane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
2-Chlorotoluene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
2-Hexanone	ND	31	ug/Kg	1	08/06/25	JLI	SW8260D
2-Isopropyltoluene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
4-Chlorotoluene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	31	ug/Kg	1	08/06/25	JLI	SW8260D
Acetone	ND	310	ug/Kg	1	08/06/25	JLI	SW8260D
Acrylonitrile	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Benzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Bromobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Bromochloromethane	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromodichloromethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Bromoform	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Bromomethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon Disulfide	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon tetrachloride	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Chlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroform	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Chloromethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromochloromethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromomethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Dichlorodifluoromethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Ethylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Hexachlorobutadiene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Isopropylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
m&p-Xylene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	38	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Methylene chloride	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Naphthalene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
n-Butylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
n-Propylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
o-Xylene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
p-Isopropyltoluene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
sec-Butylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Styrene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
tert-Butylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrachloroethene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	13	ug/Kg	1	08/06/25	JLI	SW8260D
Toluene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Total Xylenes	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	1	08/06/25	JLI	SW8260D
Trichloroethene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorofluoromethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	13	ug/Kg	1	08/06/25	JLI	SW8260D
Vinyl chloride	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	96		%	1	08/06/25	JLI	70 - 130 %
% Bromofluorobenzene	93		%	1	08/06/25	JLI	70 - 130 %
% Dibromofluoromethane	99		%	1	08/06/25	JLI	70 - 130 %
% Toluene-d8	96		%	1	08/06/25	JLI	70 - 130 %
<u>Oxygenates & Dioxane</u>							
1,4-Dioxane	ND	20	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Diethyl ether	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Di-isopropyl ether	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Ethyl tert-butyl ether	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
tert-amyl methyl ether	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	50	ug/Kg	1	08/09/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
1,2,4-Trichlorobenzene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
1,2-Dichlorobenzene	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
1,3-Dichlorobenzene	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
1,4-Dichlorobenzene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dichlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dimethylphenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
2,4-Dinitrotoluene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
2-Chloronaphthalene	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
2-Chlorophenol	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2-Methylnaphthalene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
2-Nitrophenol	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	08/09/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
3-Nitroaniline	ND	100	ug/Kg	1	08/09/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	08/09/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
4-Chloroaniline	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
4-Nitrophenol	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
Acenaphthene	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
Acenaphthylene	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Acetophenone	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
Aniline	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Anthracene	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
Benz(a)anthracene	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(a)pyrene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(b)fluoranthene	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(ghi)perylene	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
Benzo(k)fluoranthene	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
Benzoic acid	ND	730	ug/Kg	1	08/09/25	MR	SW8270E
Benzyl butyl phthalate	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	370	ug/Kg	1	08/09/25	MR	SW8270E
Carbazole	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Chrysene	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
Dibenz(a,h)anthracene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Diethyl phthalate	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
Dimethylphthalate	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Di-n-butylphthalate	ND	370	ug/Kg	1	08/09/25	MR	SW8270E
Di-n-octylphthalate	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
Fluoranthene	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
Fluorene	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorobenzene	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
Hexachloroethane	ND	70	ug/Kg	1	08/09/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
Isophorone	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
Naphthalene	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/09/25	MR	SW8270E
Pentachlorophenol	ND	300	ug/Kg	1	08/09/25	MR	SW8270E
Phenanthrene	ND	260	ug/Kg	1	08/09/25	MR	SW8270E
Phenol	ND	100	ug/Kg	1	08/09/25	MR	SW8270E
Pyrene	ND	260	ug/Kg	1	08/09/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	200	ug/Kg	1	08/09/25	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	79		%	1	08/09/25	MR	30 - 130 %
% 2-Fluorobiphenyl	67		%	1	08/09/25	MR	30 - 130 %
% 2-Fluorophenol	67		%	1	08/09/25	MR	30 - 130 %
% Nitrobenzene-d5	75		%	1	08/09/25	MR	30 - 130 %
% Phenol-d5	70		%	1	08/09/25	MR	30 - 130 %
% Terphenyl-d14	78		%	1	08/09/25	MR	30 - 130 %

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

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

Comments:

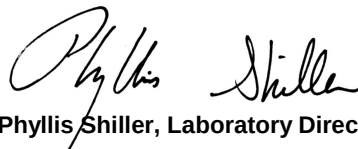
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

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.

Hexavalent Chromium:
This sample is in a reducing state.

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

August 12, 2025

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.

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

Analysis Report

August 12, 2025

FOR: Attn: Walter Sepelak
HRP Associates Inc.
Farmington Business Center
197 Scott Swamp Rd.
Farmington, CT 06032

Sample Information

Matrix: SOIL
Location Code: HRP-DAS
Rush Request: 5 Day
P.O.#:

Custody Information

Collected by: CL
Received by: SR1
Analyzed by: see "By" below

Date

08/05/25
08/05/25

Time

12:55
15:41

Laboratory Data

SDG ID: GCT92027
Phoenix ID: CT92041

Project ID: CTD5017.FW
Client ID: SB-7 (1.5-3')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	1	08/06/25	CPP	SW6010D
Arsenic	7.08	0.74	mg/Kg	1	08/06/25	CPP	SW6010D
Barium	126	0.37	mg/Kg	1	08/06/25	CPP	SW6010D
Beryllium	0.51	0.30	mg/Kg	1	08/06/25	CPP	SW6010D
Cadmium	< 0.37	0.37	mg/Kg	1	08/06/25	CPP	SW6010D
Chromium	61.6	0.37	mg/Kg	1	08/06/25	CPP	SW6010D
Copper	27.9	0.7	mg/kg	1	08/06/25	CPP	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	08/06/25	aj1/ZT	SW7471B
Nickel	17.9	0.37	mg/Kg	1	08/06/25	CPP	SW6010D
Lead	125	0.37	mg/Kg	1	08/06/25	CPP	SW6010D
Antimony	< 2.0	2.0	mg/Kg	1	08/06/25	CPP	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Silver	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Arsenic	0.006	0.004	mg/L	1	08/06/25	CPP	SW6010D
SPLP Barium	0.012	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Beryllium	< 0.001	0.001	mg/L	1	08/06/25	CPP	SW6010D
SPLP Cadmium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Chromium	0.013	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Copper	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Mercury	< 0.0002	0.0002	mg/L	1	08/06/25	AJ1	SW7470A
SPLP Nickel	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Lead	0.012	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Antimony	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Selenium	< 0.020	0.020	mg/L	1	08/06/25	CPP	SW6010D
SPLP Thallium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Trivalent Chromium	0.013	0.010	mg/L	1	08/06/25		SW6010D
SPLP Vanadium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Zinc	0.053	0.010	mg/L	1	08/06/25	CPP	SW6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 0.8	0.8	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Metals Digestion	Completed				08/06/25	AK/GW	SW3010A
Trivalent Chromium	60.75	0.37	mg/kg	1	08/08/25		CALC 6010-7196
Vanadium	22.6	0.37	mg/Kg	1	08/06/25	CPP	SW6010D
Zinc	74.7	0.7	mg/Kg	1	08/06/25	CPP	SW6010D
Percent Solid	91		%		08/05/25	CV	SW846-%Solid
Chromium, Hex. (SW3060A digestion	0.85	0.40	mg/Kg	1	08/08/25	NP	SW7196A
pH at 20C - Soil	7.51	1.00	pH Units	1	08/06/25 01:11	KG	SW846 9045D
Redox Potential	270		mV	1	08/06/25	KG	SM2580B-09
SPLP Hexavalent Chromium	< 0.01	0.01	mg/L	1	08/06/25	IG	SW1312/SW3500CRD
Field Extraction	Completed				08/05/25		SW5035A
Mercury Digestion	Completed				08/06/25	SD/GW	SW7471B
Extraction of ETPH	Completed				08/08/25	S/DS	SW3546
Soil Extraction for Herbicide	Completed				08/08/25	X/MQ	SW3546
Soil Extraction for PCB	Completed				08/06/25	S/Q	SW3546
Soil Extraction for Pesticide	Completed				08/06/25	S/Q	SW3546
Soil Extraction for SVOA	Completed				08/11/25	/DS	SW3546
SPLP Digestion Mercury	Completed				08/06/25	AK/GW	SW1312/SW7470A
SPLP Extraction for Metals	Completed				08/05/25	AK	SW1312
SPLP Inorganic Extraction	Completed				08/05/25	AK	SW1311
Total Metals Digest	Completed				08/05/25	N/AG/BF	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-D	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-DB	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
Dalapon	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
Dicamba	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
Dichloroprop	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
Dinoseb	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
MCPA	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A
MCPP	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A

QA/QC Surrogates

% DCAA	83		%	2	08/11/25	JRB	30 - 150 %
% DCAA (Confirmation)	71		%	2	08/11/25	JRB	30 - 150 %

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	54	mg/Kg	1	08/11/25	JRB	CTETPH
Identification	ND		mg/Kg	1	08/11/25	JRB	CTETPH

QA/QC Surrogates

% Terphenyl-d14	91		%	1	08/11/25	JRB	50 - 150 %
% Tricosane(C23)	86		%	1	08/11/25	JRB	50 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	72	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1221	ND	72	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1232	ND	72	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1242	ND	72	ug/Kg	2	08/08/25	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1248	ND	72	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1254	ND	72	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1260	ND	72	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1262	ND	72	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1268	ND	72	ug/Kg	2	08/08/25	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	78		%	2	08/08/25	SC	30 - 150 %
% DCBP (Confirmation)	79		%	2	08/08/25	SC	30 - 150 %
% TCMX	74		%	2	08/08/25	SC	30 - 150 %
% TCMX (Confirmation)	73		%	2	08/08/25	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
4,4' -DDE	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
4,4' -DDT	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
a-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Alachlor	ND	7.2	ug/Kg	2	08/07/25	KCA	SW8081B
Aldrin	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
b-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Chlordane	ND	14	ug/Kg	2	08/07/25	KCA	SW8081B
d-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Dieldrin	ND	3.6	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan I	ND	7.2	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan II	ND	7.2	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan sulfate	ND	7.2	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin	ND	7.2	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin aldehyde	ND	7.2	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin ketone	ND	7.2	ug/Kg	2	08/07/25	KCA	SW8081B
g-BHC	ND	0.29	ug/Kg	2	08/07/25	KCA	SW8081B
Heptachlor	ND	7.2	ug/Kg	2	08/07/25	KCA	SW8081B
Heptachlor epoxide	ND	7.2	ug/Kg	2	08/07/25	KCA	SW8081B
Methoxychlor	ND	36	ug/Kg	2	08/07/25	KCA	SW8081B
Toxaphene	ND	140	ug/Kg	2	08/07/25	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	64		%	2	08/07/25	KCA	30 - 150 %
% DCBP (Confirmation)	47		%	2	08/07/25	KCA	30 - 150 %
% TCMX	77		%	2	08/07/25	KCA	30 - 150 %
% TCMX (Confirmation)	78		%	2	08/07/25	KCA	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethane	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.62	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloroethane	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloropropane	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichloropropane	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
2,2-Dichloropropane	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
2-Chlorotoluene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
2-Hexanone	ND	31	ug/Kg	1	08/06/25	JLI	SW8260D
2-Isopropyltoluene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
4-Chlorotoluene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	31	ug/Kg	1	08/06/25	JLI	SW8260D
Acetone	ND	310	ug/Kg	1	08/06/25	JLI	SW8260D
Acrylonitrile	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
Benzene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
Bromobenzene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
Bromochloromethane	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromodichloromethane	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
Bromoform	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
Bromomethane	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon Disulfide	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon tetrachloride	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
Chlorobenzene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroethane	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroform	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
Chloromethane	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromochloromethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromomethane	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
Dichlorodifluoromethane	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
Ethylbenzene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
Hexachlorobutadiene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
Isopropylbenzene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
m&p-Xylene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	37	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Methylene chloride	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Naphthalene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
n-Butylbenzene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
n-Propylbenzene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
o-Xylene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
p-Isopropyltoluene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
sec-Butylbenzene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
Styrene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
tert-Butylbenzene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrachloroethene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	08/06/25	JLI	SW8260D
Toluene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
Total Xylenes	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	08/06/25	JLI	SW8260D
Trichloroethene	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorofluoromethane	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	12	ug/Kg	1	08/06/25	JLI	SW8260D
Vinyl chloride	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	96		%	1	08/06/25	JLI	70 - 130 %
% Bromofluorobenzene	90		%	1	08/06/25	JLI	70 - 130 %
% Dibromofluoromethane	98		%	1	08/06/25	JLI	70 - 130 %
% Toluene-d8	95		%	1	08/06/25	JLI	70 - 130 %
<u>Oxygenates & Dioxane</u>							
1,4-Dioxane	ND	20	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Diethyl ether	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Di-isopropyl ether	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Ethyl tert-butyl ether	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
tert-amyl methyl ether	ND	6.2	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	50	ug/Kg	1	08/11/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
1,2,4-Trichlorobenzene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
1,2-Dichlorobenzene	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
1,3-Dichlorobenzene	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
1,4-Dichlorobenzene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dichlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dimethylphenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dinitrotoluene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
2-Chloronaphthalene	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
2-Chlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2-Methylnaphthalene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
2-Nitrophenol	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	1	08/11/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
3-Nitroaniline	ND	100	ug/Kg	1	08/11/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	360	ug/Kg	1	08/11/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
4-Chloroaniline	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
4-Nitrophenol	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
Acenaphthene	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
Acenaphthylene	120	100	ug/Kg	1	08/11/25	MR	SW8270E
Acetophenone	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
Aniline	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Anthracene	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
Benz(a)anthracene	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(a)pyrene	210	200	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(b)fluoranthene	280	250	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(ghi)perylene	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(k)fluoranthene	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
Benzoic acid	ND	720	ug/Kg	1	08/11/25	MR	SW8270E
Benzyl butyl phthalate	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	360	ug/Kg	1	08/11/25	MR	SW8270E
Carbazole	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
Chrysene	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
Dibenz(a,h)anthracene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Diethyl phthalate	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
Dimethylphthalate	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Di-n-butylphthalate	ND	360	ug/Kg	1	08/11/25	MR	SW8270E
Di-n-octylphthalate	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
Fluoranthene	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
Fluorene	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorobenzene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
Hexachloroethane	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
Isophorone	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
Naphthalene	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/11/25	MR	SW8270E
Pentachlorophenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
Phenanthrene	ND	250	ug/Kg	1	08/11/25	MR	SW8270E
Phenol	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
Pyrene	ND	250	ug/Kg	1	08/11/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	82		%	1	08/11/25	MR	30 - 130 %
% 2-Fluorobiphenyl	66		%	1	08/11/25	MR	30 - 130 %
% 2-Fluorophenol	67		%	1	08/11/25	MR	30 - 130 %
% Nitrobenzene-d5	60		%	1	08/11/25	MR	30 - 130 %
% Phenol-d5	70		%	1	08/11/25	MR	30 - 130 %
% Terphenyl-d14	77		%	1	08/11/25	MR	30 - 130 %

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

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

Comments:

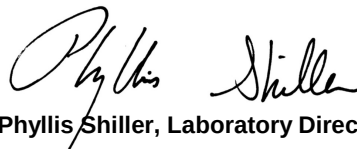
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

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

August 12, 2025

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.

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

Analysis Report

August 12, 2025

FOR: Attn: Walter Sepelak
HRP Associates Inc.
Farmington Business Center
197 Scott Swamp Rd.
Farmington, CT 06032

Sample Information

Matrix: SOIL
Location Code: HRP-DAS
Rush Request: 5 Day
P.O.#:

Custody Information

Collected by: CL
Received by: SR1
Analyzed by: see "By" below

Date

08/05/25
08/05/25

Time

12:40
15:41

Laboratory Data

SDG ID: GCT92027
Phoenix ID: CT92042

Project ID: CTD5017.FW
Client ID: SB-8 (1.5-3')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Arsenic	4.46	0.71	mg/Kg	1	08/06/25	CPP	SW6010D
Barium	47.2	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Beryllium	0.28	0.28	mg/Kg	1	08/06/25	CPP	SW6010D
Cadmium	< 0.36	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Chromium	24.2	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Copper	21.7	0.7	mg/kg	1	08/06/25	CPP	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	08/06/25	aj1/ZT	SW7471B
Nickel	14.1	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Lead	46.6	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Antimony	< 2.0	2.0	mg/Kg	1	08/06/25	CPP	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Silver	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Arsenic	0.009	0.004	mg/L	1	08/06/25	CPP	SW6010D
SPLP Barium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Beryllium	< 0.001	0.001	mg/L	1	08/06/25	CPP	SW6010D
SPLP Cadmium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Chromium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Copper	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Mercury	< 0.0002	0.0002	mg/L	1	08/06/25	AJ1	SW7470A
SPLP Nickel	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Lead	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Antimony	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Selenium	< 0.020	0.020	mg/L	1	08/06/25	CPP	SW6010D
SPLP Thallium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Trivalent Chromium	< 0.010	0.010	mg/L	1	08/06/25		SW6010D
SPLP Vanadium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Zinc	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Thallium	< 0.8	0.8	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Metals Digestion	Completed				08/06/25	AK/GW	SW3010A
Trivalent Chromium	24.2	0.36	mg/kg	1	08/11/25		CALC 6010-7196
Vanadium	25.2	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Zinc	121	0.7	mg/Kg	1	08/06/25	CPP	SW6010D
Percent Solid	88		%		08/05/25	CV	SW846-%Solid
Chromium, Hex. (SW3060A digestion	< 0.40	0.40	mg/Kg	1	08/11/25	NP	SW7196A
pH at 20C - Soil	8.47	1.00	pH Units	1	08/06/25 01:11	KG	SW846 9045D
Redox Potential	255		mV	1	08/06/25	KG	SM2580B-09
SPLP Hexavalent Chromium	< 0.01	0.01	mg/L	1	08/06/25	IG	SW1312/SW3500CRD
Field Extraction	Completed				08/05/25		SW5035A
Mercury Digestion	Completed				08/06/25	SD/GW	SW7471B
Extraction of ETPH	Completed				08/08/25	S/DS	SW3546
Soil Extraction for Herbicide	Completed				08/08/25	X/MQ	SW3546
Soil Extraction for PCB	Completed				08/06/25	S/Q	SW3546
Soil Extraction for Pesticide	Completed				08/06/25	S/Q	SW3546
Soil Extraction for SVOA	Completed				08/11/25	/DS	SW3546
SPLP Digestion Mercury	Completed				08/06/25	AK/GW	SW1312/SW7470A
SPLP Extraction for Metals	Completed				08/05/25	AK	SW1312
SPLP Inorganic Extraction	Completed				08/05/25	AK	SW1311
Total Metals Digest	Completed				08/05/25	N/AG/BF	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	28	ug/Kg	2	08/11/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	28	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-D	ND	28	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-DB	ND	28	ug/Kg	2	08/11/25	JRB	SW8151A
Dalapon	ND	28	ug/Kg	2	08/11/25	JRB	SW8151A
Dicamba	ND	28	ug/Kg	2	08/11/25	JRB	SW8151A
Dichloroprop	ND	28	ug/Kg	2	08/11/25	JRB	SW8151A
Dinoseb	ND	28	ug/Kg	2	08/11/25	JRB	SW8151A
MCPA	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A
MCPP	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A

QA/QC Surrogates

% DCAA	78		%	2	08/11/25	JRB	30 - 150 %
% DCAA (Confirmation)	64		%	2	08/11/25	JRB	30 - 150 %

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	67	55	mg/Kg	1	08/11/25	JRB	CTETPH
Identification	**		mg/Kg	1	08/11/25	JRB	CTETPH

QA/QC Surrogates

% Terphenyl-d14	81		%	1	08/11/25	JRB	50 - 150 %
% Tricosane(C23)	78		%	1	08/11/25	JRB	50 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	74	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1221	ND	74	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1232	ND	74	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1242	ND	74	ug/Kg	2	08/08/25	SC	SW8082A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB-1248	ND	74	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1254	ND	74	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1260	ND	74	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1262	ND	74	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1268	ND	74	ug/Kg	2	08/08/25	SC	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	96		%	2	08/08/25	SC	30 - 150 %
% DCBP (Confirmation)	89		%	2	08/08/25	SC	30 - 150 %
% TCMX	79		%	2	08/08/25	SC	30 - 150 %
% TCMX (Confirmation)	85		%	2	08/08/25	SC	30 - 150 %
<u>Pesticides</u>							
4,4' -DDD	ND	1.5	ug/Kg	2	08/07/25	KCA	SW8081B
4,4' -DDE	ND	1.5	ug/Kg	2	08/07/25	KCA	SW8081B
4,4' -DDT	ND	1.5	ug/Kg	2	08/07/25	KCA	SW8081B
a-BHC	ND	1.5	ug/Kg	2	08/07/25	KCA	SW8081B
Alachlor	ND	7.4	ug/Kg	2	08/07/25	KCA	SW8081B
Aldrin	ND	1.5	ug/Kg	2	08/07/25	KCA	SW8081B
b-BHC	ND	1.5	ug/Kg	2	08/07/25	KCA	SW8081B
Chlordane	ND	15	ug/Kg	2	08/07/25	KCA	SW8081B
d-BHC	ND	1.5	ug/Kg	2	08/07/25	KCA	SW8081B
Dieldrin	ND	3.7	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan I	ND	7.4	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan II	ND	7.4	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan sulfate	ND	7.4	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin	ND	7.4	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin aldehyde	ND	7.4	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin ketone	ND	7.4	ug/Kg	2	08/07/25	KCA	SW8081B
g-BHC	ND	0.30	ug/Kg	2	08/07/25	KCA	SW8081B
Heptachlor	ND	7.4	ug/Kg	2	08/07/25	KCA	SW8081B
Heptachlor epoxide	ND	7.4	ug/Kg	2	08/07/25	KCA	SW8081B
Methoxychlor	ND	37	ug/Kg	2	08/07/25	KCA	SW8081B
Toxaphene	ND	150	ug/Kg	2	08/07/25	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	62		%	2	08/07/25	KCA	30 - 150 %
% DCBP (Confirmation)	46		%	2	08/07/25	KCA	30 - 150 %
% TCMX	73		%	2	08/07/25	KCA	30 - 150 %
% TCMX (Confirmation)	79		%	2	08/07/25	KCA	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
1,2,4-Trimethylbenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.60	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloroethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloropropane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichloropropane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
2,2-Dichloropropane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
2-Chlorotoluene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
2-Hexanone	ND	30	ug/Kg	1	08/06/25	JLI	SW8260D
2-Isopropyltoluene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
4-Chlorotoluene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	30	ug/Kg	1	08/06/25	JLI	SW8260D
Acetone	ND	300	ug/Kg	1	08/06/25	JLI	SW8260D
Acrylonitrile	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Benzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromobenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromochloromethane	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromodichloromethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromoform	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromomethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon Disulfide	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon tetrachloride	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Chlorobenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroform	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Chloromethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromochloromethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromomethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Dichlorodifluoromethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Ethylbenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Hexachlorobutadiene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Isopropylbenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
m&p-Xylene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	36	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Methylene chloride	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Naphthalene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
n-Butylbenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
n-Propylbenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
o-Xylene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
p-Isopropyltoluene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
sec-Butylbenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Styrene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
tert-Butylbenzene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrachloroethene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	08/06/25	JLI	SW8260D
Toluene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Total Xylenes	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	08/06/25	JLI	SW8260D
Trichloroethene	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorofluoromethane	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	12	ug/Kg	1	08/06/25	JLI	SW8260D
Vinyl chloride	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	103		%	1	08/06/25	JLI	70 - 130 %
% Bromofluorobenzene	86		%	1	08/06/25	JLI	70 - 130 %
% Dibromofluoromethane	100		%	1	08/06/25	JLI	70 - 130 %
% Toluene-d8	95		%	1	08/06/25	JLI	70 - 130 %
<u>Oxygenates & Dioxane</u>							
1,4-Dioxane	ND	20	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Diethyl ether	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Di-isopropyl ether	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Ethyl tert-butyl ether	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
tert-amyl methyl ether	ND	6.0	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	50	ug/Kg	1	08/11/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
1,2,4-Trichlorobenzene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
1,2-Dichlorobenzene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
1,3-Dichlorobenzene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
1,4-Dichlorobenzene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dichlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dimethylphenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dinitrotoluene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
2-Chloronaphthalene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
2-Chlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2-Methylnaphthalene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
2-Nitrophenol	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	380	ug/Kg	1	08/11/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
3-Nitroaniline	ND	100	ug/Kg	1	08/11/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	380	ug/Kg	1	08/11/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
4-Chloroaniline	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
4-Nitrophenol	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Acenaphthene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Acenaphthylene	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
Acetophenone	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Aniline	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Anthracene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Benz(a)anthracene	440	260	ug/Kg	1	08/11/25	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(a)pyrene	400	260	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(b)fluoranthene	440	260	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(ghi)perylene	390	260	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(k)fluoranthene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Benzoic acid	ND	750	ug/Kg	1	08/11/25	MR	SW8270E
Benzyl butyl phthalate	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	380	ug/Kg	1	08/11/25	MR	SW8270E
Carbazole	100	100	ug/Kg	1	08/11/25	MR	SW8270E
Chrysene	400	260	ug/Kg	1	08/11/25	MR	SW8270E
Dibenz(a,h)anthracene	290	260	ug/Kg	1	08/11/25	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Diethyl phthalate	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Dimethylphthalate	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Di-n-butylphthalate	ND	380	ug/Kg	1	08/11/25	MR	SW8270E
Di-n-octylphthalate	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Fluoranthene	990	260	ug/Kg	1	08/11/25	MR	SW8270E
Fluorene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorobenzene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Hexachloroethane	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	390	260	ug/Kg	1	08/11/25	MR	SW8270E
Isophorone	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Naphthalene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/11/25	MR	SW8270E
Pentachlorophenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
Phenanthrene	970	260	ug/Kg	1	08/11/25	MR	SW8270E
Phenol	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
Pyrene	780	260	ug/Kg	1	08/11/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Pyridine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	87		%	1	08/11/25	MR	30 - 130 %
% 2-Fluorobiphenyl	62		%	1	08/11/25	MR	30 - 130 %
% 2-Fluorophenol	64		%	1	08/11/25	MR	30 - 130 %
% Nitrobenzene-d5	58		%	1	08/11/25	MR	30 - 130 %
% Phenol-d5	66		%	1	08/11/25	MR	30 - 130 %
% Terphenyl-d14	85		%	1	08/11/25	MR	30 - 130 %

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

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

Comments:

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.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:
This sample is in a reducing state.

TPH Comment:

**Petroleum hydrocarbon chromatogram contains a multicomponent hydrocarbon distribution in the range of C16 to C36. The sample was quantitated against a C9-C36 alkane hydrocarbon standard.

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

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



Phyllis Shiller, Laboratory Director

August 12, 2025

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.

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

Analysis Report

August 12, 2025

FOR: Attn: Walter Sepelak
HRP Associates Inc.
Farmington Business Center
197 Scott Swamp Rd.
Farmington, CT 06032

Sample Information

Matrix: SOIL
Location Code: HRP-DAS
Rush Request: 5 Day
P.O.#:

Custody Information

Collected by: CL
Received by: SR1
Analyzed by: see "By" below

Date

08/05/25
08/05/25

Time

6:00
15:41

Laboratory Data

SDG ID: GCT92027
Phoenix ID: CT92043

Project ID: CTD5017.FW
Client ID: TB LL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				08/05/25		SW5035A
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.5	ug/Kg	1	08/05/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
1,1-Dichloroethane	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
1,1-Dichloroethene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
1,1-Dichloropropene	ND	1.0	ug/Kg	1	08/05/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.50	ug/Kg	1	08/05/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
1,2-Dichloroethane	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
1,2-Dichloropropane	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
1,3-Dichloropropane	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
2,2-Dichloropropane	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
2-Chlorotoluene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
2-Hexanone	ND	25	ug/Kg	1	08/05/25	JLI	SW8260D
2-Isopropyltoluene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	25	ug/Kg	1	08/05/25	JLI	SW8260D
Acetone	ND	250	ug/Kg	1	08/05/25	JLI	SW8260D
Acrylonitrile	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
Benzene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
Bromobenzene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
Bromochloromethane	ND	1.0	ug/Kg	1	08/05/25	JLI	SW8260D
Bromodichloromethane	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
Bromoform	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
Bromomethane	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
Carbon Disulfide	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
Carbon tetrachloride	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
Chlorobenzene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
Chloroethane	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
Chloroform	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
Chloromethane	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/05/25	JLI	SW8260D
Dibromochloromethane	ND	0.5	ug/Kg	1	08/05/25	JLI	SW8260D
Dibromomethane	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
Dichlorodifluoromethane	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
Ethylbenzene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
Hexachlorobutadiene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
Isopropylbenzene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
m&p-Xylene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	30	ug/Kg	1	08/05/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	08/05/25	JLI	SW8260D
Methylene chloride	ND	10	ug/Kg	1	08/05/25	JLI	SW8260D
Naphthalene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
n-Butylbenzene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
n-Propylbenzene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
o-Xylene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
p-Isopropyltoluene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
sec-Butylbenzene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
Styrene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
tert-Butylbenzene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
Tetrachloroethene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	10	ug/Kg	1	08/05/25	JLI	SW8260D
Toluene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
Total Xylenes	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/05/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	1	08/05/25	JLI	SW8260D
Trichloroethene	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
Trichlorofluoromethane	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	10	ug/Kg	1	08/05/25	JLI	SW8260D
Vinyl chloride	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98		%	1	08/05/25	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene	92		%	1	08/05/25	JLI	70 - 130 %
% Dibromofluoromethane	106		%	1	08/05/25	JLI	70 - 130 %
% Toluene-d8	94		%	1	08/05/25	JLI	70 - 130 %

Oxygenates & Dioxane

1,4-Dioxane	ND	20	ug/Kg	1	08/05/25	JLI	SW8260D (OXY)
Diethyl ether	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D (OXY)
Di-isopropyl ether	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D (OXY)
Ethyl tert-butyl ether	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D (OXY)
tert-amyl methyl ether	ND	5.0	ug/Kg	1	08/05/25	JLI	SW8260D (OXY)

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

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

Comments:

TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

August 12, 2025

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.

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

Analysis Report

August 12, 2025

FOR: Attn: Walter Sepelak
HRP Associates Inc.
Farmington Business Center
197 Scott Swamp Rd.
Farmington, CT 06032

Sample Information

Matrix: SOIL
Location Code: HRP-DAS
Rush Request: 5 Day
P.O.#:

Custody Information

Collected by: CL
Received by: SR1
Analyzed by: see "By" below

Date

08/05/25
08/05/25

Time

6:00
15:41

Laboratory Data

SDG ID: GCT92027
Phoenix ID: CT92044

Project ID: CTD5017.FW
Client ID: TB HL

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Field Extraction	Completed				08/05/25		SW5035A
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	50	ug/Kg	50	08/05/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	50	ug/Kg	50	08/05/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	50	ug/Kg	50	08/05/25	JLI	SW8260D
1,1-Dichloroethane	ND	50	ug/Kg	50	08/05/25	JLI	SW8260D
1,1-Dichloroethene	ND	140	ug/Kg	50	08/05/25	JLI	SW8260D
1,1-Dichloropropene	ND	25	ug/Kg	50	08/05/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	200	ug/Kg	50	08/05/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	50	ug/Kg	50	08/05/25	JLI	SW8260D
1,2-Dibromoethane	ND	25	ug/Kg	50	08/05/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
1,2-Dichloroethane	ND	25	ug/Kg	50	08/05/25	JLI	SW8260D
1,2-Dichloropropane	ND	50	ug/Kg	50	08/05/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
1,3-Dichloropropane	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	70	ug/Kg	50	08/05/25	JLI	SW8260D
2,2-Dichloropropane	ND	25	ug/Kg	50	08/05/25	JLI	SW8260D
2-Chlorotoluene	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
2-Hexanone	ND	700	ug/Kg	50	08/05/25	JLI	SW8260D
2-Isopropyltoluene	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	100	ug/Kg	50	08/05/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	100	ug/Kg	50	08/05/25	JLI	SW8260D
Acetone	ND	600	ug/Kg	50	08/05/25	JLI	SW8260D
Acrylonitrile	ND	25	ug/Kg	50	08/05/25	JLI	SW8260D
Benzene	ND	25	ug/Kg	50	08/05/25	JLI	SW8260D
Bromobenzene	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
Bromochloromethane	ND	25	ug/Kg	50	08/05/25	JLI	SW8260D
Bromodichloromethane	ND	50	ug/Kg	50	08/05/25	JLI	SW8260D
Bromoform	ND	50	ug/Kg	50	08/05/25	JLI	SW8260D
Bromomethane	ND	100	ug/Kg	50	08/05/25	JLI	SW8260D
Carbon Disulfide	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
Carbon tetrachloride	ND	100	ug/Kg	50	08/05/25	JLI	SW8260D
Chlorobenzene	ND	100	ug/Kg	50	08/05/25	JLI	SW8260D
Chloroethane	ND	150	ug/Kg	50	08/05/25	JLI	SW8260D
Chloroform	ND	25	ug/Kg	50	08/05/25	JLI	SW8260D
Chloromethane	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	25	ug/Kg	50	08/05/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	25	ug/Kg	50	08/05/25	JLI	SW8260D
Dibromochloromethane	ND	50	ug/Kg	50	08/05/25	JLI	SW8260D
Dibromomethane	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
Dichlorodifluoromethane	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
Ethylbenzene	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
Hexachlorobutadiene	ND	200	ug/Kg	50	08/05/25	JLI	SW8260D
Isopropylbenzene	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
m&p-Xylene	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	400	ug/Kg	50	08/05/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	50	ug/Kg	50	08/05/25	JLI	SW8260D
Methylene chloride	ND	100	ug/Kg	50	08/05/25	JLI	SW8260D
Naphthalene	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
n-Butylbenzene	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
n-Propylbenzene	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
o-Xylene	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
p-Isopropyltoluene	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
sec-Butylbenzene	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
Styrene	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
tert-Butylbenzene	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
Tetrachloroethene	ND	100	ug/Kg	50	08/05/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	130	ug/Kg	50	08/05/25	JLI	SW8260D
Toluene	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
Total Xylenes	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	100	ug/Kg	50	08/05/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	25	ug/Kg	50	08/05/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	500	ug/Kg	50	08/05/25	JLI	SW8260D
Trichloroethene	ND	30	ug/Kg	50	08/05/25	JLI	SW8260D
Trichlorofluoromethane	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D
Vinyl chloride	ND	40	ug/Kg	50	08/05/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4 (50x)	99		%	50	08/05/25	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Bromofluorobenzene (50x)	92		%	50	08/05/25	JLI	70 - 130 %
% Dibromofluoromethane (50x)	101		%	50	08/05/25	JLI	70 - 130 %
% Toluene-d8 (50x)	95		%	50	08/05/25	JLI	70 - 130 %

Oxygenates & Dioxane

1,4-Dioxane	ND	800	ug/Kg	50	08/05/25	JLI	SW8260D (OXY)
Diethyl ether	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D (OXY)
Di-isopropyl ether	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D (OXY)
Ethyl tert-butyl ether	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D (OXY)
tert-amyl methyl ether	ND	250	ug/Kg	50	08/05/25	JLI	SW8260D (OXY)

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

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

Comments:

TRIP BLANK INCLUDED.

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Phyllis Shiller, Laboratory Director

August 12, 2025

Reviewed and Released by: Phyllis Shiller, Laboratory Director



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

QA/QC Report

August 12, 2025

QA/QC Data

SDG I.D.: GCT92027

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 796870 (mg/kg), QC Sample No: CT92031 (CT92027, CT92028, CT92029, CT92030, CT92031)

Chromium, Hexavalent - Soil

Chromium, Hexavalent	BRL	0.40	<0.41	<0.41	NC	92.4						80 - 120	30
Chromium, Hexavalent (Ins)						89.8			87.5			80 - 120	30
Chromium, Hexavalent (Sol)						90.0			85.2			80 - 120	30

Comment:

Additional Hexavalent Chromium criteria: MS acceptance range is 75-125%.

QA/QC Batch 797326 (mg/kg), QC Sample No: CT92037 (CT92035, CT92036, CT92037, CT92038, CT92039, CT92040, CT92041)

Chromium, Hexavalent - Soil

Chromium, Hexavalent	BRL	0.40	<0.40	<0.40	NC	90.4						80 - 120	30
Chromium, Hexavalent (Ins)						90.5			87.0			80 - 120	30
Chromium, Hexavalent (Sol)						90.8			85.5			80 - 120	30

Comment:

Additional Hexavalent Chromium criteria: MS acceptance range is 75-125%.

QA/QC Batch 797567 (mg/kg), QC Sample No: CT92046 (CT92042)

Chromium, Hexavalent - Soil

Chromium, Hexavalent	BRL	0.40	<0.43	<0.43	NC	97.4						80 - 120	30
Chromium, Hexavalent (Ins)						92.7			93.4			80 - 120	30
Chromium, Hexavalent (Sol)						95.8			86.5			80 - 120	30

Comment:

Additional Hexavalent Chromium criteria: MS acceptance range is 75-125%.

QA/QC Batch 797103 (mg/kg), QC Sample No: CT93750 (CT92032, CT92033, CT92034)

Chromium, Hexavalent - Soil

Chromium, Hexavalent	BRL	0.40	<0.39	<0.39	NC	91.9						80 - 120	30
Chromium, Hexavalent (Ins)						91.7			88.1			80 - 120	30
Chromium, Hexavalent (Sol)						91.8			70.4			80 - 120	30 m

Comment:

The QC sample is in a reducing state, acceptance criteria are not applicable for samples in a reducing state. The soluble spike was analyzed twice with similar recoveries.

Additional Hexavalent Chromium criteria: MS acceptance range is 75-125%.

QA/QC Batch 796873 (mg/L), QC Sample No: CT91495 (CT92027)

Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	94.0			90.5			80 - 120	20
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Comment:

Additional Mercury Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range is 75-125% for aqueous and 80-120% for soils.

QA/QC Batch 796882 (mg/kg), QC Sample No: CT92027 (CT92027, CT92028, CT92029)

Mercury - Soil	BRL	0.03	<0.03	<0.03	NC	83.5	90.1	7.6	104	118	12.6	75 - 125	30
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Comment:

Additional Mercury Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range is 75-125% for aqueous and 80-120% for soils.

QA/QC Data

SDG I.D.: GCT92027

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 796883 (mg/kg), QC Sample No: CT92030 (CT92030, CT92031, CT92032, CT92033, CT92034, CT92035, CT92036, CT92037, CT92038, CT92039, CT92040, CT92041, CT92042)

Mercury - Soil BRL 0.03 <0.03 <0.03 NC 94.5 97.2 2.8 91.9 105 13.3 75 - 125 30

Comment:

Additional Mercury Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range is 75-125% for aqueous and 80-120% for soils.

QA/QC Batch 796874 (mg/L), QC Sample No: CT92045 (CT92028, CT92029, CT92030, CT92031, CT92032, CT92033, CT92034, CT92035, CT92036, CT92037, CT92038, CT92039, CT92040, CT92041, CT92042)

Mercury - Water BRL 0.0002 <0.0002 90.5 90.2 80 - 120 20

Comment:

Additional Mercury Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range is 75-125% for aqueous and 80-120% for soils.

QA/QC Batch 796877 (mg/L), QC Sample No: CT92027 (CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033, CT92034, CT92035, CT92036, CT92037, CT92038, CT92039, CT92040, CT92041, CT92042)

ICP Metals - SPLP Extraction

Antimony	BRL	0.005	<0.005	<0.005	NC	102	104	1.9	102			80 - 120	20
Arsenic	BRL	0.004	0.021	0.020	4.90	102	105	2.9	103			80 - 120	20
Barium	BRL	0.010	0.033	0.033	NC	103	105	1.9	104			80 - 120	20
Beryllium	BRL	0.001	<0.001	<0.001	NC	104	106	1.9	104			80 - 120	20
Cadmium	BRL	0.005	<0.005	<0.005	NC	102	104	1.9	102			80 - 120	20
Chromium	BRL	0.010	<0.010	<0.010	NC	103	106	2.9	103			80 - 120	20
Copper	BRL	0.010	0.013	0.014	NC	103	105	1.9	104			80 - 120	20
Lead	BRL	0.010	0.028	0.029	NC	102	104	1.9	102			80 - 120	20
Nickel	BRL	0.010	<0.010	<0.010	NC	102	104	1.9	102			80 - 120	20
Selenium	BRL	0.020	<0.020	<0.020	NC	106	107	0.9	104			80 - 120	20
Silver	BRL	0.010	<0.010	<0.010	NC	105	107	1.9	105			80 - 120	20
Thallium	BRL	0.005	<0.005	<0.005	NC	103	105	1.9	103			80 - 120	20
Vanadium	BRL	0.010	0.015	0.015	NC	103	105	1.9	103			80 - 120	20
Zinc	BRL	0.010	0.089	0.088	1.10	103	104	1.0	102			80 - 120	20

Comment:

Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range 75-125%.

QA/QC Batch 796784 (mg/kg), QC Sample No: CT92041 (CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033, CT92034, CT92035, CT92036, CT92037, CT92038, CT92039, CT92040, CT92041)

ICP Metals - Soil

Antimony	BRL	3.3	<2.0	<3.7	NC	89.2	85.7	4.0	88.7			75 - 125	30
Arsenic	BRL	0.67	7.08	6.88	2.90	80.4	77.5	3.7	90.3			75 - 125	30
Barium	BRL	0.33	126	65.4	63.3	102	89.3	13.3	75.6			75 - 125	30
Beryllium	BRL	0.27	0.51	0.30	NC	98.4	95.4	3.1	99.0			75 - 125	30
Cadmium	BRL	0.33	<0.37	<0.37	NC	94.0	89.9	4.5	98.3			75 - 125	30
Chromium	BRL	0.33	61.6	64.1	4.00	96.2	94.2	2.1	108			75 - 125	30
Copper	BRL	0.67	27.9	17.7	44.7	99.3	95.3	4.1	100			75 - 125	30
Lead	BRL	0.33	125	63.7	65.0	96.7	92.2	4.8	77.9			75 - 125	30
Nickel	BRL	0.33	17.9	14.2	23.1	98.7	95.9	2.9	97.3			75 - 125	30
Selenium	BRL	1.3	<1.5	<1.5	NC	88.7	83.9	5.6	80.8			75 - 125	30
Silver	BRL	0.33	<0.37	<0.37	NC	101	98.8	2.2	94.2			75 - 125	30
Thallium	BRL	3.0	<0.8	<3.3	NC	93.1	87.0	6.8	95.6			75 - 125	30
Vanadium	BRL	0.33	22.6	19.7	13.7	96.1	93.3	3.0	96.6			75 - 125	30
Zinc	BRL	0.67	74.7	65.0	13.9	94.2	91.7	2.7	98.1			75 - 125	30

Comment:

Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range 75-125%.

QA/QC Data

SDG I.D.: GCT92027

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 796785 (mg/kg), QC Sample No: CT92111 (CT92042)

ICP Metals - Soil

Antimony	BRL	3.3	<3.2	<3.2	NC	85.0	91.2	7.0	89.6			75 - 125	30
Arsenic	BRL	0.67	1.84	1.30	NC	77.9	79.4	1.9	89.9			75 - 125	30
Barium	BRL	0.33	6.43	6.75	4.90	104	90.9	13.4	103			75 - 125	30
Beryllium	BRL	0.27	<0.26	0.33	NC	94.9	98.6	3.8	97.9			75 - 125	30
Cadmium	BRL	0.33	<0.32	<0.32	NC	95.4	96.6	1.2	98.6			75 - 125	30
Chromium	BRL	0.33	4.26	3.56	17.9	95.1	100	5.0	99.5			75 - 125	30
Copper	BRL	0.67	3.7	3.66	1.10	95.0	98.5	3.6	100			75 - 125	30
Lead	BRL	0.33	34.0	33.8	0.60	94.3	93.9	0.4	97.7			75 - 125	30
Nickel	BRL	0.33	2.56	2.24	13.3	94.4	100	5.8	97.6			75 - 125	30
Selenium	BRL	1.3	<1.3	<1.3	NC	85.1	85.5	0.5	78.9			75 - 125	30
Silver	BRL	0.33	<0.32	<0.32	NC	99.1	100	0.9	95.4			75 - 125	30
Thallium	BRL	3.0	<2.9	<2.8	NC	94.4	93.5	1.0	96.4			75 - 125	30
Vanadium	BRL	0.33	11.5	10.3	11.0	93.4	97.9	4.7	98.4			75 - 125	30
Zinc	BRL	0.67	17.2	20.1	15.5	90.9	94.2	3.6	93.1			75 - 125	30

Comment:

Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range 75-125%.

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

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



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

QA/QC Report

August 12, 2025

QA/QC Data

SDG I.D.: GCT92027

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 796845 (PH), QC Sample No: CT90905 (CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033)													
pH			5.79	5.80	0.20	100						85 - 115	20
Comment:													
Additional: LCS acceptance range is 85-115% MS acceptance range 75-125%.													
QA/QC Batch 796846 (PH), QC Sample No: CT92034 (CT92034, CT92035, CT92036, CT92037, CT92038, CT92039, CT92040, CT92041, CT92042)													
pH			9.06	9.04	0.20	100						85 - 115	20
Comment:													
Additional: LCS acceptance range is 85-115% MS acceptance range 75-125%.													
QA/QC Batch 796847 (mV), QC Sample No: CT92034 (CT92034, CT92035, CT92036, CT92037, CT92038, CT92039, CT92040, CT92041, CT92042)													
Redox Potential			187	174	NC							75 - 125	30
Comment:													
Additional: LCS acceptance range is 85-115% MS acceptance range 75-125%.													
QA/QC Batch 796934 (mg/L), QC Sample No: CT92988 (CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033, CT92034, CT92035, CT92036, CT92037, CT92038, CT92039, CT92040, CT92041, CT92042)													
Chromium, Hexavalent	BRL	0.01	<0.01	<0.01	NC	91.9			87.5			80 - 120	20
Comment:													
Additional Hexavalent Chromium criteria: MS acceptance range is 75-125%.													



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QA/QC Report

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QA/QC Data

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Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 797449 (mg/Kg), QC Sample No: CT90449 (CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033)										
TPH by GC (Extractable Products) - Soil										
Ext. Petroleum H.C. (C9-C36)	ND	50	106	88	18.6	130	110	16.7	50 - 150	30
% Terphenyl-d14	83	%	96	81	16.9	Intf	Intf	NC	50 - 150	30
% Tricosane(C23)	86	%	97	82	16.8	100	90	10.5	50 - 150	30

Comment:

The ETPH/DRO LCS has been normalized based on the alkane calibration.

QA/QC Batch 797473 (mg/Kg), QC Sample No: CT92035 (CT92034, CT92035, CT92036, CT92037, CT92038, CT92039, CT92040, CT92041, CT92042)

TPH by GC (Extractable Products) - Soil

Ext. Petroleum H.C. (C9-C36)	ND	50	84	101	18.4	101	95	6.1	50 - 150	30
% Terphenyl-d14	75	%	73	84	14.0	97	90	7.5	50 - 150	30
% Tricosane(C23)	81	%	70	77	9.5	89	84	5.8	50 - 150	30

Comment:

The ETPH/DRO LCS has been normalized based on the alkane calibration.

QA/QC Batch 797238 (ug/Kg), QC Sample No: CT92031 (CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033)

Chlorinated Herbicides - Soil

2,4,5-T	ND	130	60	56	6.9	55	47	15.7	40 - 140	30
2,4,5-TP (Silvex)	ND	130	77	71	8.1	57	50	13.1	40 - 140	30
2,4-D	ND	250	67	62	7.8	62	53	15.7	40 - 140	30
2,4-DB	ND	2500	51	51	0.0	52	44	16.7	40 - 140	30
Dalapon	ND	130	48	50	4.1	50	40	22.2	40 - 140	30
Dicamba	ND	130	63	58	8.3	62	49	23.4	40 - 140	30
Dichloroprop	ND	130	66	61	7.9	64	59	8.1	40 - 140	30
Dinoseb	ND	130	59	49	18.5	56	45	21.8	40 - 140	30
MCPA	ND	38000	51	48	6.1	48	39	20.7	40 - 140	30
MCPP	ND	38000	54	49	9.7	53	41	25.5	40 - 140	30
% DCAA (Surrogate Rec)	76	%	83	77	7.5	73	70	4.2	30 - 150	30
% DCAA (Surrogate Rec) (Confirm)	72	%	82	76	7.6	73	69	5.6	30 - 150	30

Comment:

8151 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Batch 797286 (ug/Kg), QC Sample No: CT92035 (CT92034, CT92035, CT92036, CT92037, CT92038, CT92039, CT92040, CT92041, CT92042)

Chlorinated Herbicides - Soil

2,4,5-T	ND	130	56	54	3.6	47	46	2.2	40 - 140	30
2,4,5-TP (Silvex)	ND	130	74	71	4.1	59	59	0.0	40 - 140	30
2,4-D	ND	250	65	62	4.7	55	53	3.7	40 - 140	30
2,4-DB	ND	2500	54	49	9.7	46	43	6.7	40 - 140	30
Dalapon	ND	130	53	61	14.0	46	47	2.2	40 - 140	30
Dicamba	ND	130	66	70	5.9	51	52	1.9	40 - 140	30
Dichloroprop	ND	130	71	69	2.9	60	57	5.1	40 - 140	30

QA/QC Data

SDG I.D.: GCT92027

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Dinoseb	ND	130	62	66	6.3	47	44	6.6	40 - 140	30
MCPA	ND	38000	76	74	2.7	68	65	4.5	40 - 140	30
MCPP	ND	38000	78	76	2.6	88	72	20.0	40 - 140	30
% DCAA (Surrogate Rec)	108	%	93	89	4.4	83	76	8.8	30 - 150	30
% DCAA (Surrogate Rec) (Confirm	85	%	73	70	4.2	69	62	10.7	30 - 150	30

Comment:

8151 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Batch 797033 (ug/Kg), QC Sample No: CT90449 (CT92036, CT92037, CT92038, CT92039, CT92040, CT92041, CT92042)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	33	96	80	18.2	81	84	3.6	40 - 140	30
PCB-1221	ND	33							40 - 140	30
PCB-1232	ND	33							40 - 140	30
PCB-1242	ND	33							40 - 140	30
PCB-1248	ND	33							40 - 140	30
PCB-1254	ND	33							40 - 140	30
PCB-1260	ND	33	102	80	24.2	75	79	5.2	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30
% DCBP (Surrogate Rec)	76	%	100	96	4.1	95	89	6.5	30 - 150	30
% DCBP (Surrogate Rec) (Confirm	72	%	96	89	7.6	92	90	2.2	30 - 150	30
% TCMX (Surrogate Rec)	70	%	91	86	5.6	84	85	1.2	30 - 150	30
% TCMX (Surrogate Rec) (Confirm	69	%	95	92	3.2	90	91	1.1	30 - 150	30

QA/QC Batch 796960 (ug/Kg), QC Sample No: CT92034 (CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033, CT92034, CT92035)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	33	81	64	23.4	59	68	14.2	40 - 140	30
PCB-1221	ND	33							40 - 140	30
PCB-1232	ND	33							40 - 140	30
PCB-1242	ND	33							40 - 140	30
PCB-1248	ND	33							40 - 140	30
PCB-1254	ND	33							40 - 140	30
PCB-1260	ND	33	79	65	19.4	60	61	1.7	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30
% DCBP (Surrogate Rec)	69	%	88	72	20.0	62	71	13.5	30 - 150	30
% DCBP (Surrogate Rec) (Confirm	69	%	84	66	24.0	57	65	13.1	30 - 150	30
% TCMX (Surrogate Rec)	66	%	81	63	25.0	52	70	29.5	30 - 150	30
% TCMX (Surrogate Rec) (Confirm	62	%	86	73	16.4	62	76	20.3	30 - 150	30

QA/QC Batch 796973 (ug/Kg), QC Sample No: CT89203 (CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033, CT92034, CT92035)

Pesticides - Soil

4,4' -DDD	ND	1.7	77	69	11.0	NC	NC	NC	40 - 140	30
4,4' -DDE	ND	1.7	78	71	9.4	60	79	27.3	40 - 140	30
4,4' -DDT	ND	1.7	72	66	8.7	NC	NC	NC	40 - 140	30
α-BHC	ND	1.0	68	68	0.0	54	61	12.2	40 - 140	30
Alachlor	ND	3.3	NA	NA	NC	NA	NA	NC	40 - 140	30
Aldrin	ND	1.0	71	69	2.9	53	61	14.0	40 - 140	30
β-BHC	ND	1.0	91	87	4.5	50	103	69.3	40 - 140	30
Chlordane	ND	33	68	67	1.5	57	70	20.5	40 - 140	30
d-BHC	ND	3.3	57	52	9.2	38	46	19.0	40 - 140	30
Dieldrin	ND	1.0	71	62	13.5	47	50	6.2	40 - 140	30

QA/QC Data

SDG I.D.: GCT92027

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Endosulfan I	ND	3.3	80	72	10.5	57	65	13.1	40 - 140	30
Endosulfan II	ND	3.3	80	70	13.3	49	59	18.5	40 - 140	30
Endosulfan sulfate	ND	3.3	69	63	9.1	53	63	17.2	40 - 140	30
Endrin	ND	3.3	76	67	12.6	58	57	1.7	40 - 140	30
Endrin aldehyde	ND	3.3	74	66	11.4	56	60	6.9	40 - 140	30
Endrin ketone	ND	3.3	74	66	11.4	39	44	12.0	40 - 140	30
g-BHC	ND	1.0	74	74	0.0	79	98	21.5	40 - 140	30
Heptachlor	ND	3.3	74	72	2.7	53	62	15.7	40 - 140	30
Heptachlor epoxide	ND	3.3	75	84	11.3	59	68	14.2	40 - 140	30
Methoxychlor	ND	3.3	77	69	11.0	62	76	20.3	40 - 140	30
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	48	%	59	58	1.7	43	49	13.0	30 - 150	30
% DCBP (Confirmation)	39	%	40	39	2.5	33	35	5.9	30 - 150	30
% TCMX	56	%	69	71	2.9	55	57	3.6	30 - 150	30
% TCMX (Confirmation)	54	%	66	68	3.0	62	70	12.1	30 - 150	30

Comment:

8081 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Batch 797034 (ug/Kg), QC Sample No: CT90449 (CT92036, CT92037, CT92038, CT92039, CT92040, CT92041, CT92042)

Pesticides - Soil

4,4' -DDD	ND	1.7	83	78	6.2	135	130	3.8	40 - 140	30	
4,4' -DDE	ND	1.7	84	82	2.4	92	82	11.5	40 - 140	30	
4,4' -DDT	ND	1.7	80	76	5.1	106	101	4.8	40 - 140	30	
a-BHC	ND	1.0	82	81	1.2	124	115	7.5	40 - 140	30	
Alachlor	ND	3.3	NA	NA	NC	NA	NA	NC	40 - 140	30	
Aldrin	ND	1.0	83	82	1.2	87	79	9.6	40 - 140	30	
b-BHC	ND	1.0	111	108	2.7	114	101	12.1	40 - 140	30	
Chlordane	ND	33	76	73	4.0	86	74	15.0	40 - 140	30	
d-BHC	ND	3.3	62	59	5.0	68	53	24.8	40 - 140	30	
Dieldrin	ND	1.0	76	75	1.3	89	81	9.4	40 - 140	30	
Endosulfan I	ND	3.3	87	86	1.2	82	69	17.2	40 - 140	30	
Endosulfan II	ND	3.3	85	82	3.6	94	84	11.2	40 - 140	30	
Endosulfan sulfate	ND	3.3	72	71	1.4	86	76	12.3	40 - 140	30	
Endrin	ND	3.3	80	79	1.3	109	105	3.7	40 - 140	30	
Endrin aldehyde	ND	3.3	76	72	5.4	79	47	50.8	40 - 140	30	r
Endrin ketone	ND	3.3	81	80	1.2	90	80	11.8	40 - 140	30	
g-BHC	ND	1.0	90	87	3.4	96	86	11.0	40 - 140	30	
Heptachlor	ND	3.3	84	83	1.2	95	88	7.7	40 - 140	30	
Heptachlor epoxide	ND	3.3	87	86	1.2	100	88	12.8	40 - 140	30	
Methoxychlor	ND	3.3	81	76	6.4	102	65	44.3	40 - 140	30	r
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	71	%	65	66	1.5	98	95	3.1	30 - 150	30	
% DCBP (Confirmation)	44	%	44	43	2.3	56	53	5.5	30 - 150	30	
% TCMX	85	%	84	83	1.2	85	75	12.5	30 - 150	30	
% TCMX (Confirmation)	76	%	80	77	3.8	76	68	11.1	30 - 150	30	

Comment:

8081 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Batch 797586 (ug/kg), QC Sample No: CT92041 (CT92041, CT92042)

Semivolatiles - Soil

1,1-Biphenyl	ND	230	64	65	1.6	62	62	0.0	40 - 140	30
1,2,4,5-Tetrachlorobenzene	ND	230	62	64	3.2	59	56	5.2	40 - 140	30

QA/QC Data

SDG I.D.: GCT92027

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2,4-Trichlorobenzene	ND	230	60	62	3.3	57	54	5.4	40 - 140	30
1,2-Dichlorobenzene	ND	180	55	57	3.6	50	54	7.7	40 - 140	30
1,2-Diphenylhydrazine	ND	230	69	68	1.5	64	65	1.6	40 - 140	30
1,3-Dichlorobenzene	ND	230	53	56	5.5	48	51	6.1	40 - 140	30
1,4-Dichlorobenzene	ND	230	52	55	5.6	47	51	8.2	40 - 140	30
2,2'-Oxybis(1-Chloropropane)	ND	230	44	46	4.4	41	43	4.8	40 - 140	30
2,4,5-Trichlorophenol	ND	230	78	77	1.3	71	74	4.1	30 - 130	30
2,4,6-Trichlorophenol	ND	130	81	81	0.0	76	77	1.3	30 - 130	30
2,4-Dichlorophenol	ND	130	76	78	2.6	76	69	9.7	30 - 130	30
2,4-Dimethylphenol	ND	230	73	76	4.0	64	58	9.8	30 - 130	30
2,4-Dinitrophenol	ND	230	80	79	1.3	57	50	13.1	30 - 130	30
2,4-Dinitrotoluene	ND	130	86	85	1.2	79	80	1.3	40 - 140	30
2,6-Dinitrotoluene	ND	130	82	81	1.2	78	77	1.3	40 - 140	30
2-Chloronaphthalene	ND	230	67	69	2.9	65	66	1.5	40 - 140	30
2-Chlorophenol	ND	230	67	72	7.2	64	65	1.6	30 - 130	30
2-Methylnaphthalene	ND	230	74	78	5.3	72	68	5.7	40 - 140	30
2-Methylphenol (o-cresol)	ND	230	62	65	4.7	56	56	0.0	30 - 130	30
2-Nitroaniline	ND	330	97	94	3.1	89	90	1.1	40 - 140	30
2-Nitrophenol	ND	230	61	65	6.3	60	58	3.4	30 - 130	30
3&4-Methylphenol (m&p-cresol)	ND	230	72	76	5.4	68	68	0.0	30 - 130	30
3,3'-Dichlorobenzidine	ND	130	98	94	4.2	73	71	2.8	40 - 140	30
3-Nitroaniline	ND	330	94	94	0.0	87	87	0.0	40 - 140	30
4,6-Dinitro-2-methylphenol	ND	230	92	90	2.2	76	75	1.3	30 - 130	30
4-Bromophenyl phenyl ether	ND	230	76	75	1.3	71	72	1.4	40 - 140	30
4-Chloro-3-methylphenol	ND	230	81	81	0.0	77	72	6.7	30 - 130	30
4-Chloroaniline	ND	230	72	74	2.7	65	59	9.7	40 - 140	30
4-Chlorophenyl phenyl ether	ND	230	73	74	1.4	68	70	2.9	40 - 140	30
4-Nitroaniline	ND	230	78	76	2.6	74	74	0.0	40 - 140	30
4-Nitrophenol	ND	230	133	135	1.5	129	131	1.5	30 - 130	30 l,m
Acenaphthene	ND	230	68	69	1.5	64	66	3.1	40 - 140	30
Acenaphthylene	ND	130	62	62	0.0	59	60	1.7	40 - 140	30
Acetophenone	ND	230	61	65	6.3	58	60	3.4	40 - 140	30
Aniline	ND	330	61	63	3.2	46	47	2.2	40 - 140	30
Anthracene	ND	230	76	75	1.3	71	72	1.4	40 - 140	30
Benz(a)anthracene	ND	230	77	75	2.6	69	70	1.4	40 - 140	30
Benzidine	ND	330	88	88	0.0	22	20	9.5	40 - 140	30 m
Benzo(a)pyrene	ND	130	80	81	1.2	64	68	6.1	40 - 140	30
Benzo(b)fluoranthene	ND	160	78	78	0.0	68	71	4.3	40 - 140	30
Benzo(ghi)perylene	ND	230	75	72	4.1	52	58	10.9	40 - 140	30
Benzo(k)fluoranthene	ND	230	75	76	1.3	71	71	0.0	40 - 140	30
Benzoic Acid	ND	670	84	77	8.7	53	48	9.9	30 - 130	30
Benzyl butyl phthalate	ND	230	82	82	0.0	77	78	1.3	40 - 140	30
Bis(2-chloroethoxy)methane	ND	230	63	66	4.7	61	57	6.8	40 - 140	30
Bis(2-chloroethyl)ether	ND	130	57	61	6.8	53	55	3.7	40 - 140	30
Bis(2-ethylhexyl)phthalate	ND	230	82	82	0.0	75	78	3.9	40 - 140	30
Carbazole	ND	230	80	78	2.5	75	75	0.0	40 - 140	30
Chrysene	ND	230	78	77	1.3	67	69	2.9	40 - 140	30
Dibenz(a,h)anthracene	ND	130	82	82	0.0	62	68	9.2	40 - 140	30
Dibenzofuran	ND	230	71	72	1.4	67	68	1.5	40 - 140	30
Diethyl phthalate	ND	230	76	75	1.3	72	72	0.0	40 - 140	30
Dimethylphthalate	ND	230	75	73	2.7	70	70	0.0	40 - 140	30
Di-n-butylphthalate	ND	670	81	80	1.2	76	77	1.3	40 - 140	30
Di-n-octylphthalate	ND	230	84	88	4.7	82	86	4.8	40 - 140	30

QA/QC Data

SDG I.D.: GCT92027

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Fluoranthene	ND	230	79	78	1.3	72	75	4.1	40 - 140	30
Fluorene	ND	230	74	74	0.0	70	71	1.4	40 - 140	30
Hexachlorobenzene	ND	130	71	69	2.9	63	65	3.1	40 - 140	30
Hexachlorobutadiene	ND	230	55	58	5.3	51	49	4.0	40 - 140	30
Hexachlorocyclopentadiene	ND	230	49	49	0.0	36	32	11.8	40 - 140	30
Hexachloroethane	ND	130	53	57	7.3	49	51	4.0	40 - 140	30
Indeno(1,2,3-cd)pyrene	ND	230	79	78	1.3	56	62	10.2	40 - 140	30
Isophorone	ND	130	57	59	3.4	54	50	7.7	40 - 140	30
Naphthalene	ND	230	59	62	5.0	57	54	5.4	40 - 140	30
Nitrobenzene	ND	130	59	63	6.6	57	59	3.4	40 - 140	30
N-Nitrosodimethylamine	ND	230	55	58	5.3	50	51	2.0	40 - 140	30
N-Nitrosodi-n-propylamine	ND	130	62	66	6.3	59	62	5.0	40 - 140	30
N-Nitrosodiphenylamine	ND	130	74	73	1.4	67	68	1.5	40 - 140	30
Pentachloronitrobenzene	ND	230	76	74	2.7	69	71	2.9	40 - 140	30
Pentachlorophenol	ND	230	91	89	2.2	81	83	2.4	30 - 130	30
Phenanthrene	ND	130	75	73	2.7	69	71	2.9	40 - 140	30
Phenol	ND	230	73	77	5.3	75	76	1.3	30 - 130	30
Pyrene	ND	230	79	77	2.6	71	75	5.5	40 - 140	30
Pyridine	ND	230	44	46	4.4	39	38	2.6	40 - 140	30
% 2,4,6-Tribromophenol	80	%	84	84	0.0	81	80	1.2	30 - 130	30
% 2-Fluorobiphenyl	61	%	65	67	3.0	64	63	1.6	30 - 130	30
% 2-Fluorophenol	68	%	66	71	7.3	63	64	1.6	30 - 130	30
% Nitrobenzene-d5	59	%	61	64	4.8	58	60	3.4	30 - 130	30
% Phenol-d5	67	%	69	74	7.0	68	69	1.5	30 - 130	30
% Terphenyl-d14	75	%	80	78	2.5	73	78	6.6	30 - 130	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

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

QA/QC Batch 797428 (ug/kg), QC Sample No: CT95606 (CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033, CT92034)

Semivolatiles - Soil

1,1-Biphenyl	ND	230	64	62	3.2	63	65	3.1	40 - 140	30
1,2,4,5-Tetrachlorobenzene	ND	230	59	58	1.7	57	59	3.4	40 - 140	30
1,2,4-Trichlorobenzene	ND	230	54	55	1.8	55	58	5.3	40 - 140	30
1,2-Dichlorobenzene	ND	180	54	55	1.8	54	59	8.8	40 - 140	30
1,2-Diphenylhydrazine	ND	230	66	65	1.5	67	70	4.4	40 - 140	30
1,3-Dichlorobenzene	ND	230	51	52	1.9	52	56	7.4	40 - 140	30
1,4-Dichlorobenzene	ND	230	51	52	1.9	51	55	7.5	40 - 140	30
2,2'-Oxybis(1-Chloropropane)	ND	230	51	52	1.9	51	56	9.3	40 - 140	30
2,4,5-Trichlorophenol	ND	230	77	73	5.3	75	78	3.9	30 - 130	30
2,4,6-Trichlorophenol	ND	130	77	73	5.3	74	76	2.7	30 - 130	30
2,4-Dichlorophenol	ND	130	71	69	2.9	67	71	5.8	30 - 130	30
2,4-Dimethylphenol	ND	230	71	69	2.9	69	73	5.6	30 - 130	30
2,4-Dinitrophenol	ND	230	93	85	9.0	79	82	3.7	30 - 130	30
2,4-Dinitrotoluene	ND	130	78	77	1.3	77	79	2.6	40 - 140	30
2,6-Dinitrotoluene	ND	130	79	76	3.9	76	81	6.4	40 - 140	30
2-Chloronaphthalene	ND	230	67	65	3.0	66	68	3.0	40 - 140	30
2-Chlorophenol	ND	230	72	69	4.3	67	72	7.2	30 - 130	30
2-Methylnaphthalene	ND	230	70	68	2.9	68	71	4.3	40 - 140	30
2-Methylphenol (o-cresol)	ND	230	69	65	6.0	64	69	7.5	30 - 130	30
2-Nitroaniline	ND	330	95	96	1.0	93	97	4.2	40 - 140	30

QA/QC Data

SDG I.D.: GCT92027

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
2-Nitrophenol	ND	230	58	57	1.7	62	65	4.7	30 - 130	30
3&4-Methylphenol (m&p-cresol)	ND	230	82	78	5.0	76	82	7.6	30 - 130	30
3,3'-Dichlorobenzidine	ND	130	81	79	2.5	85	81	4.8	40 - 140	30
3-Nitroaniline	ND	330	87	84	3.5	83	87	4.7	40 - 140	30
4,6-Dinitro-2-methylphenol	ND	230	89	78	13.2	83	84	1.2	30 - 130	30
4-Bromophenyl phenyl ether	ND	230	72	71	1.4	71	70	1.4	40 - 140	30
4-Chloro-3-methylphenol	ND	230	73	71	2.8	71	73	2.8	30 - 130	30
4-Chloroaniline	ND	230	67	66	1.5	64	67	4.6	40 - 140	30
4-Chlorophenyl phenyl ether	ND	230	70	68	2.9	69	71	2.9	40 - 140	30
4-Nitroaniline	ND	230	75	75	0.0	75	81	7.7	40 - 140	30
4-Nitrophenol	ND	230	92	85	7.9	91	92	1.1	30 - 130	30
Acenaphthene	ND	230	67	65	3.0	66	68	3.0	40 - 140	30
Acenaphthylene	ND	130	60	59	1.7	58	61	5.0	40 - 140	30
Acetophenone	ND	230	66	64	3.1	63	68	7.6	40 - 140	30
Aniline	ND	330	64	63	1.6	59	63	6.6	40 - 140	30
Anthracene	ND	230	71	70	1.4	73	71	2.8	40 - 140	30
Benz(a)anthracene	ND	230	70	68	2.9	71	70	1.4	40 - 140	30
Benzidine	ND	330	87	92	5.6	74	55	29.5	40 - 140	30
Benzo(a)pyrene	ND	130	73	71	2.8	72	72	0.0	40 - 140	30
Benzo(b)fluoranthene	ND	160	72	70	2.8	70	70	0.0	40 - 140	30
Benzo(ghi)perylene	ND	230	65	65	0.0	66	63	4.7	40 - 140	30
Benzo(k)fluoranthene	ND	230	71	69	2.9	69	68	1.5	40 - 140	30
Benzoic Acid	ND	670	94	69	30.7	57	58	1.7	30 - 130	30
Benzyl butyl phthalate	ND	230	76	71	6.8	73	72	1.4	40 - 140	30
Bis(2-chloroethoxy)methane	ND	230	61	60	1.7	58	62	6.7	40 - 140	30
Bis(2-chloroethyl)ether	ND	130	60	61	1.7	60	66	9.5	40 - 140	30
Bis(2-ethylhexyl)phthalate	ND	230	72	69	4.3	71	70	1.4	40 - 140	30
Carbazole	ND	230	71	71	0.0	71	71	0.0	40 - 140	30
Chrysene	ND	230	71	70	1.4	71	71	0.0	40 - 140	30
Dibenz(a,h)anthracene	ND	130	71	72	1.4	72	70	2.8	40 - 140	30
Dibenzofuran	ND	230	68	67	1.5	68	70	2.9	40 - 140	30
Diethyl phthalate	ND	230	71	70	1.4	70	73	4.2	40 - 140	30
Dimethylphthalate	ND	230	71	70	1.4	70	73	4.2	40 - 140	30
Di-n-butylphthalate	ND	670	74	73	1.4	75	75	0.0	40 - 140	30
Di-n-octylphthalate	ND	230	78	77	1.3	78	75	3.9	40 - 140	30
Fluoranthene	ND	230	73	73	0.0	74	74	0.0	40 - 140	30
Fluorene	ND	230	73	70	4.2	72	74	2.7	40 - 140	30
Hexachlorobenzene	ND	130	67	66	1.5	68	67	1.5	40 - 140	30
Hexachlorobutadiene	ND	230	50	51	2.0	51	55	7.5	40 - 140	30
Hexachlorocyclopentadiene	ND	230	47	41	13.6	42	32	27.0	40 - 140	30
Hexachloroethane	ND	130	53	55	3.7	54	57	5.4	40 - 140	30
Indeno(1,2,3-cd)pyrene	ND	230	68	69	1.5	70	69	1.4	40 - 140	30
Isophorone	ND	130	56	55	1.8	54	58	7.1	40 - 140	30
Naphthalene	ND	230	56	56	0.0	56	59	5.2	40 - 140	30
Nitrobenzene	ND	130	64	63	1.6	62	66	6.3	40 - 140	30
N-Nitrosodimethylamine	ND	230	60	60	0.0	56	62	10.2	40 - 140	30
N-Nitrosodi-n-propylamine	ND	130	66	66	0.0	63	68	7.6	40 - 140	30
N-Nitrosodiphenylamine	ND	130	69	68	1.5	69	72	4.3	40 - 140	30
Pentachloronitrobenzene	ND	230	72	70	2.8	72	71	1.4	40 - 140	30
Pentachlorophenol	ND	230	83	72	14.2	75	75	0.0	30 - 130	30
Phenanthrene	ND	130	70	70	0.0	71	71	0.0	40 - 140	30
Phenol	ND	230	83	72	14.2	69	73	5.6	30 - 130	30
Pyrene	ND	230	71	71	0.0	74	72	2.7	40 - 140	30

QA/QC Data

SDG I.D.: GCT92027

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Pyridine	ND	230	46	47	2.2	43	48	11.0	40 - 140	30
% 2,4,6-Tribromophenol	74	%	69	70	1.4	71	71	0.0	30 - 130	30
% 2-Fluorobiphenyl	67	%	63	61	3.2	61	63	3.2	30 - 130	30
% 2-Fluorophenol	70	%	66	64	3.1	61	66	7.9	30 - 130	30
% Nitrobenzene-d5	69	%	63	62	1.6	60	65	8.0	30 - 130	30
% Phenol-d5	70	%	70	67	4.4	64	69	7.5	30 - 130	30
% Terphenyl-d14	76	%	64	66	3.1	67	65	3.0	30 - 130	30

Comment:

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

QA/QC Batch 797463 (ug/kg), QC Sample No: CT96158 (CT92035, CT92036, CT92037, CT92038, CT92039, CT92040)

Semivolatiles - Soil

1,1-Biphenyl	ND	230	57	61	6.8	54	58	7.1	40 - 140	30	
1,2,4,5-Tetrachlorobenzene	ND	230	58	61	5.0	50	51	2.0	40 - 140	30	
1,2,4-Trichlorobenzene	ND	230	55	57	3.6	49	49	0.0	40 - 140	30	
1,2-Dichlorobenzene	ND	180	54	54	0.0	49	54	9.7	40 - 140	30	
1,2-Diphenylhydrazine	ND	230	68	75	9.8	61	66	7.9	40 - 140	30	
1,3-Dichlorobenzene	ND	230	51	51	0.0	45	49	8.5	40 - 140	30	
1,4-Dichlorobenzene	ND	230	49	51	4.0	46	49	6.3	40 - 140	30	
2,2'-Oxybis(1-Chloropropane)	ND	230	47	50	6.2	43	48	11.0	40 - 140	30	
2,4,5-Trichlorophenol	ND	230	81	91	11.6	68	79	15.0	30 - 130	30	
2,4,6-Trichlorophenol	ND	130	78	85	8.6	69	76	9.7	30 - 130	30	
2,4-Dichlorophenol	ND	130	85	92	7.9	64	70	9.0	30 - 130	30	
2,4-Dimethylphenol	ND	230	87	97	10.9	57	61	6.8	30 - 130	30	
2,4-Dinitrophenol	ND	230	78	121	43.2	43	45	4.5	30 - 130	30	r
2,4-Dinitrotoluene	ND	130	95	109	13.7	78	86	9.8	40 - 140	30	
2,6-Dinitrotoluene	ND	130	89	104	15.5	72	81	11.8	40 - 140	30	
2-Chloronaphthalene	ND	230	60	63	4.9	57	60	5.1	40 - 140	30	
2-Chlorophenol	ND	230	81	91	11.6	66	77	15.4	30 - 130	30	
2-Methylnaphthalene	ND	230	72	77	6.7	63	67	6.2	40 - 140	30	
2-Methylphenol (o-cresol)	ND	230	97	117	18.7	57	85	39.4	30 - 130	30	r
2-Nitroaniline	ND	330	109	160	37.9	94	112	17.5	40 - 140	30	l,r
2-Nitrophenol	ND	230	70	75	6.9	52	59	12.6	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	230	98	117	17.7	67	79	16.4	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	65	105	47.1	73	78	6.6	40 - 140	30	r
3-Nitroaniline	ND	330	102	156	41.9	87	103	16.8	40 - 140	30	l,r
4,6-Dinitro-2-methylphenol	ND	230	98	116	16.8	69	73	5.6	30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	60	63	4.9	54	58	7.1	40 - 140	30	
4-Chloro-3-methylphenol	ND	230	104	123	16.7	73	81	10.4	30 - 130	30	
4-Chloroaniline	ND	230	89	100	11.6	63	65	3.1	40 - 140	30	
4-Chlorophenyl phenyl ether	ND	230	67	72	7.2	61	65	6.3	40 - 140	30	
4-Nitroaniline	ND	230	96	118	20.6	70	81	14.6	40 - 140	30	
4-Nitrophenol	ND	230	118	153	25.8	83	101	19.6	30 - 130	30	l
Acenaphthene	ND	230	62	67	7.8	58	62	6.7	40 - 140	30	
Acenaphthylene	ND	130	58	62	6.7	54	58	7.1	40 - 140	30	
Acetophenone	ND	230	72	79	9.3	60	70	15.4	40 - 140	30	
Aniline	ND	330	82	81	1.2	54	65	18.5	40 - 140	30	
Anthracene	ND	230	66	71	7.3	57	62	8.4	40 - 140	30	
Benz(a)anthracene	ND	230	65	69	6.0	42	45	6.9	40 - 140	30	
Benzidine	ND	330	<10	14	NC	17	16	6.1	40 - 140	30	l,m
Benzo(a)pyrene	ND	130	69	73	5.6	41	44	7.1	40 - 140	30	
Benzo(b)fluoranthene	ND	160	71	70	1.4	33	37	11.4	40 - 140	30	m

QA/QC Data

SDG I.D.: GCT92027

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Benzo(ghi)perylene	ND	230	62	66	6.3	41	40	2.5	40 - 140	30	
Benzo(k)fluoranthene	ND	230	70	71	1.4	51	56	9.3	40 - 140	30	
Benzoic Acid	ND	670	110	149	30.1	67	68	1.5	30 - 130	30	I
Benzyl butyl phthalate	ND	230	70	73	4.2	66	68	3.0	40 - 140	30	
Bis(2-chloroethoxy)methane	ND	230	71	82	14.4	55	60	8.7	40 - 140	30	
Bis(2-chloroethyl)ether	ND	130	63	72	13.3	57	64	11.6	40 - 140	30	
Bis(2-ethylhexyl)phthalate	ND	230	67	68	1.5	65	66	1.5	40 - 140	30	
Carbazole	ND	230	78	92	16.5	72	80	10.5	40 - 140	30	
Chrysene	ND	230	67	71	5.8	42	46	9.1	40 - 140	30	
Dibenz(a,h)anthracene	ND	130	72	74	2.7	55	57	3.6	40 - 140	30	
Dibenzofuran	ND	230	67	72	7.2	61	67	9.4	40 - 140	30	
Diethyl phthalate	ND	230	85	99	15.2	68	78	13.7	40 - 140	30	
Dimethylphthalate	ND	230	90	107	17.3	65	74	12.9	40 - 140	30	
Di-n-butylphthalate	ND	670	75	82	8.9	70	77	9.5	40 - 140	30	
Di-n-octylphthalate	ND	230	76	78	2.6	71	75	5.5	40 - 140	30	
Fluoranthene	ND	230	77	86	11.0	32	40	22.2	40 - 140	30	m
Fluorene	ND	230	72	78	8.0	66	71	7.3	40 - 140	30	
Hexachlorobenzene	ND	130	55	57	3.6	49	48	2.1	40 - 140	30	
Hexachlorobutadiene	ND	230	49	49	0.0	42	42	0.0	40 - 140	30	
Hexachlorocyclopentadiene	ND	230	56	36	43.5	21	25	17.4	40 - 140	30	I,m,r
Hexachloroethane	ND	130	51	51	0.0	45	48	6.5	40 - 140	30	
Indeno(1,2,3-cd)pyrene	ND	230	68	70	2.9	44	45	2.2	40 - 140	30	
Isophorone	ND	130	64	73	13.1	48	54	11.8	40 - 140	30	
Naphthalene	ND	230	58	61	5.0	51	54	5.7	40 - 140	30	
Nitrobenzene	ND	130	67	72	7.2	58	66	12.9	40 - 140	30	
N-Nitrosodimethylamine	ND	230	75	89	17.1	56	66	16.4	40 - 140	30	
N-Nitrosodi-n-propylamine	ND	130	69	79	13.5	59	68	14.2	40 - 140	30	
N-Nitrosodiphenylamine	ND	130	67	88	27.1	68	76	11.1	40 - 140	30	
Pentachloronitrobenzene	ND	230	60	64	6.5	54	57	5.4	40 - 140	30	
Pentachlorophenol	ND	230	78	88	12.0	70	77	9.5	30 - 130	30	
Phenanthrene	ND	130	66	71	7.3	36	41	13.0	40 - 140	30	m
Phenol	ND	230	103	137	28.3	76	91	18.0	30 - 130	30	I
Pyrene	ND	230	79	88	10.8	40	49	20.2	40 - 140	30	
Pyridine	ND	230	63	42	40.0	42	49	15.4	40 - 140	30	r
% 2,4,6-Tribromophenol	80	%	68	72	5.7	63	70	10.5	30 - 130	30	
% 2-Fluorobiphenyl	67	%	55	58	5.3	53	57	7.3	30 - 130	30	
% 2-Fluorophenol	74	%	80	89	10.7	64	74	14.5	30 - 130	30	
% Nitrobenzene-d5	66	%	65	70	7.4	57	66	14.6	30 - 130	30	
% Phenol-d5	72	%	92	113	20.5	66	79	17.9	30 - 130	30	
% Terphenyl-d14	77	%	73	79	7.9	66	74	11.4	30 - 130	30	

Comment:

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

QA/QC Batch 796938 (ug/kg), QC Sample No: CT92542 (CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033, CT92034, CT92035, CT92036, CT92037, CT92038, CT92039, CT92040, CT92041, CT92042, CT92043)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	119	121	1.7	112	118	5.2	70 - 130	20
1,1,1-Trichloroethane	ND	5.0	118	119	0.8	107	110	2.8	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	3.0	89	90	1.1	86	87	1.2	70 - 130	20
1,1,2-Trichloroethane	ND	5.0	90	92	2.2	88	89	1.1	70 - 130	20
1,1-Dichloroethane	ND	5.0	105	106	0.9	94	97	3.1	70 - 130	20
1,1-Dichloroethene	ND	5.0	110	110	0.0	99	103	4.0	70 - 130	20

QA/QC Data

SDG I.D.: GCT92027

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,1-Dichloropropene	ND	5.0	95	94	1.1	92	92	0.0	70 - 130	20
1,2,3-Trichlorobenzene	ND	5.0	94	94	0.0	84	84	0.0	70 - 130	20
1,2,3-Trichloropropane	ND	5.0	87	86	1.2	79	81	2.5	70 - 130	20
1,2,4-Trichlorobenzene	ND	5.0	95	95	0.0	86	87	1.2	70 - 130	20
1,2,4-Trimethylbenzene	ND	1.0	103	102	1.0	102	104	1.9	70 - 130	20
1,2-Dibromo-3-chloropropane	ND	5.0	101	102	1.0	91	88	3.4	70 - 130	20
1,2-Dibromoethane	ND	5.0	96	99	3.1	90	94	4.3	70 - 130	20
1,2-Dichlorobenzene	ND	5.0	98	99	1.0	95	97	2.1	70 - 130	20
1,2-Dichloroethane	ND	5.0	89	90	1.1	84	86	2.4	70 - 130	20
1,2-Dichloropropane	ND	5.0	93	94	1.1	91	92	1.1	70 - 130	20
1,3,5-Trimethylbenzene	ND	1.0	104	104	0.0	104	106	1.9	70 - 130	20
1,3-Dichlorobenzene	ND	5.0	103	101	2.0	98	99	1.0	70 - 130	20
1,3-Dichloropropane	ND	5.0	87	91	4.5	84	86	2.4	70 - 130	20
1,4-Dichlorobenzene	ND	5.0	100	99	1.0	96	97	1.0	70 - 130	20
1,4-dioxane	ND	100	89	100	11.6	108	107	0.9	40 - 160	20
2,2-Dichloropropane	ND	5.0	126	128	1.6	107	113	5.5	70 - 130	20
2-Chlorotoluene	ND	5.0	109	108	0.9	108	109	0.9	70 - 130	20
2-Hexanone	ND	25	80	84	4.9	72	73	1.4	40 - 160	20
2-Isopropyltoluene	ND	5.0	112	111	0.9	112	113	0.9	70 - 130	20
4-Chlorotoluene	ND	5.0	108	108	0.0	105	107	1.9	70 - 130	20
4-Methyl-2-pentanone	ND	25	80	83	3.7	75	74	1.3	40 - 160	20
Acetone	ND	10	81	79	2.5	65	66	1.5	40 - 160	20
Acrylonitrile	ND	5.0	85	86	1.2	72	76	5.4	70 - 130	20
Benzene	ND	1.0	91	92	1.1	90	90	0.0	70 - 130	20
Bromobenzene	ND	5.0	100	100	0.0	98	98	0.0	70 - 130	20
Bromochloromethane	ND	5.0	108	112	3.6	98	102	4.0	70 - 130	20
Bromodichloromethane	ND	5.0	100	102	2.0	95	95	0.0	70 - 130	20
Bromoform	ND	5.0	108	110	1.8	92	95	3.2	70 - 130	20
Bromomethane	ND	5.0	114	114	0.0	106	105	0.9	40 - 160	20
Carbon Disulfide	ND	5.0	109	107	1.9	95	97	2.1	70 - 130	20
Carbon tetrachloride	ND	5.0	136	137	0.7	114	116	1.7	70 - 130	20
Chlorobenzene	ND	5.0	103	103	0.0	102	102	0.0	70 - 130	20
Chloroethane	ND	5.0	112	113	0.9	102	103	1.0	70 - 130	20
Chloroform	ND	5.0	104	106	1.9	95	97	2.1	70 - 130	20
Chloromethane	ND	5.0	123	119	3.3	105	108	2.8	40 - 160	20
cis-1,2-Dichloroethene	ND	5.0	107	107	0.0	95	99	4.1	70 - 130	20
cis-1,3-Dichloropropene	ND	5.0	99	100	1.0	90	91	1.1	70 - 130	20
Dibromochloromethane	ND	3.0	113	116	2.6	105	110	4.7	70 - 130	20
Dibromomethane	ND	5.0	90	92	2.2	86	85	1.2	70 - 130	20
Dichlorodifluoromethane	ND	5.0	129	128	0.8	116	117	0.9	40 - 160	20
Diethyl ether	ND	5.0	95	98	3.1	85	87	2.3	70 - 130	20
Di-isopropyl ether	ND	5.0	99	103	4.0	90	92	2.2	70 - 130	20
Ethyl tert-butyl ether	ND	5.0	100	103	3.0	94	98	4.2	70 - 130	20
Ethylbenzene	ND	1.0	102	104	1.9	104	106	1.9	70 - 130	20
Hexachlorobutadiene	ND	5.0	102	97	5.0	103	100	3.0	70 - 130	20
Isopropylbenzene	ND	1.0	109	111	1.8	110	114	3.6	70 - 130	20
m&p-Xylene	ND	2.0	101	102	1.0	103	105	1.9	70 - 130	20
Methyl ethyl ketone	ND	5.0	85	81	4.8	70	72	2.8	40 - 160	20
Methyl t-butyl ether (MTBE)	ND	1.0	92	94	2.2	83	86	3.6	70 - 130	20
Methylene chloride	ND	5.0	98	101	3.0	89	92	3.3	70 - 130	20
Naphthalene	ND	5.0	98	98	0.0	85	84	1.2	70 - 130	20
n-Butylbenzene	ND	1.0	103	100	3.0	98	100	2.0	70 - 130	20
n-Propylbenzene	ND	1.0	111	110	0.9	111	112	0.9	70 - 130	20

QA/QC Data

SDG I.D.: GCT92027

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
o-Xylene	ND	2.0	100	101	1.0	103	103	0.0	70 - 130	20
p-Isopropyltoluene	ND	1.0	111	110	0.9	111	112	0.9	70 - 130	20
sec-Butylbenzene	ND	1.0	105	104	1.0	104	105	1.0	70 - 130	20
Styrene	ND	5.0	98	99	1.0	97	98	1.0	70 - 130	20
tert-amyl methyl ether	ND	5.0	87	90	3.4	90	90	0.0	70 - 130	20
tert-Butylbenzene	ND	1.0	111	109	1.8	112	112	0.0	70 - 130	20
Tetrachloroethene	ND	5.0	101	98	3.0	102	100	2.0	70 - 130	20
Tetrahydrofuran (THF)	ND	5.0	85	86	1.2	72	73	1.4	70 - 130	20
Toluene	ND	1.0	95	96	1.0	95	94	1.1	70 - 130	20
trans-1,2-Dichloroethene	ND	5.0	109	107	1.9	100	99	1.0	70 - 130	20
trans-1,3-Dichloropropene	ND	5.0	104	106	1.9	92	94	2.2	70 - 130	20
trans-1,4-dichloro-2-butene	ND	5.0	108	107	0.9	84	89	5.8	70 - 130	20
Trichloroethene	ND	5.0	105	104	1.0	102	103	1.0	70 - 130	20
Trichlorofluoromethane	ND	5.0	123	120	2.5	108	109	0.9	70 - 130	20
Trichlorotrifluoroethane	ND	5.0	119	118	0.8	112	111	0.9	70 - 130	20
Vinyl chloride	ND	5.0	110	110	0.0	96	97	1.0	70 - 130	20
% 1,2-dichlorobenzene-d4	99	%	99	98	1.0	97	98	1.0	70 - 130	20
% Bromofluorobenzene	92	%	91	96	5.3	94	96	2.1	70 - 130	20
% Dibromofluoromethane	105	%	99	100	1.0	93	95	2.1	70 - 130	20
% Toluene-d8	95	%	96	97	1.0	97	96	1.0	70 - 130	20

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

The RPD criteria for the LCS/LCSD is 20%,

The MS/MSD RPD criteria is listed above.

QA/QC Batch 796938H (ug/kg), QC Sample No: CT92542 50X (CT92044 (50X))

Volatiles - Soil (High Level)

1,1,1,2-Tetrachloroethane	ND	250	113	111	1.8	105	105	0.0	70 - 130	20
1,1,1-Trichloroethane	ND	250	113	105	7.3	101	98	3.0	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	250	88	81	8.3	85	83	2.4	70 - 130	20
1,1,2-Trichloroethane	ND	250	88	86	2.3	90	87	3.4	70 - 130	20
1,1-Dichloroethane	ND	250	103	96	7.0	97	95	2.1	70 - 130	20
1,1-Dichloroethene	ND	250	92	90	2.2	88	85	3.5	70 - 130	20
1,1-Dichloropropene	ND	250	98	92	6.3	96	94	2.1	70 - 130	20
1,2,3-Trichlorobenzene	ND	250	100	101	1.0	99	99	0.0	70 - 130	20
1,2,3-Trichloropropane	ND	250	82	76	7.6	82	78	5.0	70 - 130	20
1,2,4-Trichlorobenzene	ND	250	106	106	0.0	103	103	0.0	70 - 130	20
1,2,4-Trimethylbenzene	ND	250	108	103	4.7	105	104	1.0	70 - 130	20
1,2-Dibromo-3-chloropropane	ND	250	98	93	5.2	85	86	1.2	70 - 130	20
1,2-Dibromoethane	ND	250	95	92	3.2	94	94	0.0	70 - 130	20
1,2-Dichlorobenzene	ND	250	103	103	0.0	103	102	1.0	70 - 130	20
1,2-Dichloroethane	ND	250	88	81	8.3	88	85	3.5	70 - 130	20
1,2-Dichloropropane	ND	250	94	90	4.3	93	93	0.0	70 - 130	20
1,3,5-Trimethylbenzene	ND	250	108	104	3.8	106	105	0.9	70 - 130	20
1,3-Dichlorobenzene	ND	250	107	105	1.9	105	104	1.0	70 - 130	20
1,3-Dichloropropane	ND	250	88	83	5.8	87	85	2.3	70 - 130	20
1,4-Dichlorobenzene	ND	250	106	104	1.9	104	103	1.0	70 - 130	20
1,4-dioxane	ND	5000	98	96	2.1	96	92	4.3	40 - 160	20
2,2-Dichloropropane	ND	250	112	109	2.7	92	96	4.3	70 - 130	20
2-Chlorotoluene	ND	250	113	111	1.8	109	110	0.9	70 - 130	20
2-Hexanone	ND	1300	77	67	13.9	74	71	4.1	40 - 160	20
2-Isopropyltoluene	ND	250	113	111	1.8	110	111	0.9	70 - 130	20
4-Chlorotoluene	ND	250	113	110	2.7	109	108	0.9	70 - 130	20

QA/QC Data

SDG I.D.: GCT92027

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
4-Methyl-2-pentanone	ND	1300	76	66	14.1	76	74	2.7	40 - 160	20	
Acetone	ND	500	67	54	21.5	62	57	8.4	40 - 160	20	r
Acrylonitrile	ND	250	81	72	11.8	76	74	2.7	70 - 130	20	
Benzene	ND	250	94	91	3.2	94	92	2.2	70 - 130	20	
Bromobenzene	ND	250	101	99	2.0	101	100	1.0	70 - 130	20	
Bromochloromethane	ND	250	105	104	1.0	101	99	2.0	70 - 130	20	
Bromodichloromethane	ND	250	96	89	7.6	90	88	2.2	70 - 130	20	
Bromoform	ND	250	97	92	5.3	82	84	2.4	70 - 130	20	
Bromomethane	ND	250	95	93	2.1	90	91	1.1	40 - 160	20	
Carbon Disulfide	ND	250	85	81	4.8	79	79	0.0	70 - 130	20	
Carbon tetrachloride	ND	250	120	109	9.6	93	97	4.2	70 - 130	20	
Chlorobenzene	ND	250	106	105	0.9	106	105	0.9	70 - 130	20	
Chloroethane	ND	250	79	73	7.9	77	72	6.7	70 - 130	20	
Chloroform	ND	250	102	98	4.0	96	95	1.0	70 - 130	20	
Chloromethane	ND	250	110	102	7.5	102	100	2.0	40 - 160	20	
cis-1,2-Dichloroethene	ND	250	104	102	1.9	102	96	6.1	70 - 130	20	
cis-1,3-Dichloropropene	ND	250	96	91	5.3	88	89	1.1	70 - 130	20	
Dibromochloromethane	ND	150	108	102	5.7	99	98	1.0	70 - 130	20	
Dibromomethane	ND	250	89	85	4.6	90	86	4.5	70 - 130	20	
Dichlorodifluoromethane	ND	250	115	110	4.4	106	105	0.9	40 - 160	20	
Diethyl ether	ND	250	75	65	14.3	71	69	2.9	70 - 130	20	I,m
Di-isopropyl ether	ND	250	101	92	9.3	94	93	1.1	70 - 130	20	
Ethyl tert-butyl ether	ND	250	99	93	6.3	95	93	2.1	70 - 130	20	
Ethylbenzene	ND	250	108	107	0.9	108	106	1.9	70 - 130	20	
Hexachlorobutadiene	ND	250	107	108	0.9	103	103	0.0	70 - 130	20	
Isopropylbenzene	ND	250	113	110	2.7	112	111	0.9	70 - 130	20	
m&p-Xylene	ND	250	106	106	0.0	108	105	2.8	70 - 130	20	
Methyl ethyl ketone	ND	250	75	67	11.3	74	69	7.0	40 - 160	20	
Methyl t-butyl ether (MTBE)	ND	250	93	86	7.8	86	85	1.2	70 - 130	20	
Methylene chloride	ND	250	91	86	5.6	87	86	1.2	70 - 130	20	
Naphthalene	ND	250	99	97	2.0	100	100	0.0	70 - 130	20	
n-Butylbenzene	ND	250	108	103	4.7	105	102	2.9	70 - 130	20	
n-Propylbenzene	ND	250	115	113	1.8	115	110	4.4	70 - 130	20	
o-Xylene	ND	250	105	104	1.0	106	105	0.9	70 - 130	20	
p-Isopropyltoluene	ND	250	114	113	0.9	112	111	0.9	70 - 130	20	
sec-Butylbenzene	ND	250	108	104	3.8	105	106	0.9	70 - 130	20	
Styrene	ND	250	102	101	1.0	101	101	0.0	70 - 130	20	
tert-amyl methyl ether	ND	250	91	86	5.6	89	88	1.1	70 - 130	20	
tert-Butylbenzene	ND	250	112	110	1.8	111	110	0.9	70 - 130	20	
Tetrachloroethene	ND	250	104	104	0.0	105	104	1.0	70 - 130	20	
Tetrahydrofuran (THF)	ND	250	81	70	14.6	76	73	4.0	70 - 130	20	
Toluene	ND	250	98	95	3.1	99	98	1.0	70 - 130	20	
trans-1,2-Dichloroethene	ND	250	107	103	3.8	97	97	0.0	70 - 130	20	
trans-1,3-Dichloropropene	ND	250	98	93	5.2	90	89	1.1	70 - 130	20	
trans-1,4-dichloro-2-butene	ND	250	99	87	12.9	83	82	1.2	70 - 130	20	
Trichloroethene	ND	250	106	105	0.9	107	105	1.9	70 - 130	20	
Trichlorofluoromethane	ND	250	70	66	5.9	68	67	1.5	70 - 130	20	I,m
Trichlorotrifluoroethane	ND	250	108	104	3.8	102	101	1.0	70 - 130	20	
Vinyl chloride	ND	250	102	98	4.0	94	94	0.0	70 - 130	20	
% 1,2-dichlorobenzene-d4	100	%	100	100	0.0	97	98	1.0	70 - 130	20	
% Bromofluorobenzene	91	%	95	92	3.2	94	94	0.0	70 - 130	20	
% Dibromofluoromethane	100	%	98	97	1.0	92	93	1.1	70 - 130	20	
% Toluene-d8	94	%	97	95	2.1	97	96	1.0	70 - 130	20	

QA/QC Data

SDG I.D.: GCT92027

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.
 The RPD criteria for the LCS/LCSD is 20%,
 The MS/MSD RPD criteria is listed above.

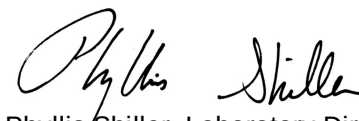
l = This parameter is outside laboratory LCS/LCSD specified recovery limits.

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
- (ISO) - Isotope Dilution


 Phyllis Shiller, Laboratory Director
 August 12, 2025

Tuesday, August 12, 2025

Criteria: CT: GAM, GWP, RC; MA: CAM, S1 Calc.

State: CT

Sample Criteria Exceedances Report

GCT92027 - HRP-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CT92027	CR-SM	Chromium	MA / RCS-1 Calculated / RCS-1 Calculated	14.8	0.35	10	10	mg/Kg
CT92027	SPLP-PB	SPLP Lead	CT / RSR GA (mg/l) TCLP / Inorganic/PCB	0.028	0.010	0.015	0.015	mg/L
CT92027	SPLP-PB	SPLP Lead	CT / RSR GWPC (ug/l) / Inorganics	0.028	0.010	0.015	0.015	mg/L
CT92028	CR-SM	Chromium	MA / RCS-1 Calculated / RCS-1 Calculated	16.4	0.36	10	10	mg/Kg
CT92029	CR-SM	Chromium	MA / RCS-1 Calculated / RCS-1 Calculated	14.3	0.31	10	10	mg/Kg
CT92030	CR-SM	Chromium	MA / RCS-1 Calculated / RCS-1 Calculated	21.0	0.37	10	10	mg/Kg
CT92031	CR-SM	Chromium	MA / RCS-1 Calculated / RCS-1 Calculated	17.9	0.36	10	10	mg/Kg
CT92032	CR-SM	Chromium	MA / RCS-1 Calculated / RCS-1 Calculated	27.5	0.35	10	10	mg/Kg
CT92033	CR-SM	Chromium	MA / RCS-1 Calculated / RCS-1 Calculated	19.2	0.34	10	10	mg/Kg
CT92034	CR-SM	Chromium	MA / RCS-1 Calculated / RCS-1 Calculated	25.0	0.34	10	10	mg/Kg
CT92035	CR-SM	Chromium	MA / RCS-1 Calculated / RCS-1 Calculated	19.5	0.36	10	10	mg/Kg
CT92036	CR-SM	Chromium	MA / RCS-1 Calculated / RCS-1 Calculated	14.3	0.33	10	10	mg/Kg
CT92037	CR-SM	Chromium	MA / RCS-1 Calculated / RCS-1 Calculated	18.9	0.32	10	10	mg/Kg
CT92038	CR-SM	Chromium	MA / RCS-1 Calculated / RCS-1 Calculated	21.8	0.34	10	10	mg/Kg
CT92039	CR-SM	Chromium	MA / RCS-1 Calculated / RCS-1 Calculated	21.0	0.34	10	10	mg/Kg
CT92040	CR-SM	Chromium	MA / RCS-1 Calculated / RCS-1 Calculated	18.0	0.37	10	10	mg/Kg
CT92041	\$8270-SMRMA	Acenaphthylene	MA / RCS-1 Calculated / RCS-1 Calculated	120	100	100	100	ug/Kg
CT92041	\$8270-SMRMA	Benzo(a)pyrene	MA / RCS-1 Calculated / RCS-1 Calculated	210	200	200	200	ug/Kg
CT92041	BA-SM	Barium	MA / RCS-1 Calculated / RCS-1 Calculated	126	0.37	100	100	mg/Kg
CT92041	CR-SM	Chromium	MA / RCS-1 Calculated / RCS-1 Calculated	61.6	0.37	10	10	mg/Kg
CT92041	PB-SM	Lead	MA / RCS-1 Calculated / RCS-1 Calculated	125	0.37	20	20	mg/Kg
CT92042	\$8270-SMRMA	Benzo(a)pyrene	MA / RCS-1 Calculated / RCS-1 Calculated	400	260	200	200	ug/Kg
CT92042	\$8270-SMRMA	Dibenz(a,h)anthracene	MA / RCS-1 Calculated / RCS-1 Calculated	290	260	70	70	ug/Kg
CT92042	CR-SM	Chromium	MA / RCS-1 Calculated / RCS-1 Calculated	24.2	0.36	10	10	mg/Kg
CT92042	PB-SM	Lead	MA / RCS-1 Calculated / RCS-1 Calculated	46.6	0.36	20	20	mg/Kg
CT92042	ZN-SM	Zinc	MA / RCS-1 Calculated / RCS-1 Calculated	121	0.7	100	100	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.

MassDEP Analytical Protocol Certification Form					
Laboratory Name: Phoenix Environmental Laboratories, Inc. Project #:					
Project Location: CTD5017.FW			RTN:		
This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)] CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033, CT92034, CT92035, CT92036, CT92037, CT92038, CT92039, CT92040, CT92041, CT92042, CT92043, CT92044					
Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other:					
CAM Protocol (check all that apply below)					
8260 VOC CAM II A ☒	7470/7471 Hg CAM III B ☒	MassDEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☐	7196 Hex Cr CAM VI B ☒	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☒	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☒	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☒	6020 Metals CAM III D ☐	8082 PCB CAM V A ☒	9012 Total Cyanide/PAC CAM V1 A ☐	6860 Perchlorate CAM VIII B ☐	
Affirmative responses to questions A through F are required for "Presumptive Certainty" status					
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature*) in the field or laboratory, and prepared/analyzed with method holding times? (* see narrative)			☒ Yes ☐ No	
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?			☒ Yes ☐ No	
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?			☒ Yes ☐ No	
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?			☒ Yes ☐ No	
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 methods only: Was the complete analyte list reported for each method?			☐ Yes ☐ No ☐ Yes ☐ No	
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?			☒ Yes ☐ No	
Responses to questions G, H and I below is required for "Presumptive Certainty" status					
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?			☒ Yes ☐ No	
Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056(2)(k) and WSC-07-350					
H	Were all QC performance standards specified in the CAM protocol(s) achieved? See Sections: ICP, SVOA, VOA Narrations .			☐ Yes ☒ No	
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?			☒ Yes ☐ No	
<i>All negative responses must be addressed in an attached laboratory narrative.</i>					
I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.					
Authorized Signature: _____ 		Date: Tuesday, August 12, 2025 Printed Name: Phyllis Shiller Position: Laboratory Director			



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



MCP Certification Report

August 12, 2025

SDG I.D.: GCT92027

SDG Comments

Phoenix reporting levels may exceed those referenced in the CAM protocol. Please refer to criteria sheet for comparisons to requested MCP standards.

ETPH Narration

Were all QA/QC performance criteria specified in the MADEP document CAM achieved? Yes.

Instrument:

AU-FID21 08/11/25-1

Jeff Bucko, Chemist 08/11/25

CT92035 (1X), CT92036 (1X), CT92037 (1X), CT92038 (1X), CT92039 (1X), CT92040 (1X), CT92041 (1X), CT92042 (1X)

The initial calibration (ET_0811I) 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 (811A013_1) and contained the following outliers: None.
The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

AU-FID84 08/11/25-1

Jeff Bucko, Chemist 08/11/25

CT92034 (5X)

The initial calibration (ET_0811I) 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 (811A013_1) and contained the following outliers: None.
The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

AU-XL2 08/09/25-1

Jeff Bucko, Chemist 08/09/25

CT92027 (1X), CT92028 (1X), CT92029 (1X), CT92030 (1X), CT92031 (1X), CT92032 (1X), CT92033 (1X)

The initial calibration (ET_0807I) 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 (809A004_1) and contained the following outliers: None.
The continuing calibration %D for the compound list was less than 30% except for the following compounds:None.

QC (Batch Specific):

Batch 797449 (CT90449)

CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033

All LCS recoveries were within 50 - 150 with the following exceptions: None.
All LCSD recoveries were within 50 - 150 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
The ETPH/DRO LCS has been normalized based on the alkane calibration.

Batch 797473 (CT92035)

CT92034, CT92035, CT92036, CT92037, CT92038, CT92039, CT92040, CT92041, CT92042

All LCS recoveries were within 50 - 150 with the following exceptions: None.
All LCSD recoveries were within 50 - 150 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
The ETPH/DRO LCS has been normalized based on the alkane calibration.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Herbicide Narration

Were all QA/QC performance criteria specified in the MADEP document CAM achieved? Yes.



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MCP Certification Report

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SDG I.D.: GCT92027

Herbicide Narration

Instrument:

AU-ECD12 08/11/25-1

Jeff Bucko, Chemist 08/11/25

CT92034 (2X), CT92035 (2X, 10X), CT92036 (2X), CT92037 (2X), CT92038 (2X), CT92039 (2X), CT92040 (2X), CT92041 (2X), CT92042 (2X)

The initial calibration (HRB808AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (HRB808BI) 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-ECD2 08/08/25-1

Jeff Bucko, Chemist 08/08/25

CT92027 (2X), CT92028 (2X), CT92029 (2X), CT92030 (2X), CT92031 (2X, 10X), CT92032 (2X), CT92033 (2X)

The initial calibration (HRB618AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (HRB618BI) 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 797238 (CT92031)

CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033

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.

8151 additional criteria: (LCS/LCSD) 10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

Batch 797286 (CT92035)

CT92034, CT92035, CT92036, CT92037, CT92038, CT92039, CT92040, CT92041, CT92042

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.

8151 additional criteria: (LCS/LCSD) 10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Soil Hex Chromium Narration

Were all QA/QC performance criteria specified in the MADEP document CAM achieved? Yes.

Instrument:

BECKMAN DU720 08/06/25-1

Nicholas Pappas, Chemist 08/06/25

CT92027, CT92028, CT92029, CT92030, CT92031

The initial calibration met criteria, the calibration $r^2 > 0.995$

Three LCS solutions were evaluated and reported:

The hexavalent Chromium LCS does not require digestion and is used as a continuing calibration standard.

The insoluble and soluble spikes (LCS) monitor the performance of the extraction.

The insoluble and soluble matrix spikes monitor the effect of matrix on the recoveries of hexavalent chromium.



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Soil Hex Chromium Narration

Some matrix spike recoveries may be outside of the acceptance criteria of 75-125, however the corresponding LCSs are within control. No further action is required, but a sample matrix bias is suspected.

BECKMAN DU720 08/07/25-1 Nicholas Pappas, Chemist 08/07/25

CT92032 , CT92033 , CT92034

The initial calibration met criteria, the calibration $r^2 > 0.995$

Three LCS solutions were evaluated and reported:

The hexavalent Chromium LCS does not require digestion and is used as a continuing calibration standard.

The insoluble and soluble spikes (LCS) monitor the performance of the extraction.

The insoluble and soluble matrix spikes monitor the effect of matrix on the recoveries of hexavalent chromium.

Some matrix spike recoveries may be outside of the acceptance criteria of 75-125, however the corresponding LCSs are within control. No further action is required, but a sample matrix bias is suspected.

BECKMAN DU720 08/08/25-1 Nicholas Pappas, Chemist 08/08/25

CT92035 , CT92036 , CT92037 , CT92038 , CT92039 , CT92040 , CT92041

The initial calibration met criteria, the calibration $r^2 > 0.995$

Three LCS solutions were evaluated and reported:

The hexavalent Chromium LCS does not require digestion and is used as a continuing calibration standard.

The insoluble and soluble spikes (LCS) monitor the performance of the extraction.

The insoluble and soluble matrix spikes monitor the effect of matrix on the recoveries of hexavalent chromium.

Some matrix spike recoveries may be outside of the acceptance criteria of 75-125, however the corresponding LCSs are within control. No further action is required, but a sample matrix bias is suspected.

BECKMAN DU720 08/11/25-1 Nicholas Pappas, Chemist 08/11/25

CT92042

The initial calibration met criteria, the calibration $r^2 > 0.995$

Three LCS solutions were evaluated and reported:

The hexavalent Chromium LCS does not require digestion and is used as a continuing calibration standard.

The insoluble and soluble spikes (LCS) monitor the performance of the extraction.

The insoluble and soluble matrix spikes monitor the effect of matrix on the recoveries of hexavalent chromium.

Some matrix spike recoveries may be outside of the acceptance criteria of 75-125, however the corresponding LCSs are within control. No further action is required, but a sample matrix bias is suspected.

QC (Batch Specific):

Batch 796870 (CT92031)

CT92027, CT92028, CT92029, CT92030, CT92031

All LCS recoveries were within 80 - 120 with the following exceptions: None.

Additional Hexavalent Chromium criteria: MS acceptance range is 75-125%.

Batch 797103 (CT93750)

CT92032, CT92033, CT92034



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Soil Hex Chromium Narration

All LCS recoveries were within 80 - 120 with the following exceptions: None.
The QC sample is in a reducing state, acceptance criteria are not applicable for samples in a reducing state. The soluble spike was analyzed twice with similar recoveries.
Additional Hexavalent Chromium criteria: MS acceptance range is 75-125%.

Batch 797326 (CT92037)

CT92035, CT92036, CT92037, CT92038, CT92039, CT92040, CT92041

All LCS recoveries were within 80 - 120 with the following exceptions: None.
Additional Hexavalent Chromium criteria: MS acceptance range is 75-125%.

Batch 797567 (CT92046)

CT92042

All LCS recoveries were within 80 - 120 with the following exceptions: None.
Additional Hexavalent Chromium criteria: MS acceptance range is 75-125%.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Mercury Narration

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

Instrument:

PSA 08/06/25 08:41

AJ Joslin, AJ Joslin, Zade-Anne Taylor, Zade-Anne Taylor, C

CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033, CT92034, CT92035, CT92036, CT92037, CT92038, CT92039, CT92040, CT92041, CT92042

The initial calibration met criteria and the linear range is defined daily by the calibration range.

The Low-Level Calibration Verification (LLCV) met criteria.

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

The following Initial Calibration Blank (ICB) compounds did not meet criteria: None.

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

The following Continuing Calibration Blank (CCB) compounds did not meet criteria: None.

PSA 08/07/25 07:52

AJ Joslin, Zade-Anne Taylor, Chemist 08/07/25

CT92027, CT92028, CT92029

The initial calibration met criteria and the linear range is defined daily by the calibration range.

The Low-Level Calibration Verification (LLCV) met criteria.

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

The following Initial Calibration Blank (ICB) compounds did not meet criteria: None.

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

The following Continuing Calibration Blank (CCB) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 796873 (CT91495)

CT92027

All LCS recoveries were within 80 - 120 with the following exceptions: None.

Additional Mercury Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor



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Mercury Narration

limits. MS acceptance range is 75-125% for aqueous and 80-120% for soils.

Batch 796874 (CT92045)

CT92028, CT92029, CT92030, CT92031, CT92032, CT92033, CT92034, CT92035, CT92036, CT92037, CT92038, CT92039, CT92040, CT92041, CT92042

All LCS recoveries were within 80 - 120 with the following exceptions: None.

Additional Mercury Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range is 75-125% for aqueous and 80-120% for soils.

Batch 796882 (CT92027)

CT92027, CT92028, CT92029

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

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

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

Additional Mercury Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range is 75-125% for aqueous and 80-120% for soils.

Batch 796883 (CT92030)

CT92030, CT92031, CT92032, CT92033, CT92034, CT92035, CT92036, CT92037, CT92038, CT92039, CT92040, CT92041, CT92042

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

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

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

Additional Mercury Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range is 75-125% for aqueous and 80-120% for soils.

ICP Metals Narration

Were all QA/QC performance criteria specified in the analytical method achieved? No.

QC Batch 796784 (Samples: CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033, CT92034, CT92035, CT92036, CT92037, CT92038, CT92039, CT92040, CT92041): -----

The Sample/Duplicate RPD exceeds the method criteria for one or more analytes, therefore there may be variability in the reported result. (Barium, Copper, Lead)

Instrument:

ARCOS-3 08/06/25 10:58

Cindy Pearce, Chemist 08/06/25

CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033, CT92034, CT92035, CT92036, CT92037, CT92038, CT92039, CT92040, CT92041, CT92042

The initial calibration met criteria and the linear range is defined daily by the calibration range.

The Low-Level Calibration Verification (LLCV) met criteria.

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

The following Initial Calibration Blank (ICB) compounds did not meet criteria: None.

The following Spectral Interference Check compounds did not meet criteria: None.

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

The following Continuing Calibration Blank (CCB) compounds did not meet criteria: None.

ARCOS-4 08/06/25 10:09

Cindy Pearce, Chemist 08/06/25

CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033, CT92034, CT92035, CT92036, CT92037, CT92038, CT92039,



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ICP Metals Narration

CT92040, CT92041, CT92042

The initial calibration met criteria and the linear range is defined daily by the calibration range.

The Low-Level Calibration Verification (LLCV) met criteria.

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

The following Initial Calibration Blank (ICB) compounds did not meet criteria: None.

The following Spectral Interference Check compounds did not meet criteria: None.

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

The following Continuing Calibration Blank (CCB) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 796784 (CT92041)

CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033, CT92034, CT92035, CT92036, CT92037, CT92038, CT92039, CT92040, CT92041

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

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

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

Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range 75-125%.

Batch 796785 (CT92111)

CT92042

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

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

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

Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range 75-125%.

Batch 796877 (CT92027)

CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033, CT92034, CT92035, CT92036, CT92037, CT92038, CT92039, CT92040, CT92041, CT92042

All LCS recoveries were within 80 - 120 with the following exceptions: None.

All LCSD recoveries were within 80 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range 75-125%.

PCB Narration

Were all QA/QC performance criteria specified in the MADEP document CAM achieved? Yes.

Instrument:

AU-ECD3 08/08/25-1

Saadia Chudary, Chemist 08/08/25

CT92028 (2X), CT92032 (2X), CT92033 (2X)

The initial calibration (PC0718AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC0718BI) 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 20% except for the following compounds: None.

AU-ECD48 08/08/25-1

Saadia Chudary, Chemist 08/08/25



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SDG I.D.: GCT92027

PCB Narration

CT92029 (2X), CT92038 (2X), CT92039 (2X), CT92042 (2X)

The initial calibration (PC0414AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0414BI) 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 20% except for the following compounds:

Samples: CT92029, CT92038, CT92039, CT92042

Preceding CC 808B003 - None.

Succeeding CC 808B022 - PCB 1260 30%H (%)

AU-ECD5 08/08/25-1

Saadia Chudary, Chemist 08/08/25

CT92037 (2X), CT92041 (2X)

The initial calibration (PC0728AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0728BI) 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 20% except for the following compounds: None.

AU-ECD7 08/07/25-1

Saadia Chudary, Chemist 08/07/25

CT92027 (2X), CT92030 (2X), CT92031 (2X), CT92034 (2X), CT92035 (2X), CT92036 (2X), CT92040 (2X)

The initial calibration (PC0613AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0613BI) 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 20% except for the following compounds:

Samples: CT92027, CT92030, CT92031, CT92034, CT92035

Preceding CC 807B016 - None.

Succeeding CC 807B029 - DCBP SURR -30%L (20%)

Samples: CT92036, CT92040

Preceding CC 807B029 - DCBP SURR -30%L (20%)

Succeeding CC 807B038 - None.

QC (Batch Specific):

Batch 796960 (CT92034)

CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033, CT92034, CT92035

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

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

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

Batch 797033 (CT90449)

CT92036, CT92037, CT92038, CT92039, CT92040, CT92041, CT92042

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.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

PEST Narration

Were all QA/QC performance criteria specified in the MADEP document CAM achieved? Yes.

Instrument:

AU-ECD33 08/07/25-1

Adam Werner, Chemist 08/07/25



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PEST Narration

CT92027 (2X), CT92032 (2X), CT92033 (2X), CT92040 (2X)

The initial calibration (PS0728AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PS0728BI) 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: CT92033

Preceding CC 807B028 - Endosulfan I 21%H (20%)

Succeeding CC 807B042 - Endosulfan I 25%H (20%)

Samples: CT92027, CT92032, CT92040

Preceding CC 807B042 - Endosulfan I 25%H (20%)

Succeeding CC 807B051 - Endosulfan I 28%H (20%)

AU-ECD4 08/07/25-1

Adam Werner, Chemist 08/07/25

CT92028 (2X), CT92029 (2X), CT92030 (2X), CT92031 (2X), CT92034 (2X), CT92035 (2X), CT92036 (2X), CT92037 (2X), CT92038 (2X), CT92039 (2X), CT92041 (2X), CT92042 (2X)

The initial calibration (PS0804AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PS0804BI) 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 796973 (CT89203)

CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033, CT92034, CT92035

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.

8081 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

Batch 797034 (CT90449)

CT92036, CT92037, CT92038, CT92039, CT92040, CT92041, CT92042

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.

8081 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SVOA Narration



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SDG I.D.: GCT92027

SVOA Narration

Were all QA/QC performance criteria specified in the MADEP document CAM achieved? No.

QC Batch 797428 (Samples: CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033, CT92034): -----

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. (Benzoic Acid)

QC Batch 797463 (Samples: CT92035, CT92036, CT92037, CT92038, CT92039, CT92040): -----

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. (2-Nitroaniline, 3-Nitroaniline, 4-Nitrophenol, Benzoic Acid, Phenol)

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. (2,4-Dinitrophenol, 2-Nitroaniline, 3,3'-Dichlorobenzidine, 3-Nitroaniline, Hexachlorocyclopentadiene, Pyridine)

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

QC Batch 797586 (Samples: CT92041, CT92042): -----

The LCS/LCSD recovery is acceptable. One or more analytes in the site specific matrix spike recovery is below the method criteria, therefore a low bias is likely. (Benzidine, Hexachlorocyclopentadiene, Pyridine)

The QC recovery for one or more analytes is above the upper range but were not reported in the sample(s), therefore no significant bias is suspected. (4-Nitrophenol)

Instrument:

CHEM07 08/08/25-1

Matt Richard, Chemist 08/08/25

CT92035 (1X), CT92036 (1X), CT92037 (1X), CT92038 (1X), CT92039 (1X), CT92040 (1X)

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

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

Initial Calibration Evaluation (CHEM07/7_SVFULL_0807):

100% of target compounds met criteria.

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

The following compounds did not meet recommended response factors: 2-Nitrophenol 0.067 (0.1), Hexachlorobenzene 0.082 (0.1)

Continuing Calibration Verification (CHEM07/0808_16-7_SVFULL_0807) (MCP Compliance):

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: 2-Nitroaniline 35%L (20%)

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

The following compounds did not meet recommended response factors: 2-Nitrophenol 0.062 (0.1), Hexachlorobenzene 0.082 (0.1)

CHEM22 08/11/25-1

Matt Richard, Chemist 08/11/25



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SDG I.D.: GCT92027

SVOA Narration

CT92041 (1X, 1000X), CT92042 (1X)

Initial Calibration Evaluation (CHEM22/22_SVFULL_0806):

100% of target compounds met criteria.

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

The following compounds did not meet recommended response factors: 2-Nitrophenol 0.085 (0.1), Hexachlorobenzene 0.096 (0.1)

Continuing Calibration Verification (CHEM22/0811_03-22_SVFULL_0806) (MCP Compliance):

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: 2-Nitroaniline 30%L (20%)

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

The following compounds did not meet recommended response factors: 2-Nitrophenol 0.089 (0.1), Hexachlorobenzene 0.089 (0.1)

CHEM36 08/08/25-2

Matt Richard, Chemist 08/08/25

CT92028 (1X), CT92029 (1X), CT92030 (1X), CT92031 (1X)

Initial Calibration Evaluation (CHEM36/36_SVFULL_0806A):

100% of target compounds met criteria.

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

The following compounds did not meet recommended response factors: 2-Nitrophenol 0.061 (0.1), Hexachlorobenzene 0.096 (0.1)

Continuing Calibration Verification (CHEM36/0808_27-36_SVFULL_0806A) (MCP Compliance):

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: 2-Nitroaniline 28%L (20%)

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

The following compounds did not meet recommended response factors: 2-Nitrophenol 0.057 (0.1)

CHEM36 08/11/25-1

Matt Richard, Chemist 08/11/25

CT92027 (1X), CT92032 (1X), CT92033 (1X), CT92034 (1X)

Initial Calibration Evaluation (CHEM36/36_SVFULL_0806A):

100% of target compounds met criteria.

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

The following compounds did not meet recommended response factors: 2-Nitrophenol 0.061 (0.1), Hexachlorobenzene 0.096 (0.1)

Continuing Calibration Verification (CHEM36/0811_03-36_SVFULL_0806A) (MCP Compliance):

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

98% of target compounds met criteria.

The following compounds did not meet % deviation criteria: % 2,4,6-Tribromophenol 23%H (20%), 2-Nitroaniline 21%L (20%)

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

The following compounds did not meet recommended response factors: 2-Nitrophenol 0.070 (0.1)

QC (Batch Specific):

Batch 797428 (CT95606)

CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033, CT92034



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MCP Certification Report

August 12, 2025

SDG I.D.: GCT92027

SVOA Narration

All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: Benzoic Acid(30.7%)
Additional 8270 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 10-110%, for soils 30-130%)

Batch 797463 (CT96158)

CT92035, CT92036, CT92037, CT92038, CT92039, CT92040

All LCS recoveries were within 40 - 140 with the following exceptions: Benzidine(<10%)
All LCSD recoveries were within 40 - 140 with the following exceptions: 2-Nitroaniline(160%), 3-Nitroaniline(156%), 4-Nitrophenol(153%), Benzidine(14%), Benzoic Acid(149%), Hexachlorocyclopentadiene(36%), Phenol(137%)
All LCS/LCSD RPDs were less than 30% with the following exceptions: 2,4-Dinitrophenol(43.2%), 2-Nitroaniline(37.9%), 3,3'-Dichlorobenzidine(47.1%), 3-Nitroaniline(41.9%), Hexachlorocyclopentadiene(43.5%), Pyridine(40.0%)
Additional 8270 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 10-110%, for soils 30-130%)

Batch 797586 (CT92041)

CT92041, CT92042

All LCS recoveries were within 40 - 140 with the following exceptions: 4-Nitrophenol(133%)
All LCSD recoveries were within 40 - 140 with the following exceptions: 4-Nitrophenol(135%)
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.
Additional 8270 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 10-110%, for soils 30-130%)

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

VOA Narration

Were all QA/QC performance criteria specified in the MADEP document CAM achieved? No.

QC Batch 796938 (Samples: CT92027, CT92028, CT92029, CT92030, CT92031, CT92032, CT92033, CT92034, CT92035, CT92036, CT92037, CT92038, CT92039, CT92040, CT92041, CT92042, CT92043): -----

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. (Carbon tetrachloride)

QC Batch 796938H: -----

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

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. (Acetone)

Instrument:

CHEM26 08/05/25-1

Jane Li, Chemist 08/05/25

CT92027 (1X), CT92028 (1X), CT92029 (1X), CT92030 (1X), CT92031 (1X), CT92032 (1X), CT92033 (1X), CT92034 (1X), CT92035 (1X),



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MCP Certification Report

August 12, 2025

SDG I.D.: GCT92027

VOA Narration

CT92036 (1X), CT92037 (1X), CT92038 (1X), CT92039 (1X), CT92040 (1X), CT92041 (1X), CT92042 (1X), CT92043 (1X), CT92044 (50X)

Initial Calibration Evaluation (CHEM26/VT-071725):

98% of target compounds met criteria.

The following compounds had %RSDs >20%: 1,2-Dibromo-3-chloropropane 23% (20%), trans-1,4-dichloro-2-butene 29% (20%)

The following compounds did not meet Table 4 recommended minimum response factors: trans-1,3-Dichloropropene 0.297 (0.3)

Continuing Calibration Verification (CHEM26/0805_05-VT-071725) (MCP Compliance):

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

93% of target compounds met criteria.

The following compounds did not meet % deviation criteria: 1,1,1,2-Tetrachloroethane 23%H (20%), 2,2-Dichloropropane 24%H (20%), 2-Hexanone 21%L (20%), Acetone 23%L (20%), Carbon tetrachloride 32%H (20%)

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

The following compounds did not meet Table 4 recommended minimum response factors: 1,1,2-Trichloroethane 0.194 (0.2)

QC (Batch Specific):

Batch 796938 (CT92542) CHEM26 8/5/2025-1

CT92027(1X), CT92028(1X), CT92029(1X), CT92030(1X), CT92031(1X), CT92032(1X), CT92033(1X), CT92034(1X), CT92035(1X),
CT92036(1X), CT92037(1X), CT92038(1X), CT92039(1X), CT92040(1X), CT92041(1X), CT92042(1X), CT92043(1X)

All LCS recoveries were within 70 - 130 with the following exceptions: Carbon tetrachloride(136%)

All LCSD recoveries were within 70 - 130 with the following exceptions: Carbon tetrachloride(137%)

All LCS/LCSD RPDs were less than 20% 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%.

The RPD criteria for the LCS/LCSD is 20%,

The MS/MSD RPD criteria is listed above.

Batch 796938H (CT92542) CHEM26 8/5/2025-1

CT92044(50X)

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: Diethyl ether(65%), Trichlorofluoromethane(66%)

All LCS/LCSD RPDs were less than 20% with the following exceptions: Acetone(21.5%)

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

The RPD criteria for the LCS/LCSD is 20%,

The MS/MSD RPD criteria is listed above.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



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

Customer: HRP Associates
Address: 251 Roosevelt Drive, 2nd Floor
Derby, CT 06814

Project: CTD5017.FW
Report to: Walt Sepelak
Invoice to: HRP
Quote #: CTDAS Pricing; No tax

Project P.O.:

This section MUST be completed with Bottle Quantities.

Coolant: ☐ IPK ☐ ICE ☐ No/LJ Pg of

Temp 26.5 °C

Data Delivery/Contact Options:

☐ Fax: 203-380-1395
☐ Phone: 203-380-1395
☐ Email: EDD@HRPAssociates.com

Client Sample - Information - Identification						Matrix Code											
Sampler's Signature	Date:	Customer Sample Identification	Sample Matrix	Date Sampled	(Am) Time Sampled												
Matrix Code: W=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water W=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe Oil=Oil =Bulk L=Liquid X = (Other)																	
HOENIX USE ONLY SAMPLE #						8260 VOCs	8270 SVOCs	ETPH	MCP 14 Metals	Copper, Tri Chrom	PCBs 8082	Pesticides	Herbicides				
92027	SB-1 (1.5-3.0')	S	8-5-25	9:25		x	x	x	x	x	x	x	x	3	2		
92028	SB-1 (5-6')			9:37													
92029	SB-1 (9-10')			9:40													
92030	SB-2 (1-3')			10:05													
92031	SB-2 (5-6.5')			10:16													
92032	SB-2 (8-10')			10:21													
92033	SB-3 (1.5-3.0')			10:47													
92034	SB-3 (5-6.5')			11:00													
92035	SB-3 (8.5-10')			11:05													
92036	SB-4 (1.5-3')			11:25													
92037	SB-4 (5-6.5')			11:33													
92038	SB-4 (8-10')			11:40													
						GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄		
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						GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄		
						GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄		
						GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄		
						GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄		
						GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄		
						GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄		
						GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄		
						GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄		
						GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H ₂ PO ₄ (1) MARSO ₄	GL Amber 8 oz (1) w/ H		

Relinquished by: <u>Christopher J. Lohr</u>	Accepted by: <u>Emily S. Wiles</u>	Date: <u>8-5</u>	Time: <u>3:33</u>
Comments, Special Requirements or Regulations:	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	CI ☒ 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	MA ☐ RCS-1 / RCGW-1 ☐ RCS-2 / RCGW-2 ☐ SW Protection	MA ☐ GA Leachability ☐ GB Leachability ☐ GA -GW Objectives ☐ GB -GW Objectives ☐ Other	MA ☐ RCS-1 / RCGW-1 ☐ RCS-2 / RCGW-2 ☐ SW Protection
Data Format ☐ Excel ☒ PDF ☐ GIS/Key ☒ EQUIS ☐ Other	Data Package ☐ Tier II Checklist* ☐ Full Data Package* ☐ Phoenix Std ☐ Other	State where samples were collected: <u>CT</u>	* SURCHARGE APPLIES

CS-1 Calc

PCB individual archlor RL's <0.1 mg/l

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

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

Customer: HRP Associates
Address: 251 Roosevelt Drive, 2nd Floor
Derby, CT 06814

Project:
Report to:
Invoice to:
Quote #

CTD5017.FW
Walt Sepelak
HRP
CTDAS Pricing

Project P.O.:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Signature Christopher J. Sobue

atrix Code:
W=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
WW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe **OIL**=Oil
Bulk L=Liquid **X**=(Other)

PHOENIX USE ONLY		Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
SAMPLE #					
92039	SB-5 (1-3')	s	8-5-25	1:25	(pm)
92040	SB-6 (1-3')	↓		1:11	
92041	SB-7 (1.5-3')	↓		12:55	
92042	SB-8 (1.5-3')	↓		12:40	
92043	TB CL	↓		6:00 AM	
92044	TB HL				

[illegible]

Relinquished by:	Accepted by:	Date:	Time:
Christy J. Lohr	Kevin J.	8-5	3:33
KLK	Emily	8/5/25	1541
Comments, Special Requirements or Regulations: * TB Date 7/28/25 (ES) CB individual archlor RL's <0.1 mg/l			
* SURCHARGES MAY APPLY			
* SURCHARGES ARE CONSIDERED AS SUCH IN ACCORDANCE WITH THE PRICES QUOTED			



Wednesday, August 13, 2025

Attn: Walter Sepelak
HRP Associates Inc.
Farmington Business Center
197 Scott Swamp Rd.
Farmington, CT 06032

Project ID: CTD5017.FW
SDG ID: GCT92045
Sample ID#s: CT92045 - CT92047

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.

The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

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

Phyllis Shiller

Laboratory Director

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

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



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



SDG Comments

August 13, 2025

SDG I.D.: GCT92045

Phoenix reporting levels may exceed those referenced in the CAM protocol. Please refer to criteria sheet for comparisons to requested MCP standards.



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

Sample Id Cross Reference

August 13, 2025

SDG I.D.: GCT92045

Project ID: CTD5017.FW

Client Id	Lab Id	Matrix	Col Date
COMP-1	CT92045	SOIL	08/05/25 12:23
COMP-2	CT92046	SOIL	08/05/25 12:28
COMP-3	CT92047	SOIL	08/05/25 13:35



Environmental Laboratories, Inc.

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

Analysis Report

August 13, 2025

FOR: Attn: Walter Sepelak
HRP Associates Inc.
Farmington Business Center
197 Scott Swamp Rd.
Farmington, CT 06032

Sample Information

Matrix: SOIL
Location Code: HRP-DAS
Rush Request: 5 Day
P.O.#:

Custody Information

Collected by: CL
Received by: SR1
Analyzed by: see "By" below

Date

08/05/25
08/05/25

Time

12:23
15:41

Laboratory Data

SDG ID: GCT92045
Phoenix ID: CT92045

Project ID: CTD5017.FW
Client ID: COMP-1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Arsenic	4.77	0.72	mg/Kg	1	08/06/25	CPP	SW6010D
Barium	37.6	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Beryllium	< 0.29	0.29	mg/Kg	1	08/06/25	CPP	SW6010D
Cadmium	< 0.36	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Chromium	19.9	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Copper	10.9	0.7	mg/kg	1	08/06/25	CPP	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	08/06/25	aj1/ZT	SW7471B
Nickel	13.6	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Lead	5.71	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Antimony	< 2.0	2.0	mg/Kg	1	08/06/25	CPP	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Silver	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Arsenic	0.008	0.004	mg/L	1	08/06/25	CPP	SW6010D
SPLP Barium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Beryllium	< 0.001	0.001	mg/L	1	08/06/25	CPP	SW6010D
SPLP Cadmium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Chromium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Copper	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Mercury	< 0.0002	0.0002	mg/L	1	08/06/25	AJ1	SW7470A
SPLP Nickel	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Lead	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Antimony	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Selenium	< 0.020	0.020	mg/L	1	08/06/25	CPP	SW6010D
SPLP Thallium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Trivalent Chromium	< 0.010	0.010	mg/L	1	08/06/25		SW6010D
SPLP Vanadium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Zinc	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Silver	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Arsenic	< 0.01	0.01	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Barium	0.20	0.01	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Beryllium	< 0.004	0.004	mg/L	1	08/06/25	CPP	SW6010D
TCLP Cadmium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Chromium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Copper	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	08/06/25	AJ1	SW846 1311/7470
TCLP Nickel	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Lead	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Antimony	< 0.006	0.006	mg/L	1	08/06/25	CPP	SW6010D
TCLP Selenium	< 0.05	0.05	mg/L	1	08/06/25	CPP	SW846 1311/6010D
TCLP Thallium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
TCLP Trivalent Chromium	< 0.010	0.010	mg/L	1	08/06/25		SW6010D
TCLP Vanadium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
TCLP Zinc	0.015	0.010	mg/L	1	08/06/25	CPP	SW846 1311/6010D
Thallium	< 0.8	0.8	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Metals Digestion	Completed				08/06/25	AK/GW	SW3010A
TCLP Metals Digestion	Completed				08/06/25	AK/GW	SW3005A
Trivalent Chromium	19.9	0.36	mg/kg	1	08/11/25		CALC 6010-7196
Vanadium	19.8	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Zinc	21.8	0.7	mg/Kg	1	08/06/25	CPP	SW6010D
Percent Solid	96		%		08/05/25	CV	SW846-%Solid
Conductivity - Soil Matrix	1100	5	umhos/cm	1	08/07/25	AF	SW9050A
Corrosivity	Negative		Pos/Neg	1	08/06/25	KG	SW846-Corr
Flash Point	>200	200	Degree F	1	08/07/25	G	SW1010B
Chromium, Hex. (SW3060A digestion)	< 0.39	0.39	mg/Kg	1	08/11/25	NP	SW7196A
Ignitability	Passed	140	degree F	1	08/07/25	G	SW846-Ignit
pH at 20C - Soil	9.46	1.00	pH Units	1	08/06/25 01:12	KG	SW846 9045D
Reactivity Cyanide	< 5	5	mg/Kg	1	08/06/25	JB1/GD	SW846 7.3.3.1/90
Reactivity Sulfide	< 20	20	mg/Kg	1	08/06/25	JB1/GD	SW846 CH7
Reactivity	Negative		Pos/Neg	1	08/06/25	JB1/GD	SW846-React
Redox Potential	222		mV	1	08/06/25	KG	SM2580B-09
SPLP Hexavalent Chromium	< 0.01	0.01	mg/L	1	08/06/25	IG	SW1312/SW3500CRD
TCLP Hexavalent Chromium	< 0.01	0.01	mg/L	1	08/06/25	IG	SW7196A
Field Extraction	Completed				08/05/25		SW5035A
Mercury Digestion	Completed				08/06/25	SD/GW	SW7471B
Extraction of ETPH	Completed				08/11/25	/DS	SW3546
Soil Extraction for Herbicide	Completed				08/08/25	X/MQ	SW3546
Soil Extraction for PCB	Completed				08/06/25	S/Q	SW3546
Soil Extraction for Pesticide	Completed				08/06/25	S/Q	SW3546
Soil Extraction for SVOA	Completed				08/11/25	/DS	SW3546
Paint Filter Test	Passed		PASS/FAIL		08/05/25	O	SW9095B
SPLP Digestion Mercury	Completed				08/06/25	AK/GW	SW1312/SW7470A
SPLP Extraction for Metals	Completed				08/05/25	AK	SW1312
SPLP Extraction for Organics	Completed				08/05/25	AK	SW1312
SPLP Semivolatiles (SIM) Ext.	Completed				08/07/25	L/RB	SW3510C/SW3520C
SPLP Inorganic Extraction	Completed				08/05/25	AK	SW1311

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Digestion Mercury	Completed				08/06/25	AK/GW	SW7470A
TCLP Extraction for Metals	Completed				08/05/25	AK	SW1311
TCLP Inorganic Extraction	Completed				08/05/25	AK	SW1311
Total Metals Digest	Completed				08/05/25	N/AG/BF	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-D	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-DB	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
Dalapon	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
Dicamba	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
Dichloroprop	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
Dinoseb	ND	26	ug/Kg	2	08/11/25	JRB	SW8151A
MCPA	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A
MCPP	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A

QA/QC Surrogates

% DCAA	81		%	2	08/11/25	JRB	30 - 150 %
% DCAA (Confirmation)	69		%	2	08/11/25	JRB	30 - 150 %

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	51	mg/Kg	1	08/11/25	JRB	CTETPH
Identification	ND		mg/Kg	1	08/11/25	JRB	CTETPH

QA/QC Surrogates

% Terphenyl-d14	75		%	1	08/11/25	JRB	50 - 150 %
% Tricosane(C23)	74		%	1	08/11/25	JRB	50 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	68	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1221	ND	68	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1232	ND	68	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1242	ND	68	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1248	ND	68	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1254	ND	68	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1260	ND	68	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1262	ND	68	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1268	ND	68	ug/Kg	2	08/08/25	SC	SW8082A

QA/QC Surrogates

% DCBP	94		%	2	08/08/25	SC	30 - 150 %
% DCBP (Confirmation)	87		%	2	08/08/25	SC	30 - 150 %
% TCMX	91		%	2	08/08/25	SC	30 - 150 %
% TCMX (Confirmation)	91		%	2	08/08/25	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
4,4' -DDE	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
4,4' -DDT	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
α-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Alachlor	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Aldrin	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
b-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Chlordane	ND	14	ug/Kg	2	08/07/25	KCA	SW8081B
d-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Dieldrin	ND	3.4	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan I	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan II	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan sulfate	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin aldehyde	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin ketone	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
g-BHC	ND	0.27	ug/Kg	2	08/07/25	KCA	SW8081B
Heptachlor	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Heptachlor epoxide	ND	6.8	ug/Kg	2	08/07/25	KCA	SW8081B
Methoxychlor	ND	34	ug/Kg	2	08/07/25	KCA	SW8081B
Toxaphene	ND	140	ug/Kg	2	08/07/25	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	93		%	2	08/07/25	KCA	30 - 150 %
% DCBP (Confirmation)	70		%	2	08/07/25	KCA	30 - 150 %
% TCMX	75		%	2	08/07/25	KCA	30 - 150 %
% TCMX (Confirmation)	68		%	2	08/07/25	KCA	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.58	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloroethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloropropane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichloropropane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
2,2-Dichloropropane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
2-Chlorotoluene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
2-Hexanone	ND	29	ug/Kg	1	08/06/25	JLI	SW8260D
2-Isopropyltoluene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
4-Chlorotoluene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	29	ug/Kg	1	08/06/25	JLI	SW8260D
Acetone	ND	290	ug/Kg	1	08/06/25	JLI	SW8260D
Acrylonitrile	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Bromobenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Bromochloromethane	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromodichloromethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Bromoform	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Bromomethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon Disulfide	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon tetrachloride	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Chlorobenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroform	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Chloromethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromochloromethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromomethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Dichlorodifluoromethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Ethylbenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Hexachlorobutadiene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Isopropylbenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
m&p-Xylene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	35	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Methylene chloride	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Naphthalene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
n-Butylbenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
n-Propylbenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
o-Xylene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
p-Isopropyltoluene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
sec-Butylbenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Styrene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
tert-Butylbenzene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrachloroethene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	08/06/25	JLI	SW8260D
Toluene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Total Xylenes	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	08/06/25	JLI	SW8260D
Trichloroethene	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorofluoromethane	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	12	ug/Kg	1	08/06/25	JLI	SW8260D
Vinyl chloride	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	1	08/06/25	JLI	70 - 130 %
% Bromofluorobenzene	96		%	1	08/06/25	JLI	70 - 130 %
% Dibromofluoromethane	105		%	1	08/06/25	JLI	70 - 130 %
% Toluene-d8	98		%	1	08/06/25	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Oxygenates & Dioxane</u>							
1,4-Dioxane	ND	20	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Diethyl ether	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Di-isopropyl ether	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Ethyl tert-butyl ether	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
tert-amyl methyl ether	ND	5.8	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	50	ug/Kg	1	08/11/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
1,2,4-Trichlorobenzene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
1,2-Dichlorobenzene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
1,3-Dichlorobenzene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
1,4-Dichlorobenzene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dichlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dimethylphenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dinitrotoluene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
2-Chloronaphthalene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
2-Chlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2-Methylnaphthalene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
2-Nitrophenol	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	340	ug/Kg	1	08/11/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
3-Nitroaniline	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	340	ug/Kg	1	08/11/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
4-Chloroaniline	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
4-Nitrophenol	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Acenaphthene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Acenaphthylene	210	100	ug/Kg	1	08/11/25	MR	SW8270E
Acetophenone	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Aniline	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Anthracene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Benz(a)anthracene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(a)pyrene	380	240	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(b)fluoranthene	480	240	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(ghi)perylene	480	240	ug/Kg	1	08/11/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benzo(k)fluoranthene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Benzoic acid	ND	680	ug/Kg	1	08/11/25	MR	SW8270E
Benzyl butyl phthalate	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	340	ug/Kg	1	08/11/25	MR	SW8270E
Carbazole	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
Chrysene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Dibenz(a,h)anthracene	74	70	ug/Kg	1	08/11/25	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Diethyl phthalate	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Dimethylphthalate	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Di-n-butylphthalate	ND	340	ug/Kg	1	08/11/25	MR	SW8270E
Di-n-octylphthalate	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Fluoranthene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Fluorene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorobenzene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Hexachloroethane	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	370	240	ug/Kg	1	08/11/25	MR	SW8270E
Isophorone	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Naphthalene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/11/25	MR	SW8270E
Pentachlorophenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
Phenanthrene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Phenol	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
Pyrene	ND	240	ug/Kg	1	08/11/25	MR	SW8270E
Pyridine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E

QA/QC Surrogates

% 2,4,6-Tribromophenol	90		%	1	08/11/25	MR	30 - 130 %
% 2-Fluorobiphenyl	64		%	1	08/11/25	MR	30 - 130 %
% 2-Fluorophenol	64		%	1	08/11/25	MR	30 - 130 %
% Nitrobenzene-d5	57		%	1	08/11/25	MR	30 - 130 %
% Phenol-d5	67		%	1	08/11/25	MR	30 - 130 %
% Terphenyl-d14	86		%	1	08/11/25	MR	30 - 130 %

SPLP Semivolatiles by SIM

2-Methylnaphthalene	ND	0.51	ug/L	1	08/08/25	MR	SW8270E (SIM)
Acenaphthene	ND	0.51	ug/L	1	08/08/25	MR	SW8270E (SIM)
Acenaphthylene	ND	0.10	ug/L	1	08/08/25	MR	SW8270E (SIM)
Anthracene	ND	0.10	ug/L	1	08/08/25	MR	SW8270E (SIM)
Benz(a)anthracene	ND	0.05	ug/L	1	08/08/25	MR	SW8270E (SIM)
Benzo(a)pyrene	ND	0.20	ug/L	1	08/08/25	MR	SW8270E (SIM)
Benzo(b)fluoranthene	ND	0.07	ug/L	1	08/08/25	MR	SW8270E (SIM)
Benzo(ghi)perylene	ND	0.02	ug/L	1	08/08/25	MR	SW8270E (SIM)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benzo(k)fluoranthene	ND	0.10	ug/L	1	08/08/25	MR	SW8270E (SIM)
Chrysene	ND	0.05	ug/L	1	08/08/25	MR	SW8270E (SIM)
Dibenz(a,h)anthracene	ND	0.02	ug/L	1	08/08/25	MR	SW8270E (SIM)
Fluoranthene	ND	0.51	ug/L	1	08/08/25	MR	SW8270E (SIM)
Fluorene	ND	0.10	ug/L	1	08/08/25	MR	SW8270E (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.10	ug/L	1	08/08/25	MR	SW8270E (SIM)
Naphthalene	ND	0.51	ug/L	1	08/08/25	MR	SW8270E (SIM)
Phenanthrene	ND	0.06	ug/L	1	08/08/25	MR	SW8270E (SIM)
Pyrene	ND	0.07	ug/L	1	08/08/25	MR	SW8270E (SIM)
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	67		%	1	08/08/25	MR	30 - 130 %
% Nitrobenzene-d5	70		%	1	08/08/25	MR	30 - 130 %
% Terphenyl-d14	64		%	1	08/08/25	MR	30 - 130 %

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

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

Comments:

Paint Filter Test:

Pass = no free liquids were detected. Fail = free liquids were detected.

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide. This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

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.

Hexavalent Chromium:

This sample is in a reducing state.

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

August 13, 2025

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

Analysis Report

August 13, 2025

FOR: Attn: Walter Sepelak
HRP Associates Inc.
Farmington Business Center
197 Scott Swamp Rd.
Farmington, CT 06032

Sample Information

Matrix: SOIL
Location Code: HRP-DAS
Rush Request: 5 Day
P.O.#:

Custody Information

Collected by: CL
Received by: SR1
Analyzed by: see "By" below

Date

08/05/25
08/05/25

Time

12:28
15:41

Laboratory Data

SDG ID: GCT92045
Phoenix ID: CT92046

Project ID: CTD5017.FW
Client ID: COMP-2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	1	08/06/25	CPP	SW6010D
Arsenic	3.80	0.76	mg/Kg	1	08/06/25	CPP	SW6010D
Barium	46.6	0.38	mg/Kg	1	08/06/25	CPP	SW6010D
Beryllium	< 0.30	0.30	mg/Kg	1	08/06/25	CPP	SW6010D
Cadmium	< 0.38	0.38	mg/Kg	1	08/06/25	CPP	SW6010D
Chromium	20.0	0.38	mg/Kg	1	08/06/25	CPP	SW6010D
Copper	14.1	0.8	mg/kg	1	08/06/25	CPP	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	08/06/25	aj1/ZT	SW7471B
Nickel	11.6	0.38	mg/Kg	1	08/06/25	CPP	SW6010D
Lead	3.78	0.38	mg/Kg	1	08/06/25	CPP	SW6010D
Antimony	< 2.0	2.0	mg/Kg	1	08/06/25	CPP	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Silver	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Arsenic	< 0.004	0.004	mg/L	1	08/06/25	CPP	SW6010D
SPLP Barium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Beryllium	< 0.001	0.001	mg/L	1	08/06/25	CPP	SW6010D
SPLP Cadmium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Chromium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Copper	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Mercury	< 0.0002	0.0002	mg/L	1	08/06/25	AJ1	SW7470A
SPLP Nickel	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Lead	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Antimony	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Selenium	< 0.020	0.020	mg/L	1	08/06/25	CPP	SW6010D
SPLP Thallium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Trivalent Chromium	< 0.010	0.010	mg/L	1	08/06/25		SW6010D
SPLP Vanadium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Zinc	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Silver	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Arsenic	< 0.01	0.01	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Barium	0.27	0.01	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Beryllium	< 0.004	0.004	mg/L	1	08/06/25	CPP	SW6010D
TCLP Cadmium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Chromium	0.017	0.010	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Copper	0.012	0.010	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	08/06/25	AJ1	SW846 1311/7470
TCLP Nickel	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Lead	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Antimony	< 0.006	0.006	mg/L	1	08/06/25	CPP	SW6010D
TCLP Selenium	< 0.05	0.05	mg/L	1	08/06/25	CPP	SW846 1311/6010D
TCLP Thallium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
TCLP Trivalent Chromium	0.017	0.010	mg/L	1	08/06/25		SW6010D
TCLP Vanadium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
TCLP Zinc	0.015	0.010	mg/L	1	08/06/25	CPP	SW846 1311/6010D
Thallium	< 0.8	0.8	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Metals Digestion	Completed				08/06/25	AK/GW	SW3010A
TCLP Metals Digestion	Completed				08/06/25	AK/GW	SW3005A
Trivalent Chromium	20.0	0.38	mg/kg	1	08/11/25		CALC 6010-7196
Vanadium	22.2	0.38	mg/Kg	1	08/06/25	CPP	SW6010D
Zinc	21.7	0.8	mg/Kg	1	08/06/25	CPP	SW6010D
Percent Solid	90		%		08/05/25	CV	SW846-%Solid
Conductivity - Soil Matrix	412	5	umhos/cm	1	08/07/25	AF	SW9050A
Corrosivity	Negative		Pos/Neg	1	08/06/25	KG	SW846-Corr
Flash Point	>200	200	Degree F	1	08/07/25	G	SW1010B
Chromium, Hex. (SW3060A digestion)	< 0.43	0.43	mg/Kg	1	08/11/25	NP	SW7196A
Ignitability	Passed	140	degree F	1	08/07/25	G	SW846-Ignit
pH at 20C - Soil	10.1	1.00	pH Units	1	08/06/25 01:30	KG	SW846 9045D
Reactivity Cyanide	< 5	5	mg/Kg	1	08/06/25	JB1/GD	SW846 7.3.3.1/90
Reactivity Sulfide	< 20	20	mg/Kg	1	08/06/25	JB1/GD	SW846 CH7
Reactivity	Negative		Pos/Neg	1	08/06/25	JB1/GD	SW846-React
Redox Potential	169		mV	1	08/06/25	KG	SM2580B-09
SPLP Hexavalent Chromium	< 0.01	0.01	mg/L	1	08/06/25	IG	SW1312/SW3500CRD
TCLP Hexavalent Chromium	< 0.01	0.01	mg/L	1	08/06/25	IG	SW7196A
Field Extraction	Completed				08/05/25		SW5035A
Mercury Digestion	Completed				08/06/25	SD/GW	SW7471B
Extraction of ETPH	Completed				08/11/25	/DS	SW3546
Soil Extraction for Herbicide	Completed				08/08/25	X/MQ	SW3546
Soil Extraction for PCB	Completed				08/06/25	S/Q	SW3546
Soil Extraction for Pesticide	Completed				08/06/25	S/Q	SW3546
Soil Extraction for SVOA	Completed				08/11/25	/DS	SW3546
Paint Filter Test	Passed		PASS/FAIL		08/05/25	O	SW9095B
SPLP Digestion Mercury	Completed				08/06/25	AK/GW	SW1312/SW7470A
SPLP Extraction for Metals	Completed				08/05/25	AK	SW1312
SPLP Extraction for Organics	Completed				08/05/25	AK	SW1312
SPLP Semivolatiles (SIM) Ext.	Completed				08/07/25	L/RB	SW3510C/SW3520C
SPLP Inorganic Extraction	Completed				08/05/25	AK	SW1311

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Digestion Mercury	Completed				08/06/25	AK/GW	SW7470A
TCLP Extraction for Metals	Completed				08/05/25	AK	SW1311
TCLP Inorganic Extraction	Completed				08/05/25	AK	SW1311
Total Metals Digest	Completed				08/05/25	N/AG/BF	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	28	ug/Kg	2	08/11/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	28	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-D	ND	28	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-DB	ND	28	ug/Kg	2	08/11/25	JRB	SW8151A
Dalapon	ND	28	ug/Kg	2	08/11/25	JRB	SW8151A
Dicamba	ND	28	ug/Kg	2	08/11/25	JRB	SW8151A
Dichloroprop	ND	28	ug/Kg	2	08/11/25	JRB	SW8151A
Dinoseb	ND	28	ug/Kg	2	08/11/25	JRB	SW8151A
MCPA	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A
MCPP	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A

QA/QC Surrogates

% DCAA	80		%	2	08/11/25	JRB	30 - 150 %
% DCAA (Confirmation)	62		%	2	08/11/25	JRB	30 - 150 %

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	55	mg/Kg	1	08/12/25	JRB	CTETPH
Identification	ND		mg/Kg	1	08/12/25	JRB	CTETPH

QA/QC Surrogates

% Terphenyl-d14	78		%	1	08/12/25	JRB	50 - 150 %
% Tricosane(C23)	74		%	1	08/12/25	JRB	50 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	72	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1221	ND	72	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1232	ND	72	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1242	ND	72	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1248	ND	72	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1254	ND	72	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1260	ND	72	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1262	ND	72	ug/Kg	2	08/07/25	SC	SW8082A
PCB-1268	ND	72	ug/Kg	2	08/07/25	SC	SW8082A

QA/QC Surrogates

% DCBP	67		%	2	08/07/25	SC	30 - 150 %
% DCBP (Confirmation)	69		%	2	08/07/25	SC	30 - 150 %
% TCMX	71		%	2	08/07/25	SC	30 - 150 %
% TCMX (Confirmation)	59		%	2	08/07/25	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
4,4' -DDE	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
4,4' -DDT	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
α-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Alachlor	ND	7.2	ug/Kg	2	08/07/25	KCA	SW8081B
Aldrin	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
b-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Chlordane	ND	14	ug/Kg	2	08/07/25	KCA	SW8081B
d-BHC	ND	1.4	ug/Kg	2	08/07/25	KCA	SW8081B
Dieldrin	ND	3.6	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan I	ND	7.2	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan II	ND	7.2	ug/Kg	2	08/07/25	KCA	SW8081B
Endosulfan sulfate	ND	7.2	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin	ND	7.2	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin aldehyde	ND	7.2	ug/Kg	2	08/07/25	KCA	SW8081B
Endrin ketone	ND	7.2	ug/Kg	2	08/07/25	KCA	SW8081B
g-BHC	ND	0.29	ug/Kg	2	08/07/25	KCA	SW8081B
Heptachlor	ND	7.2	ug/Kg	2	08/07/25	KCA	SW8081B
Heptachlor epoxide	ND	7.2	ug/Kg	2	08/07/25	KCA	SW8081B
Methoxychlor	ND	36	ug/Kg	2	08/07/25	KCA	SW8081B
Toxaphene	ND	140	ug/Kg	2	08/07/25	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	74		%	2	08/07/25	KCA	30 - 150 %
% DCBP (Confirmation)	72		%	2	08/07/25	KCA	30 - 150 %
% TCMX	70		%	2	08/07/25	KCA	30 - 150 %
% TCMX (Confirmation)	72		%	2	08/07/25	KCA	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.63	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloropropane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichloropropane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
2,2-Dichloropropane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
2-Chlorotoluene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
2-Hexanone	ND	31	ug/Kg	1	08/06/25	JLI	SW8260D
2-Isopropyltoluene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
4-Chlorotoluene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	31	ug/Kg	1	08/06/25	JLI	SW8260D
Acetone	ND	310	ug/Kg	1	08/06/25	JLI	SW8260D
Acrylonitrile	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Bromobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Bromochloromethane	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromodichloromethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Bromoform	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Bromomethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon Disulfide	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon tetrachloride	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Chlorobenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroform	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Chloromethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromochloromethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromomethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Dichlorodifluoromethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Ethylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Hexachlorobutadiene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Isopropylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
m&p-Xylene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	38	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Methylene chloride	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Naphthalene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
n-Butylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
n-Propylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
o-Xylene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
p-Isopropyltoluene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
sec-Butylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Styrene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
tert-Butylbenzene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrachloroethene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	13	ug/Kg	1	08/06/25	JLI	SW8260D
Toluene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Total Xylenes	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	1	08/06/25	JLI	SW8260D
Trichloroethene	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorofluoromethane	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	13	ug/Kg	1	08/06/25	JLI	SW8260D
Vinyl chloride	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	1	08/06/25	JLI	70 - 130 %
% Bromofluorobenzene	96		%	1	08/06/25	JLI	70 - 130 %
% Dibromofluoromethane	104		%	1	08/06/25	JLI	70 - 130 %
% Toluene-d8	97		%	1	08/06/25	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Oxygenates & Dioxane</u>							
1,4-Dioxane	ND	20	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Diethyl ether	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Di-isopropyl ether	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Ethyl tert-butyl ether	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
tert-amyl methyl ether	ND	6.3	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	50	ug/Kg	1	08/11/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
1,2,4-Trichlorobenzene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
1,2-Dichlorobenzene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
1,3-Dichlorobenzene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
1,4-Dichlorobenzene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dichlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dimethylphenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
2,4-Dinitrotoluene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
2-Chloronaphthalene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
2-Chlorophenol	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2-Methylnaphthalene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
2-Nitrophenol	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	1	08/11/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
3-Nitroaniline	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	370	ug/Kg	1	08/11/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
4-Chloroaniline	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
4-Nitrophenol	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Acenaphthene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Acenaphthylene	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
Acetophenone	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Aniline	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Anthracene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Benz(a)anthracene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(a)pyrene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(b)fluoranthene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Benzo(ghi)perylene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benzo(k)fluoranthene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Benzoic acid	ND	740	ug/Kg	1	08/11/25	MR	SW8270E
Benzyl butyl phthalate	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	370	ug/Kg	1	08/11/25	MR	SW8270E
Carbazole	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
Chrysene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Dibenz(a,h)anthracene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Diethyl phthalate	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Dimethylphthalate	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Di-n-butylphthalate	ND	370	ug/Kg	1	08/11/25	MR	SW8270E
Di-n-octylphthalate	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Fluoranthene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Fluorene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorobenzene	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Hexachloroethane	ND	70	ug/Kg	1	08/11/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Isophorone	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Naphthalene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/11/25	MR	SW8270E
Pentachlorophenol	ND	300	ug/Kg	1	08/11/25	MR	SW8270E
Phenanthrene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Phenol	ND	100	ug/Kg	1	08/11/25	MR	SW8270E
Pyrene	ND	260	ug/Kg	1	08/11/25	MR	SW8270E
Pyridine	ND	200	ug/Kg	1	08/11/25	MR	SW8270E

QA/QC Surrogates

% 2,4,6-Tribromophenol	84		%	1	08/11/25	MR	30 - 130 %
% 2-Fluorobiphenyl	63		%	1	08/11/25	MR	30 - 130 %
% 2-Fluorophenol	64		%	1	08/11/25	MR	30 - 130 %
% Nitrobenzene-d5	59		%	1	08/11/25	MR	30 - 130 %
% Phenol-d5	66		%	1	08/11/25	MR	30 - 130 %
% Terphenyl-d14	80		%	1	08/11/25	MR	30 - 130 %

SPLP Semivolatiles by SIM

2-Methylnaphthalene	ND	0.47	ug/L	1	08/08/25	MR	SW8270E (SIM)
Acenaphthene	ND	0.47	ug/L	1	08/08/25	MR	SW8270E (SIM)
Acenaphthylene	ND	0.09	ug/L	1	08/08/25	MR	SW8270E (SIM)
Anthracene	ND	0.09	ug/L	1	08/08/25	MR	SW8270E (SIM)
Benz(a)anthracene	ND	0.05	ug/L	1	08/08/25	MR	SW8270E (SIM)
Benzo(a)pyrene	ND	0.19	ug/L	1	08/08/25	MR	SW8270E (SIM)
Benzo(b)fluoranthene	ND	0.07	ug/L	1	08/08/25	MR	SW8270E (SIM)
Benzo(ghi)perylene	ND	0.02	ug/L	1	08/08/25	MR	SW8270E (SIM)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benzo(k)fluoranthene	ND	0.09	ug/L	1	08/08/25	MR	SW8270E (SIM)
Chrysene	ND	0.05	ug/L	1	08/08/25	MR	SW8270E (SIM)
Dibenz(a,h)anthracene	ND	0.02	ug/L	1	08/08/25	MR	SW8270E (SIM)
Fluoranthene	ND	0.47	ug/L	1	08/08/25	MR	SW8270E (SIM)
Fluorene	ND	0.09	ug/L	1	08/08/25	MR	SW8270E (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.09	ug/L	1	08/08/25	MR	SW8270E (SIM)
Naphthalene	ND	0.47	ug/L	1	08/08/25	MR	SW8270E (SIM)
Phenanthrene	ND	0.06	ug/L	1	08/08/25	MR	SW8270E (SIM)
Pyrene	ND	0.07	ug/L	1	08/08/25	MR	SW8270E (SIM)
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	70		%	1	08/08/25	MR	30 - 130 %
% Nitrobenzene-d5	72		%	1	08/08/25	MR	30 - 130 %
% Terphenyl-d14	67		%	1	08/08/25	MR	30 - 130 %

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

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

Comments:

Paint Filter Test:

Pass = no free liquids were detected. Fail = free liquids were detected.

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide. This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

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.

Hexavalent Chromium:

This sample is in a reducing state.

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

August 13, 2025

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

Analysis Report

August 13, 2025

FOR: Attn: Walter Sepelak
HRP Associates Inc.
Farmington Business Center
197 Scott Swamp Rd.
Farmington, CT 06032

Sample Information

Matrix: SOIL
Location Code: HRP-DAS
Rush Request: 5 Day
P.O.#:

Custody Information

Collected by: CL
Received by: SR1
Analyzed by: see "By" below

Date

08/05/25
08/05/25

Time

13:35
15:41

Laboratory Data

SDG ID: GCT92045
Phoenix ID: CT92047

Project ID: CTD5017.FW
Client ID: COMP-3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Arsenic	3.67	0.72	mg/Kg	1	08/06/25	CPP	SW6010D
Barium	39.7	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Beryllium	< 0.29	0.29	mg/Kg	1	08/06/25	CPP	SW6010D
Cadmium	< 0.36	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Chromium	18.3	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Copper	8.3	0.7	mg/kg	1	08/06/25	CPP	SW6010D
Mercury	< 0.03	0.03	mg/Kg	2	08/06/25	aj1/ZT	SW7471B
Nickel	10.3	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Lead	4.80	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Antimony	< 2.0	2.0	mg/Kg	1	08/06/25	CPP	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Silver	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Arsenic	0.013	0.004	mg/L	1	08/06/25	CPP	SW6010D
SPLP Barium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Beryllium	< 0.001	0.001	mg/L	1	08/06/25	CPP	SW6010D
SPLP Cadmium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Chromium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Copper	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Mercury	< 0.0002	0.0002	mg/L	1	08/06/25	AJ1	SW7470A
SPLP Nickel	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Lead	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Antimony	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Selenium	< 0.020	0.020	mg/L	1	08/06/25	CPP	SW6010D
SPLP Thallium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
SPLP Trivalent Chromium	< 0.010	0.010	mg/L	1	08/06/25		SW6010D
SPLP Vanadium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
SPLP Zinc	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Silver	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Arsenic	< 0.01	0.01	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Barium	0.25	0.01	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Beryllium	< 0.004	0.004	mg/L	1	08/06/25	CPP	SW6010D
TCLP Cadmium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Chromium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Copper	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Mercury	< 0.0002	0.0002	mg/L	1	08/06/25	AJ1	SW846 1311/7470
TCLP Nickel	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Lead	0.015	0.010	mg/L	1	08/06/25	CPP	SW846 1311/6010
TCLP Antimony	< 0.006	0.006	mg/L	1	08/06/25	CPP	SW6010D
TCLP Selenium	< 0.05	0.05	mg/L	1	08/06/25	CPP	SW846 1311/6010D
TCLP Thallium	< 0.005	0.005	mg/L	1	08/06/25	CPP	SW6010D
TCLP Trivalent Chromium	< 0.010	0.010	mg/L	1	08/06/25		SW6010D
TCLP Vanadium	< 0.010	0.010	mg/L	1	08/06/25	CPP	SW6010D
TCLP Zinc	0.080	0.010	mg/L	1	08/06/25	CPP	SW846 1311/6010D
Thallium	< 0.8	0.8	mg/Kg	1	08/06/25	CPP	SW6010D
SPLP Metals Digestion	Completed				08/06/25	AK/GW	SW3010A
TCLP Metals Digestion	Completed				08/06/25	AK/GW	SW3005A
Trivalent Chromium	18.3	0.36	mg/kg	1	08/11/25		CALC 6010-7196
Vanadium	18.0	0.36	mg/Kg	1	08/06/25	CPP	SW6010D
Zinc	24.6	0.7	mg/Kg	1	08/06/25	CPP	SW6010D
Percent Solid	92		%		08/05/25	CV	SW846-%Solid
Conductivity - Soil Matrix	152	5	umhos/cm	1	08/07/25	AF	SW9050A
Corrosivity	Negative		Pos/Neg	1	08/06/25	KG	SW846-Corr
Flash Point	>200	200	Degree F	1	08/07/25	G	SW1010B
Chromium, Hex. (SW3060A digestion)	< 0.40	0.40	mg/Kg	1	08/11/25	NP	SW7196A
Ignitability	Passed	140	degree F	1	08/07/25	G	SW846-Ignit
pH at 20C - Soil	8.34	1.00	pH Units	1	08/06/25 01:30	KG	SW846 9045D
Reactivity Cyanide	< 5	5	mg/Kg	1	08/06/25	JB1/GD	SW846 7.3.3.1/90
Reactivity Sulfide	< 20	20	mg/Kg	1	08/06/25	JB1/GD	SW846 CH7
Reactivity	Negative		Pos/Neg	1	08/06/25	JB1/GD	SW846-React
Redox Potential	204		mV	1	08/06/25	KG	SM2580B-09
SPLP Hexavalent Chromium	< 0.01	0.01	mg/L	1	08/06/25	IG	SW1312/SW3500CRD
TCLP Hexavalent Chromium	< 0.01	0.01	mg/L	1	08/06/25	IG	SW7196A
Field Extraction	Completed				08/05/25		SW5035A
Mercury Digestion	Completed				08/06/25	SD/GW	SW7471B
Extraction of ETPH	Completed				08/11/25	/DS	SW3546
Soil Extraction for Herbicide	Completed				08/08/25	X/MQ	SW3546
Soil Extraction for PCB	Completed				08/06/25	S/Q	SW3546
Soil Extraction for Pesticide	Completed				08/06/25	S/Q	SW3546
Soil Extraction for SVOA	Completed				08/11/25	/DS	SW3546
Paint Filter Test	Passed		PASS/FAIL		08/05/25	O	SW9095B
SPLP Digestion Mercury	Completed				08/06/25	AK/GW	SW1312/SW7470A
SPLP Extraction for Metals	Completed				08/05/25	AK	SW1312
SPLP Extraction for Organics	Completed				08/05/25	AK	SW1312
SPLP Semivolatiles (SIM) Ext.	Completed				08/07/25	L/RB	SW3510C/SW3520C
SPLP Inorganic Extraction	Completed				08/05/25	AK	SW1311

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
TCLP Digestion Mercury	Completed				08/06/25	AK/GW	SW7470A
TCLP Extraction for Metals	Completed				08/05/25	AK	SW1311
TCLP Inorganic Extraction	Completed				08/05/25	AK	SW1311
Total Metals Digest	Completed				08/05/25	N/AG/BF	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
2,4,5-TP (Silvex)	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-D	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
2,4-DB	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
Dalapon	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
Dicamba	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
Dichloroprop	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
Dinoseb	ND	27	ug/Kg	2	08/11/25	JRB	SW8151A
MCPA	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A
MCPP	ND	3300	ug/Kg	2	08/11/25	JRB	SW8151A

QA/QC Surrogates

% DCAA	82		%	2	08/11/25	JRB	30 - 150 %
% DCAA (Confirmation)	65		%	2	08/11/25	JRB	30 - 150 %

TPH by GC (Extractable Products)

Ext. Petroleum H.C. (C9-C36)	ND	53	mg/Kg	1	08/12/25	JRB	CTETPH
Identification	ND		mg/Kg	1	08/12/25	JRB	CTETPH

QA/QC Surrogates

% Terphenyl-d14	82		%	1	08/12/25	JRB	50 - 150 %
% Tricosane(C23)	82		%	1	08/12/25	JRB	50 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	72	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1221	ND	72	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1232	ND	72	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1242	ND	72	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1248	ND	72	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1254	ND	72	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1260	ND	72	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1262	ND	72	ug/Kg	2	08/08/25	SC	SW8082A
PCB-1268	ND	72	ug/Kg	2	08/08/25	SC	SW8082A

QA/QC Surrogates

% DCBP	76		%	2	08/08/25	SC	30 - 150 %
% DCBP (Confirmation)	75		%	2	08/08/25	SC	30 - 150 %
% TCMX	72		%	2	08/08/25	SC	30 - 150 %
% TCMX (Confirmation)	70		%	2	08/08/25	SC	30 - 150 %

Pesticides

4,4' -DDD	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
4,4' -DDE	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
4,4' -DDT	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
α-BHC	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
Alachlor	ND	7.2	ug/Kg	2	08/08/25	KCA	SW8081B
Aldrin	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
b-BHC	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
Chlordane	ND	14	ug/Kg	2	08/08/25	KCA	SW8081B
d-BHC	ND	1.4	ug/Kg	2	08/08/25	KCA	SW8081B
Dieldrin	ND	3.6	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan I	ND	7.2	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan II	ND	7.2	ug/Kg	2	08/08/25	KCA	SW8081B
Endosulfan sulfate	ND	7.2	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin	ND	7.2	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin aldehyde	ND	7.2	ug/Kg	2	08/08/25	KCA	SW8081B
Endrin ketone	ND	7.2	ug/Kg	2	08/08/25	KCA	SW8081B
g-BHC	ND	0.29	ug/Kg	2	08/08/25	KCA	SW8081B
Heptachlor	ND	7.2	ug/Kg	2	08/08/25	KCA	SW8081B
Heptachlor epoxide	ND	7.2	ug/Kg	2	08/08/25	KCA	SW8081B
Methoxychlor	ND	36	ug/Kg	2	08/08/25	KCA	SW8081B
Toxaphene	ND	140	ug/Kg	2	08/08/25	KCA	SW8081B
<u>QA/QC Surrogates</u>							
% DCBP	66		%	2	08/08/25	KCA	30 - 150 %
% DCBP (Confirmation)	44		%	2	08/08/25	KCA	30 - 150 %
% TCMX	74		%	2	08/08/25	KCA	30 - 150 %
% TCMX (Confirmation)	75		%	2	08/08/25	KCA	30 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethane	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloroethene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,1-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.66	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloroethane	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,2-Dichloropropane	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,3-Dichloropropane	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
2,2-Dichloropropane	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
2-Chlorotoluene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
2-Hexanone	ND	33	ug/Kg	1	08/06/25	JLI	SW8260D
2-Isopropyltoluene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
4-Chlorotoluene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	33	ug/Kg	1	08/06/25	JLI	SW8260D
Acetone	ND	330	ug/Kg	1	08/06/25	JLI	SW8260D
Acrylonitrile	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benzene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
Bromobenzene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
Bromochloromethane	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Bromodichloromethane	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
Bromoform	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
Bromomethane	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon Disulfide	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
Carbon tetrachloride	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
Chlorobenzene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroethane	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
Chloroform	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
Chloromethane	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromochloromethane	ND	0.5	ug/Kg	1	08/06/25	JLI	SW8260D
Dibromomethane	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
Dichlorodifluoromethane	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
Ethylbenzene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
Hexachlorobutadiene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
Isopropylbenzene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
m&p-Xylene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	39	ug/Kg	1	08/06/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Methylene chloride	ND	10	ug/Kg	1	08/06/25	JLI	SW8260D
Naphthalene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
n-Butylbenzene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
n-Propylbenzene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
o-Xylene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
p-Isopropyltoluene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
sec-Butylbenzene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
Styrene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
tert-Butylbenzene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrachloroethene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	13	ug/Kg	1	08/06/25	JLI	SW8260D
Toluene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
Total Xylenes	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	1.0	ug/Kg	1	08/06/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	1	08/06/25	JLI	SW8260D
Trichloroethene	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorofluoromethane	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	13	ug/Kg	1	08/06/25	JLI	SW8260D
Vinyl chloride	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	1	08/06/25	JLI	70 - 130 %
% Bromofluorobenzene	97		%	1	08/06/25	JLI	70 - 130 %
% Dibromofluoromethane	104		%	1	08/06/25	JLI	70 - 130 %
% Toluene-d8	99		%	1	08/06/25	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Oxygenates & Dioxane</u>							
1,4-Dioxane	ND	20	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Diethyl ether	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Di-isopropyl ether	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
Ethyl tert-butyl ether	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
tert-amyl methyl ether	ND	6.6	ug/Kg	1	08/06/25	JLI	SW8260D (OXY)
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	50	ug/Kg	1	08/12/25	MR	SW8270E
1,2,4,5-Tetrachlorobenzene	ND	100	ug/Kg	1	08/12/25	MR	SW8270E
1,2,4-Trichlorobenzene	ND	200	ug/Kg	1	08/12/25	MR	SW8270E
1,2-Dichlorobenzene	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
1,2-Diphenylhydrazine	ND	200	ug/Kg	1	08/12/25	MR	SW8270E
1,3-Dichlorobenzene	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
1,4-Dichlorobenzene	ND	70	ug/Kg	1	08/12/25	MR	SW8270E
2,2'-Oxybis(1-Chloropropane)	ND	70	ug/Kg	1	08/12/25	MR	SW8270E
2,4,5-Trichlorophenol	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
2,4,6-Trichlorophenol	ND	70	ug/Kg	1	08/12/25	MR	SW8270E
2,4-Dichlorophenol	ND	70	ug/Kg	1	08/12/25	MR	SW8270E
2,4-Dimethylphenol	ND	70	ug/Kg	1	08/12/25	MR	SW8270E
2,4-Dinitrophenol	ND	300	ug/Kg	1	08/12/25	MR	SW8270E
2,4-Dinitrotoluene	ND	70	ug/Kg	1	08/12/25	MR	SW8270E
2,6-Dinitrotoluene	ND	200	ug/Kg	1	08/12/25	MR	SW8270E
2-Chloronaphthalene	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
2-Chlorophenol	ND	70	ug/Kg	1	08/12/25	MR	SW8270E
2-Methylnaphthalene	ND	70	ug/Kg	1	08/12/25	MR	SW8270E
2-Methylphenol (o-cresol)	ND	100	ug/Kg	1	08/12/25	MR	SW8270E
2-Nitroaniline	ND	300	ug/Kg	1	08/12/25	MR	SW8270E
2-Nitrophenol	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	1	08/12/25	MR	SW8270E
3,3'-Dichlorobenzidine	ND	100	ug/Kg	1	08/12/25	MR	SW8270E
3-Nitroaniline	ND	100	ug/Kg	1	08/12/25	MR	SW8270E
4,6-Dinitro-2-methylphenol	ND	300	ug/Kg	1	08/12/25	MR	SW8270E
4-Bromophenyl phenyl ether	ND	360	ug/Kg	1	08/12/25	MR	SW8270E
4-Chloro-3-methylphenol	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
4-Chloroaniline	ND	100	ug/Kg	1	08/12/25	MR	SW8270E
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
4-Nitroaniline	ND	300	ug/Kg	1	08/12/25	MR	SW8270E
4-Nitrophenol	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
Acenaphthene	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
Acenaphthylene	ND	100	ug/Kg	1	08/12/25	MR	SW8270E
Acetophenone	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
Aniline	ND	200	ug/Kg	1	08/12/25	MR	SW8270E
Anthracene	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
Benz(a)anthracene	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
Benzidine	ND	200	ug/Kg	1	08/12/25	MR	SW8270E
Benzo(a)pyrene	ND	200	ug/Kg	1	08/12/25	MR	SW8270E
Benzo(b)fluoranthene	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
Benzo(ghi)perylene	ND	250	ug/Kg	1	08/12/25	MR	SW8270E

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benzo(k)fluoranthene	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
Benzoic acid	ND	720	ug/Kg	1	08/12/25	MR	SW8270E
Benzyl butyl phthalate	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
Bis(2-chloroethyl)ether	ND	70	ug/Kg	1	08/12/25	MR	SW8270E
Bis(2-ethylhexyl)phthalate	ND	360	ug/Kg	1	08/12/25	MR	SW8270E
Carbazole	ND	100	ug/Kg	1	08/12/25	MR	SW8270E
Chrysene	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
Dibenz(a,h)anthracene	ND	70	ug/Kg	1	08/12/25	MR	SW8270E
Dibenzofuran	ND	200	ug/Kg	1	08/12/25	MR	SW8270E
Diethyl phthalate	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
Dimethylphthalate	ND	70	ug/Kg	1	08/12/25	MR	SW8270E
Di-n-butylphthalate	ND	360	ug/Kg	1	08/12/25	MR	SW8270E
Di-n-octylphthalate	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
Fluoranthene	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
Fluorene	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
Hexachlorobenzene	ND	70	ug/Kg	1	08/12/25	MR	SW8270E
Hexachlorobutadiene	ND	200	ug/Kg	1	08/12/25	MR	SW8270E
Hexachlorocyclopentadiene	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
Hexachloroethane	ND	70	ug/Kg	1	08/12/25	MR	SW8270E
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
Isophorone	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
Naphthalene	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
Nitrobenzene	ND	200	ug/Kg	1	08/12/25	MR	SW8270E
N-Nitrosodimethylamine	ND	200	ug/Kg	1	08/12/25	MR	SW8270E
N-Nitrosodi-n-propylamine	ND	200	ug/Kg	1	08/12/25	MR	SW8270E
N-Nitrosodiphenylamine	ND	200	ug/Kg	1	08/12/25	MR	SW8270E
Pentachloronitrobenzene	ND	140	ug/Kg	1	08/12/25	MR	SW8270E
Pentachlorophenol	ND	300	ug/Kg	1	08/12/25	MR	SW8270E
Phenanthrene	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
Phenol	ND	100	ug/Kg	1	08/12/25	MR	SW8270E
Pyrene	ND	250	ug/Kg	1	08/12/25	MR	SW8270E
Pyridine	ND	200	ug/Kg	1	08/12/25	MR	SW8270E

QA/QC Surrogates

% 2,4,6-Tribromophenol	113		%	1	08/12/25	MR	30 - 130 %
% 2-Fluorobiphenyl	73		%	1	08/12/25	MR	30 - 130 %
% 2-Fluorophenol	73		%	1	08/12/25	MR	30 - 130 %
% Nitrobenzene-d5	74		%	1	08/12/25	MR	30 - 130 %
% Phenol-d5	75		%	1	08/12/25	MR	30 - 130 %
% Terphenyl-d14	76		%	1	08/12/25	MR	30 - 130 %

SPLP Semivolatiles by SIM

2-Methylnaphthalene	ND	0.50	ug/L	1	08/08/25	MR	SW8270E (SIM)
Acenaphthene	ND	0.50	ug/L	1	08/08/25	MR	SW8270E (SIM)
Acenaphthylene	ND	0.10	ug/L	1	08/08/25	MR	SW8270E (SIM)
Anthracene	ND	0.09	ug/L	1	08/08/25	MR	SW8270E (SIM)
Benz(a)anthracene	ND	0.05	ug/L	1	08/08/25	MR	SW8270E (SIM)
Benzo(a)pyrene	ND	0.20	ug/L	1	08/08/25	MR	SW8270E (SIM)
Benzo(b)fluoranthene	ND	0.07	ug/L	1	08/08/25	MR	SW8270E (SIM)
Benzo(ghi)perylene	ND	0.02	ug/L	1	08/08/25	MR	SW8270E (SIM)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Benzo(k)fluoranthene	ND	0.10	ug/L	1	08/08/25	MR	SW8270E (SIM)
Chrysene	ND	0.05	ug/L	1	08/08/25	MR	SW8270E (SIM)
Dibenz(a,h)anthracene	ND	0.02	ug/L	1	08/08/25	MR	SW8270E (SIM)
Fluoranthene	ND	0.50	ug/L	1	08/08/25	MR	SW8270E (SIM)
Fluorene	ND	0.10	ug/L	1	08/08/25	MR	SW8270E (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.10	ug/L	1	08/08/25	MR	SW8270E (SIM)
Naphthalene	ND	0.50	ug/L	1	08/08/25	MR	SW8270E (SIM)
Phenanthrene	ND	0.06	ug/L	1	08/08/25	MR	SW8270E (SIM)
Pyrene	ND	0.07	ug/L	1	08/08/25	MR	SW8270E (SIM)
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	77		%	1	08/08/25	MR	30 - 130 %
% Nitrobenzene-d5	79		%	1	08/08/25	MR	30 - 130 %
% Terphenyl-d14	75		%	1	08/08/25	MR	30 - 130 %

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

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

Comments:

Paint Filter Test:

Pass = no free liquids were detected. Fail = free liquids were detected.

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide. This method is no longer listed in the current version of SW-846.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Sulfide. This method is no longer listed in the current version of SW-846.

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.

Hexavalent Chromium:

This sample is in a reducing state.

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

August 13, 2025

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

August 13, 2025

QA/QC Data

SDG I.D.: GCT92045

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 797567 (mg/kg), QC Sample No: CT92046 (CT92045, CT92046, CT92047)

Chromium, Hexavalent - Soil

Chromium, Hexavalent	BRL	0.40	<0.43	<0.43	NC	97.4						80 - 120	30
Chromium, Hexavalent (Ins)						92.7			93.4			80 - 120	30
Chromium, Hexavalent (Sol)						95.8			86.5			80 - 120	30

Comment:

Additional Hexavalent Chromium criteria: MS acceptance range is 75-125%.

QA/QC Batch 796883 (mg/kg), QC Sample No: CT92030 (CT92045, CT92046, CT92047)

Mercury - Soil	BRL	0.03	<0.03	<0.03	NC	94.5	97.2	2.8	91.9	105	13.3	75 - 125	30
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Comment:

Additional Mercury Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range is 75-125% for aqueous and 80-120% for soils.

QA/QC Batch 796874 (mg/L), QC Sample No: CT92045 (CT92045, CT92046, CT92047)

Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	90.5			90.2			80 - 120	20
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Comment:

Additional Mercury Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range is 75-125% for aqueous and 80-120% for soils.

QA/QC Batch 796876 (mg/L), QC Sample No: CT91949 (CT92045, CT92046, CT92047)

ICP Metals - TCLP Extraction

Antimony	BRL	0.006	<0.006	<0.006	NC	100	101	1.0	102			80 - 120	20
Arsenic	BRL	0.01	<0.01	<0.01	NC	107	107	0.0	108			80 - 120	20
Barium	BRL	0.01	0.31	0.31	0	103	102	1.0	102			80 - 120	20
Beryllium	BRL	0.004	<0.004	<0.004	NC	104	103	1.0	103			80 - 120	20
Cadmium	BRL	0.005	0.006	0.005	NC	100	100	0.0	97.6			80 - 120	20
Chromium	BRL	0.010	<0.010	<0.010	NC	103	103	0.0	101			80 - 120	20
Copper	BRL	0.010	1.17	1.17	0	106	105	0.9	105			80 - 120	20
Lead	BRL	0.010	0.358	0.358	0	98.6	99.0	0.4	102			80 - 120	20
Nickel	BRL	0.010	0.052	0.051	1.90	99.3	98.8	0.5	96.6			80 - 120	20
Selenium	BRL	0.05	<0.05	<0.05	NC	107	107	0.0	105			80 - 120	20
Silver	BRL	0.010	<0.010	<0.010	NC	109	108	0.9	110			80 - 120	20
Thallium	BRL	0.005	<0.005	<0.005	NC	96.2	96.4	0.2	94.5			80 - 120	20
Vanadium	BRL	0.010	<0.010	<0.010	NC	103	103	0.0	103			80 - 120	20
Zinc	BRL	0.010	1.56	1.55	0.60	101	101	0.0	101			80 - 120	20

Comment:

Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range 75-125%.

QA/QC Batch 796877 (mg/L), QC Sample No: CT92027 (CT92045, CT92046, CT92047)

ICP Metals - SPLP Extraction

Antimony	BRL	0.005	<0.005	<0.005	NC	102	104	1.9	102			80 - 120	20
Arsenic	BRL	0.004	0.021	0.020	4.90	102	105	2.9	103			80 - 120	20
Barium	BRL	0.010	0.033	0.033	NC	103	105	1.9	104			80 - 120	20
Beryllium	BRL	0.001	<0.001	<0.001	NC	104	106	1.9	104			80 - 120	20

QA/QC Data

SDG I.D.: GCT92045

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Cadmium	BRL	0.005	<0.005	<0.005	NC	102	104	1.9	102			80 - 120	20
Chromium	BRL	0.010	<0.010	<0.010	NC	103	106	2.9	103			80 - 120	20
Copper	BRL	0.010	0.013	0.014	NC	103	105	1.9	104			80 - 120	20
Lead	BRL	0.010	0.028	0.029	NC	102	104	1.9	102			80 - 120	20
Nickel	BRL	0.010	<0.010	<0.010	NC	102	104	1.9	102			80 - 120	20
Selenium	BRL	0.020	<0.020	<0.020	NC	106	107	0.9	104			80 - 120	20
Silver	BRL	0.010	<0.010	<0.010	NC	105	107	1.9	105			80 - 120	20
Thallium	BRL	0.005	<0.005	<0.005	NC	103	105	1.9	103			80 - 120	20
Vanadium	BRL	0.010	0.015	0.015	NC	103	105	1.9	103			80 - 120	20
Zinc	BRL	0.010	0.089	0.088	1.10	103	104	1.0	102			80 - 120	20

Comment:

Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range 75-125%.

QA/QC Batch 796785 (mg/kg), QC Sample No: CT92111 (CT92045, CT92046, CT92047)

ICP Metals - Soil

Antimony	BRL	3.3	<3.2	<3.2	NC	85.0	91.2	7.0	89.6			75 - 125	30
Arsenic	BRL	0.67	1.84	1.30	NC	77.9	79.4	1.9	89.9			75 - 125	30
Barium	BRL	0.33	6.43	6.75	4.90	104	90.9	13.4	103			75 - 125	30
Beryllium	BRL	0.27	<0.26	0.33	NC	94.9	98.6	3.8	97.9			75 - 125	30
Cadmium	BRL	0.33	<0.32	<0.32	NC	95.4	96.6	1.2	98.6			75 - 125	30
Chromium	BRL	0.33	4.26	3.56	17.9	95.1	100	5.0	99.5			75 - 125	30
Copper	BRL	0.67	3.7	3.66	1.10	95.0	98.5	3.6	100			75 - 125	30
Lead	BRL	0.33	34.0	33.8	0.60	94.3	93.9	0.4	97.7			75 - 125	30
Nickel	BRL	0.33	2.56	2.24	13.3	94.4	100	5.8	97.6			75 - 125	30
Selenium	BRL	1.3	<1.3	<1.3	NC	85.1	85.5	0.5	78.9			75 - 125	30
Silver	BRL	0.33	<0.32	<0.32	NC	99.1	100	0.9	95.4			75 - 125	30
Thallium	BRL	3.0	<2.9	<2.8	NC	94.4	93.5	1.0	96.4			75 - 125	30
Vanadium	BRL	0.33	11.5	10.3	11.0	93.4	97.9	4.7	98.4			75 - 125	30
Zinc	BRL	0.67	17.2	20.1	15.5	90.9	94.2	3.6	93.1			75 - 125	30

Comment:

Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range 75-125%.



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

QA/QC Report

August 13, 2025

QA/QC Data

SDG I.D.: GCT92045

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 796880 (mg/Kg), QC Sample No: CT92045 (CT92045, CT92046, CT92047)													
Reactivity Cyanide	BRL	5	<5	<5.0	NC	98.4						80 - 120	30
Reactivity Sulfide	BRL	20	<20	<20	NC	92.0						80 - 120	30
Comment:													
Additional: MS acceptance range is 75-125%.													
QA/QC Batch 797215 (umhos/cm), QC Sample No: CT91948 (CT92045, CT92046, CT92047)													
Conductivity - Soil Matrix	BRL	5	2450	2430	NC	106						75 - 125	30
Comment:													
Additional: LCS acceptance range is 85-115% MS acceptance range 75-125%.													
QA/QC Batch 796846 (PH), QC Sample No: CT92034 (CT92045, CT92046, CT92047)													
pH			9.06	9.04	0.20	100						85 - 115	20
Comment:													
Additional: LCS acceptance range is 85-115% MS acceptance range 75-125%.													
QA/QC Batch 796847 (mV), QC Sample No: CT92034 (CT92045, CT92046, CT92047)													
Redox Potential			187	174	NC							75 - 125	30
Comment:													
Additional: LCS acceptance range is 85-115% MS acceptance range 75-125%.													
QA/QC Batch 797202 (Degree F), QC Sample No: CT94069 (CT92045, CT92046, CT92047)													
Flash Point			>200	>200	NC	100						75 - 125	30
Comment:													
Additional: LCS acceptance range is 85-115% MS acceptance range 75-125%.													
QA/QC Batch 796934 (mg/L), QC Sample No: CT92988 (CT92045, CT92046, CT92047)													
Chromium, Hexavalent	BRL	0.01	<0.01	<0.01	NC	91.9			87.5			80 - 120	20
Comment:													
Additional Hexavalent Chromium criteria: MS acceptance range is 75-125%.													



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QA/QC Report

August 13, 2025

QA/QC Data

SDG I.D.: GCT92045

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 797584 (mg/Kg), QC Sample No: CT92045 (CT92045, CT92046, CT92047)										
<u>TPH by GC (Extractable Products) - Soil</u>										
Ext. Petroleum H.C. (C9-C36)	ND	50	106	108	1.9	82	77	6.3	50 - 150	30
% Terphenyl-d14	77	%	86	85	1.2	48	48	0.0	50 - 150	30 m
% Tricosane(C23)	81	%	86	85	1.2	60	58	3.4	50 - 150	30

Comment:

The ETPH/DRO LCS has been normalized based on the alkane calibration.

QA/QC Batch 797286 (ug/Kg), QC Sample No: CT92035 (CT92045, CT92046, CT92047)

Chlorinated Herbicides - Soil

2,4,5-T	ND	130	56	54	3.6	47	46	2.2	40 - 140	30
2,4,5-TP (Silvex)	ND	130	74	71	4.1	59	59	0.0	40 - 140	30
2,4-D	ND	250	65	62	4.7	55	53	3.7	40 - 140	30
2,4-DB	ND	2500	54	49	9.7	46	43	6.7	40 - 140	30
Dalapon	ND	130	53	61	14.0	46	47	2.2	40 - 140	30
Dicamba	ND	130	66	70	5.9	51	52	1.9	40 - 140	30
Dichloroprop	ND	130	71	69	2.9	60	57	5.1	40 - 140	30
Dinoseb	ND	130	62	66	6.3	47	44	6.6	40 - 140	30
MCPA	ND	38000	76	74	2.7	68	65	4.5	40 - 140	30
MCPP	ND	38000	78	76	2.6	88	72	20.0	40 - 140	30
% DCAA (Surrogate Rec)	108	%	93	89	4.4	83	76	8.8	30 - 150	30
% DCAA (Surrogate Rec) (Confirm)	85	%	73	70	4.2	69	62	10.7	30 - 150	30

Comment:

8151 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Batch 797033 (ug/Kg), QC Sample No: CT90449 (CT92045, CT92046, CT92047)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	33	96	80	18.2	81	84	3.6	40 - 140	30
PCB-1221	ND	33							40 - 140	30
PCB-1232	ND	33							40 - 140	30
PCB-1242	ND	33							40 - 140	30
PCB-1248	ND	33							40 - 140	30
PCB-1254	ND	33							40 - 140	30
PCB-1260	ND	33	102	80	24.2	75	79	5.2	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30
% DCBP (Surrogate Rec)	76	%	100	96	4.1	95	89	6.5	30 - 150	30
% DCBP (Surrogate Rec) (Confirm)	72	%	96	89	7.6	92	90	2.2	30 - 150	30
% TCMX (Surrogate Rec)	70	%	91	86	5.6	84	85	1.2	30 - 150	30
% TCMX (Surrogate Rec) (Confirm)	69	%	95	92	3.2	90	91	1.1	30 - 150	30

QA/QC Data

SDG I.D.: GCT92045

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 797034 (ug/Kg), QC Sample No: CT90449 (CT92045, CT92046, CT92047)										
Pesticides - Soil										
4,4' -DDD	ND	1.7	83	78	6.2	135	130	3.8	40 - 140	30
4,4' -DDE	ND	1.7	84	82	2.4	92	82	11.5	40 - 140	30
4,4' -DDT	ND	1.7	80	76	5.1	106	101	4.8	40 - 140	30
a-BHC	ND	1.0	82	81	1.2	124	115	7.5	40 - 140	30
Alachlor	ND	3.3	NA	NA	NC	NA	NA	NC	40 - 140	30
Aldrin	ND	1.0	83	82	1.2	87	79	9.6	40 - 140	30
b-BHC	ND	1.0	111	108	2.7	114	101	12.1	40 - 140	30
Chlordane	ND	33	76	73	4.0	86	74	15.0	40 - 140	30
d-BHC	ND	3.3	62	59	5.0	68	53	24.8	40 - 140	30
Dieldrin	ND	1.0	76	75	1.3	89	81	9.4	40 - 140	30
Endosulfan I	ND	3.3	87	86	1.2	82	69	17.2	40 - 140	30
Endosulfan II	ND	3.3	85	82	3.6	94	84	11.2	40 - 140	30
Endosulfan sulfate	ND	3.3	72	71	1.4	86	76	12.3	40 - 140	30
Endrin	ND	3.3	80	79	1.3	109	105	3.7	40 - 140	30
Endrin aldehyde	ND	3.3	76	72	5.4	79	47	50.8	40 - 140	30
Endrin ketone	ND	3.3	81	80	1.2	90	80	11.8	40 - 140	30
g-BHC	ND	1.0	90	87	3.4	96	86	11.0	40 - 140	30
Heptachlor	ND	3.3	84	83	1.2	95	88	7.7	40 - 140	30
Heptachlor epoxide	ND	3.3	87	86	1.2	100	88	12.8	40 - 140	30
Methoxychlor	ND	3.3	81	76	6.4	102	65	44.3	40 - 140	30
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	71	%	65	66	1.5	98	95	3.1	30 - 150	30
% DCBP (Confirmation)	44	%	44	43	2.3	56	53	5.5	30 - 150	30
% TCMX	85	%	84	83	1.2	85	75	12.5	30 - 150	30
% TCMX (Confirmation)	76	%	80	77	3.8	76	68	11.1	30 - 150	30

Comment:

8081 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Batch 797586 (ug/kg), QC Sample No: CT92041 (CT92045, CT92046, CT92047)

Semivolatiles - Soil

1,1-Biphenyl	ND	230	64	65	1.6	62	62	0.0	40 - 140	30
1,2,4,5-Tetrachlorobenzene	ND	230	62	64	3.2	59	56	5.2	40 - 140	30
1,2,4-Trichlorobenzene	ND	230	60	62	3.3	57	54	5.4	40 - 140	30
1,2-Dichlorobenzene	ND	180	55	57	3.6	50	54	7.7	40 - 140	30
1,2-Diphenylhydrazine	ND	230	69	68	1.5	64	65	1.6	40 - 140	30
1,3-Dichlorobenzene	ND	230	53	56	5.5	48	51	6.1	40 - 140	30
1,4-Dichlorobenzene	ND	230	52	55	5.6	47	51	8.2	40 - 140	30
2,2'-Oxybis(1-Chloropropane)	ND	230	44	46	4.4	41	43	4.8	40 - 140	30
2,4,5-Trichlorophenol	ND	230	78	77	1.3	71	74	4.1	30 - 130	30
2,4,6-Trichlorophenol	ND	130	81	81	0.0	76	77	1.3	30 - 130	30
2,4-Dichlorophenol	ND	130	76	78	2.6	76	69	9.7	30 - 130	30
2,4-Dimethylphenol	ND	230	73	76	4.0	64	58	9.8	30 - 130	30
2,4-Dinitrophenol	ND	230	80	79	1.3	57	50	13.1	30 - 130	30
2,4-Dinitrotoluene	ND	130	86	85	1.2	79	80	1.3	40 - 140	30
2,6-Dinitrotoluene	ND	130	82	81	1.2	78	77	1.3	40 - 140	30
2-Chloronaphthalene	ND	230	67	69	2.9	65	66	1.5	40 - 140	30
2-Chlorophenol	ND	230	67	72	7.2	64	65	1.6	30 - 130	30
2-Methylnaphthalene	ND	230	74	78	5.3	72	68	5.7	40 - 140	30
2-Methylphenol (o-cresol)	ND	230	62	65	4.7	56	56	0.0	30 - 130	30
2-Nitroaniline	ND	330	97	94	3.1	89	90	1.1	40 - 140	30

QA/QC Data

SDG I.D.: GCT92045

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2-Nitrophenol	ND	230	61	65	6.3	60	58	3.4	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	230	72	76	5.4	68	68	0.0	30 - 130	30	
3,3'-Dichlorobenzidine	ND	130	98	94	4.2	73	71	2.8	40 - 140	30	
3-Nitroaniline	ND	330	94	94	0.0	87	87	0.0	40 - 140	30	
4,6-Dinitro-2-methylphenol	ND	230	92	90	2.2	76	75	1.3	30 - 130	30	
4-Bromophenyl phenyl ether	ND	230	76	75	1.3	71	72	1.4	40 - 140	30	
4-Chloro-3-methylphenol	ND	230	81	81	0.0	77	72	6.7	30 - 130	30	
4-Chloroaniline	ND	230	72	74	2.7	65	59	9.7	40 - 140	30	
4-Chlorophenyl phenyl ether	ND	230	73	74	1.4	68	70	2.9	40 - 140	30	
4-Nitroaniline	ND	230	78	76	2.6	74	74	0.0	40 - 140	30	
4-Nitrophenol	ND	230	133	135	1.5	129	131	1.5	30 - 130	30	I,m
Acenaphthene	ND	230	68	69	1.5	64	66	3.1	40 - 140	30	
Acenaphthylene	ND	130	62	62	0.0	59	60	1.7	40 - 140	30	
Acetophenone	ND	230	61	65	6.3	58	60	3.4	40 - 140	30	
Aniline	ND	330	61	63	3.2	46	47	2.2	40 - 140	30	
Anthracene	ND	230	76	75	1.3	71	72	1.4	40 - 140	30	
Benz(a)anthracene	ND	230	77	75	2.6	69	70	1.4	40 - 140	30	
Benzidine	ND	330	88	88	0.0	22	20	9.5	40 - 140	30	m
Benzo(a)pyrene	ND	130	80	81	1.2	64	68	6.1	40 - 140	30	
Benzo(b)fluoranthene	ND	160	78	78	0.0	68	71	4.3	40 - 140	30	
Benzo(ghi)perylene	ND	230	75	72	4.1	52	58	10.9	40 - 140	30	
Benzo(k)fluoranthene	ND	230	75	76	1.3	71	71	0.0	40 - 140	30	
Benzoic Acid	ND	670	84	77	8.7	53	48	9.9	30 - 130	30	
Benzyl butyl phthalate	ND	230	82	82	0.0	77	78	1.3	40 - 140	30	
Bis(2-chloroethoxy)methane	ND	230	63	66	4.7	61	57	6.8	40 - 140	30	
Bis(2-chloroethyl)ether	ND	130	57	61	6.8	53	55	3.7	40 - 140	30	
Bis(2-ethylhexyl)phthalate	ND	230	82	82	0.0	75	78	3.9	40 - 140	30	
Carbazole	ND	230	80	78	2.5	75	75	0.0	40 - 140	30	
Chrysene	ND	230	78	77	1.3	67	69	2.9	40 - 140	30	
Dibenz(a,h)anthracene	ND	130	82	82	0.0	62	68	9.2	40 - 140	30	
Dibenzofuran	ND	230	71	72	1.4	67	68	1.5	40 - 140	30	
Diethyl phthalate	ND	230	76	75	1.3	72	72	0.0	40 - 140	30	
Dimethylphthalate	ND	230	75	73	2.7	70	70	0.0	40 - 140	30	
Di-n-butylphthalate	ND	670	81	80	1.2	76	77	1.3	40 - 140	30	
Di-n-octylphthalate	ND	230	84	88	4.7	82	86	4.8	40 - 140	30	
Fluoranthene	ND	230	79	78	1.3	72	75	4.1	40 - 140	30	
Fluorene	ND	230	74	74	0.0	70	71	1.4	40 - 140	30	
Hexachlorobenzene	ND	130	71	69	2.9	63	65	3.1	40 - 140	30	
Hexachlorobutadiene	ND	230	55	58	5.3	51	49	4.0	40 - 140	30	
Hexachlorocyclopentadiene	ND	230	49	49	0.0	36	32	11.8	40 - 140	30	m
Hexachloroethane	ND	130	53	57	7.3	49	51	4.0	40 - 140	30	
Indeno(1,2,3-cd)pyrene	ND	230	79	78	1.3	56	62	10.2	40 - 140	30	
Isophorone	ND	130	57	59	3.4	54	50	7.7	40 - 140	30	
Naphthalene	ND	230	59	62	5.0	57	54	5.4	40 - 140	30	
Nitrobenzene	ND	130	59	63	6.6	57	59	3.4	40 - 140	30	
N-Nitrosodimethylamine	ND	230	55	58	5.3	50	51	2.0	40 - 140	30	
N-Nitrosodi-n-propylamine	ND	130	62	66	6.3	59	62	5.0	40 - 140	30	
N-Nitrosodiphenylamine	ND	130	74	73	1.4	67	68	1.5	40 - 140	30	
Pentachloronitrobenzene	ND	230	76	74	2.7	69	71	2.9	40 - 140	30	
Pentachlorophenol	ND	230	91	89	2.2	81	83	2.4	30 - 130	30	
Phenanthrene	ND	130	75	73	2.7	69	71	2.9	40 - 140	30	
Phenol	ND	230	73	77	5.3	75	76	1.3	30 - 130	30	
Pyrene	ND	230	79	77	2.6	71	75	5.5	40 - 140	30	

QA/QC Data

SDG I.D.: GCT92045

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Pyridine	ND	230	44	46	4.4	39	38	2.6	40 - 140	30
% 2,4,6-Tribromophenol	80	%	84	84	0.0	81	80	1.2	30 - 130	30
% 2-Fluorobiphenyl	61	%	65	67	3.0	64	63	1.6	30 - 130	30
% 2-Fluorophenol	68	%	66	71	7.3	63	64	1.6	30 - 130	30
% Nitrobenzene-d5	59	%	61	64	4.8	58	60	3.4	30 - 130	30
% Phenol-d5	67	%	69	74	7.0	68	69	1.5	30 - 130	30
% Terphenyl-d14	75	%	80	78	2.5	73	78	6.6	30 - 130	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

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

QA/QC Batch 797175 (ug/L), QC Sample No: CT92862 (CT92045, CT92046, CT92047)

Semivolatiles by SIM, PAH - SPLP

2-Methylnaphthalene	ND	0.50	76	92	19.0				40 - 140	20
Acenaphthene	ND	0.50	76	75	1.3				40 - 140	20
Acenaphthylene	ND	0.10	70	63	10.5				40 - 140	20
Anthracene	ND	0.10	81	80	1.2				40 - 140	20
Benz(a)anthracene	ND	0.05	96	95	1.0				40 - 140	20
Benzo(a)pyrene	ND	0.20	82	79	3.7				40 - 140	20
Benzo(b)fluoranthene	ND	0.07	84	84	0.0				40 - 140	20
Benzo(ghi)perylene	ND	0.02	89	88	1.1				40 - 140	20
Benzo(k)fluoranthene	ND	0.10	86	84	2.4				40 - 140	20
Chrysene	ND	0.05	82	82	0.0				40 - 140	20
Dibenz(a,h)anthracene	ND	0.02	93	93	0.0				40 - 140	20
Fluoranthene	ND	0.50	85	85	0.0				40 - 140	20
Fluorene	ND	0.10	82	81	1.2				40 - 140	20
Indeno(1,2,3-cd)pyrene	ND	0.10	90	88	2.2				40 - 140	20
Naphthalene	ND	0.50	63	76	18.7				40 - 140	20
Phenanthrene	ND	0.06	78	78	0.0				40 - 140	20
Pyrene	ND	0.07	84	85	1.2				40 - 140	20
% 2-Fluorobiphenyl	75	%	74	73	1.4				30 - 130	20
% Nitrobenzene-d5	72	%	74	75	1.3				30 - 130	20
% Terphenyl-d14	79	%	78	77	1.3				30 - 130	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

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

QA/QC Batch 796958 (ug/kg), QC Sample No: CT91976 (CT92045, CT92046, CT92047)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	104	104	0.0	104	102	1.9	70 - 130	20
1,1,1-Trichloroethane	ND	5.0	109	110	0.9	116	110	5.3	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	3.0	98	94	4.2	93	91	2.2	70 - 130	20
1,1,2-Trichloroethane	ND	5.0	100	97	3.0	98	94	4.2	70 - 130	20
1,1-Dichloroethane	ND	5.0	103	102	1.0	105	99	5.9	70 - 130	20
1,1-Dichloroethene	ND	5.0	112	108	3.6	117	110	6.2	70 - 130	20
1,1-Dichloropropene	ND	5.0	105	103	1.9	111	104	6.5	70 - 130	20
1,2,3-Trichlorobenzene	ND	5.0	102	100	2.0	95	92	3.2	70 - 130	20
1,2,3-Trichloropropane	ND	5.0	109	103	5.7	112	109	2.7	70 - 130	20
1,2,4-Trichlorobenzene	ND	5.0	103	103	0.0	97	93	4.2	70 - 130	20
1,2,4-Trimethylbenzene	ND	1.0	101	100	1.0	106	103	2.9	70 - 130	20
1,2-Dibromo-3-chloropropane	ND	5.0	96	92	4.3	91	90	1.1	70 - 130	20

QA/QC Data

SDG I.D.: GCT92045

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2-Dibromoethane	ND	5.0	104	103	1.0	101	100	1.0	70 - 130	20
1,2-Dichlorobenzene	ND	5.0	103	101	2.0	101	99	2.0	70 - 130	20
1,2-Dichloroethane	ND	5.0	102	100	2.0	103	101	2.0	70 - 130	20
1,2-Dichloropropane	ND	5.0	95	95	0.0	93	93	0.0	70 - 130	20
1,3,5-Trimethylbenzene	ND	1.0	107	105	1.9	113	108	4.5	70 - 130	20
1,3-Dichlorobenzene	ND	5.0	103	101	2.0	101	99	2.0	70 - 130	20
1,3-Dichloropropane	ND	5.0	102	101	1.0	101	99	2.0	70 - 130	20
1,4-Dichlorobenzene	ND	5.0	103	103	0.0	103	99	4.0	70 - 130	20
1,4-dioxane	ND	100	103	94	9.1	92	94	2.2	40 - 160	20
2,2-Dichloropropane	ND	5.0	96	94	2.1	95	91	4.3	70 - 130	20
2-Chlorotoluene	ND	5.0	104	101	2.9	106	102	3.8	70 - 130	20
2-Hexanone	ND	25	84	81	3.6	82	78	5.0	40 - 160	20
2-Isopropyltoluene	ND	5.0	109	107	1.9	115	109	5.4	70 - 130	20
4-Chlorotoluene	ND	5.0	101	101	0.0	102	100	2.0	70 - 130	20
4-Methyl-2-pentanone	ND	25	86	84	2.4	85	83	2.4	40 - 160	20
Acetone	ND	10	101	100	1.0	107	99	7.8	40 - 160	20
Acrylonitrile	ND	5.0	89	88	1.1	84	80	4.9	70 - 130	20
Benzene	ND	1.0	93	91	2.2	94	91	3.2	70 - 130	20
Bromobenzene	ND	5.0	103	101	2.0	102	101	1.0	70 - 130	20
Bromochloromethane	ND	5.0	100	101	1.0	99	94	5.2	70 - 130	20
Bromodichloromethane	ND	5.0	101	103	2.0	101	102	1.0	70 - 130	20
Bromoform	ND	5.0	100	99	1.0	90	92	2.2	70 - 130	20
Bromomethane	ND	5.0	120	119	0.8	125	116	7.5	40 - 160	20
Carbon Disulfide	ND	5.0	111	110	0.9	112	105	6.5	70 - 130	20
Carbon tetrachloride	ND	5.0	126	107	16.3	108	102	5.7	70 - 130	20
Chlorobenzene	ND	5.0	106	104	1.9	107	103	3.8	70 - 130	20
Chloroethane	ND	5.0	117	115	1.7	122	114	6.8	70 - 130	20
Chloroform	ND	5.0	107	108	0.9	108	106	1.9	70 - 130	20
Chloromethane	ND	5.0	98	97	1.0	101	94	7.2	40 - 160	20
cis-1,2-Dichloroethene	ND	5.0	104	101	2.9	99	95	4.1	70 - 130	20
cis-1,3-Dichloropropene	ND	5.0	97	95	2.1	91	90	1.1	70 - 130	20
Dibromochloromethane	ND	3.0	108	108	0.0	103	103	0.0	70 - 130	20
Dibromomethane	ND	5.0	99	99	0.0	95	94	1.1	70 - 130	20
Dichlorodifluoromethane	ND	5.0	127	125	1.6	134	121	10.2	40 - 160	20
Diethyl ether	ND	5.0	102	101	1.0	100	99	1.0	70 - 130	20
Di-isopropyl ether	ND	5.0	103	103	0.0	102	99	3.0	70 - 130	20
Ethyl tert-butyl ether	ND	5.0	89	89	0.0	93	92	1.1	70 - 130	20
Ethylbenzene	ND	1.0	102	99	3.0	106	100	5.8	70 - 130	20
Hexachlorobutadiene	ND	5.0	117	111	5.3	114	109	4.5	70 - 130	20
Isopropylbenzene	ND	1.0	105	102	2.9	109	103	5.7	70 - 130	20
m&p-Xylene	ND	2.0	101	99	2.0	106	101	4.8	70 - 130	20
Methyl ethyl ketone	ND	5.0	85	83	2.4	80	78	2.5	40 - 160	20
Methyl t-butyl ether (MTBE)	ND	1.0	98	100	2.0	98	97	1.0	70 - 130	20
Methylene chloride	ND	5.0	105	104	1.0	103	99	4.0	70 - 130	20
Naphthalene	ND	5.0	102	100	2.0	95	92	3.2	70 - 130	20
n-Butylbenzene	ND	1.0	110	106	3.7	114	108	5.4	70 - 130	20
n-Propylbenzene	ND	1.0	105	102	2.9	109	105	3.7	70 - 130	20
o-Xylene	ND	2.0	99	97	2.0	102	98	4.0	70 - 130	20
p-Isopropyltoluene	ND	1.0	110	106	3.7	114	109	4.5	70 - 130	20
sec-Butylbenzene	ND	1.0	108	105	2.8	114	109	4.5	70 - 130	20
Styrene	ND	5.0	100	99	1.0	100	97	3.0	70 - 130	20
tert-amyl methyl ether	ND	5.0	88	87	1.1	87	86	1.2	70 - 130	20
tert-Butylbenzene	ND	1.0	108	105	2.8	114	109	4.5	70 - 130	20

QA/QC Data

SDG I.D.: GCT92045

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Tetrachloroethene	ND	5.0	101	100	1.0	106	101	4.8	70 - 130	20
Tetrahydrofuran (THF)	ND	5.0	89	88	1.1	86	82	4.8	70 - 130	20
Toluene	ND	1.0	95	93	2.1	99	93	6.3	70 - 130	20
trans-1,2-Dichloroethene	ND	5.0	113	112	0.9	115	108	6.3	70 - 130	20
trans-1,3-Dichloropropene	ND	5.0	97	96	1.0	91	91	0.0	70 - 130	20
trans-1,4-dichloro-2-butene	ND	5.0	85	84	1.2	76	75	1.3	70 - 130	20
Trichloroethene	ND	5.0	104	103	1.0	109	104	4.7	70 - 130	20
Trichlorofluoromethane	ND	5.0	125	123	1.6	137	124	10.0	70 - 130	20 m
Trichlorotrifluoroethane	ND	5.0	122	122	0.0	128	123	4.0	70 - 130	20
Vinyl chloride	ND	5.0	107	106	0.9	112	103	8.4	70 - 130	20
% 1,2-dichlorobenzene-d4	98	%	98	98	0.0	98	98	0.0	70 - 130	20
% Bromofluorobenzene	96	%	99	99	0.0	101	98	3.0	70 - 130	20
% Dibromofluoromethane	103	%	101	106	4.8	98	98	0.0	70 - 130	20
% Toluene-d8	97	%	99	99	0.0	99	99	0.0	70 - 130	20

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

The RPD criteria for the LCS/LCSD is 20%,

The MS/MSD RPD criteria is listed above.

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
- (ISO) - Isotope Dilution



Phyllis Shiller, Laboratory Director

August 13, 2025

Wednesday, August 13, 2025

Criteria: CT: GAM, GWP, RC; MA: CAM, S1, S1 Calc.

State: CT

Sample Criteria Exceedances Report

GCT92045 - HRP-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CT92045	\$8270-SMRMA	Dibenz(a,h)anthracene	MA / RCS-1 Calculated / RCS-1 Calculated	74	70	70	70	ug/Kg
CT92045	\$8270-SMRMA	Benzo(a)pyrene	MA / RCS-1 Calculated / RCS-1 Calculated	380	240	200	200	ug/Kg
CT92045	\$8270-SMRMA	Acenaphthylene	MA / RCS-1 Calculated / RCS-1 Calculated	210	100	100	100	ug/Kg
CT92045	CR-SM	Chromium	MA / RCS-1 Calculated / RCS-1 Calculated	19.9	0.36	10	10	mg/Kg
CT92046	CR-SM	Chromium	MA / RCS-1 Calculated / RCS-1 Calculated	20.0	0.38	10	10	mg/Kg
CT92047	CR-SM	Chromium	MA / RCS-1 Calculated / RCS-1 Calculated	18.3	0.36	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.

MassDEP Analytical Protocol Certification Form					
Laboratory Name: Phoenix Environmental Laboratories, Inc. Project #:					
Project Location: CTD5017.FW			RTN:		
This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)] CT92045, CT92046, CT92047					
Matrices: ☐ Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other:					
CAM Protocol (check all that apply below)					
8260 VOC CAM II A ☒	7470/7471 Hg CAM III B ☒	MassDEP VPH CAM IV A ☐	8081 Pesticides CAM V B ☒	7196 Hex Cr CAM VI B ☒	MassDEP APH CAM IX A ☐
8270 SVOC CAM II B ☒	7010 Metals CAM III C ☐	MassDEP EPH CAM IV B ☐	8151 Herbicides CAM V C ☒	8330 Explosives CAM VIII A ☐	TO-15 VOC CAM IX B ☐
6010 Metals CAM III A ☒	6020 Metals CAM III D ☐	8082 PCB CAM V A ☒	9012 Total Cyanide/PAC CAM V1 A ☐	6860 Perchlorate CAM VIII B ☐	
Affirmative responses to questions A through F are required for "Presumptive Certainty" status					
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature*) in the field or laboratory, and prepared/analyzed with method holding times? (* see narrative)			☒ Yes ☐ No	
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?			☒ Yes ☐ No	
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?			☒ Yes ☐ No	
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?			☒ Yes ☐ No	
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 methods only: Was the complete analyte list reported for each method?			☐ Yes ☐ No ☐ Yes ☐ No	
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?			☒ Yes ☐ No	
Responses to questions G, H and I below is required for "Presumptive Certainty" status					
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?			☒ Yes ☐ No	
Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056(2)(k) and WSC-07-350					
H	Were all QC performance standards specified in the CAM protocol(s) achieved? See Sections: ETPH, SVOA Narrations .			☐ Yes ☒ No	
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?			☒ Yes ☐ No	
<i>All negative responses must be addressed in an attached laboratory narrative.</i>					
I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.					
Authorized Signature: <u>Ethan Lee</u>		Date: Wednesday, August 13, 2025 Printed Name: Ethan Lee Position: Project Manager			



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



MCP Certification Report

August 13, 2025

SDG I.D.: GCT92045

Cyanide Narration

Were all QA/QC performance criteria specified in the MADEP document CAM achieved? Yes.

Instrument:

LACHAT 08/06/25-1

Nicholas Pappas, Greg Danielewski, Chemist 08/06/25

CT92045 , CT92046 , CT92047

The samples were distilled in accordance with the method.

The initial calibration met criteria.

The calibration check standards (ICV,CCV) met criteria.

The initial and continuing calibration blanks (ICB,CCB) met criteria.

The method blank, laboratory control sample (LCS), and matrix spike (MS) were distilled with the samples.

QC (Batch Specific):

Batch 796880 (CT92045)

CT92045, CT92046, CT92047

All LCS recoveries were within 80 - 120 with the following exceptions: None.

Additional: MS acceptance range is 75-125%.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

ETPH Narration

Were all QA/QC performance criteria specified in the MADEP document CAM achieved? No.

QC Batch 797584 (Samples: CT92045, CT92046, CT92047): -----

One or more surrogates is outside of criteria. (% Terphenyl-d14)

Instrument:

AU-XL2 08/11/25-1

Jeff Bucko, Chemist 08/11/25

CT92045 (1X), CT92046 (1X), CT92047 (1X)

The initial calibration (ET_0807I) 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 (811A005_1) and contained the following outliers: None.

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

QC (Batch Specific):

Batch 797584 (CT92045)

CT92045, CT92046, CT92047

All LCS recoveries were within 50 - 150 with the following exceptions: None.

All LCSD recoveries were within 50 - 150 with the following exceptions: None.

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

The ETPH/DRO LCS has been normalized based on the alkane calibration.



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MCP Certification Report

August 13, 2025

SDG I.D.: GCT92045

ETPH Narration

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Herbicide Narration

Were all QA/QC performance criteria specified in the MADEP document CAM achieved? Yes.

Instrument:

AU-ECD12 08/11/25-1 Jeff Bucko, Chemist 08/11/25

CT92045 (2X), CT92046 (2X), CT92047 (2X)

The initial calibration (HRB808AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (HRB808BI) 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 797286 (CT92035)

CT92045, CT92046, CT92047

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.

8151 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Soil Hex Chromium Narration

Were all QA/QC performance criteria specified in the MADEP document CAM achieved? Yes.

Instrument:

BECKMAN DU720 08/11/25-1 Nicholas Pappas, Chemist 08/11/25

CT92045 , CT92046 , CT92047

The initial calibration met criteria, the calibration $r^2 > 0.995$

Three LCS solutions were evaluated and reported:

The hexavalent Chromium LCS does not require digestion and is used as a continuing calibration standard.

The insoluble and soluble spikes (LCS) monitor the performance of the extraction.

The insoluble and soluble matrix spikes monitor the effect of matrix on the recoveries of hexavalent chromium.

Some matrix spike recoveries may be outside of the acceptance criteria of 75-125, however the corresponding LCSs are within control. No further action is required, but a sample matrix bias is suspected.

QC (Batch Specific):

Batch 797567 (CT92046)

CT92045, CT92046, CT92047



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MCP Certification Report

August 13, 2025

SDG I.D.: GCT92045

Soil Hex Chromium Narration

QC (Batch Specific):

Batch 797567 (CT92046)

CT92045, CT92046, CT92047

All LCS recoveries were within 80 - 120 with the following exceptions: None.
Additional Hexavalent Chromium criteria: MS acceptance range is 75-125%.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Mercury Narration

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

Instrument:

PSA 08/06/25 08:41

AJ Joslin, AJ Joslin, Zade-Anne Taylor, Chemist 08/06/25

CT92045, CT92046, CT92047

The initial calibration met criteria and the linear range is defined daily by the calibration range.
The Low-Level Calibration Verification (LLCV) met criteria.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Initial Calibration Blank (ICB) compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.
The following Continuing Calibration Blank (CCB) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 796874 (CT92045)

CT92045, CT92046, CT92047

All LCS recoveries were within 80 - 120 with the following exceptions: None.
Additional Mercury Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range is 75-125% for aqueous and 80-120% for soils.

Batch 796883 (CT92030)

CT92045, CT92046, CT92047

All LCS recoveries were within 75 - 125 with the following exceptions: None.
All LCSD recoveries were within 75 - 125 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Additional Mercury Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range is 75-125% for aqueous and 80-120% for soils.

ICP Metals Narration

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

Instrument:

ARCOS-3 08/06/25 10:58

Cindy Pearce, Chemist 08/06/25

CT92045, CT92046, CT92047



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Certification Report

August 13, 2025

SDG I.D.: GCT92045

ICP Metals Narration

Instrument:

ARCOS-3 08/06/25 10:58

Cindy Pearce, Chemist 08/06/25

CT92045, CT92046, CT92047

The initial calibration met criteria and the linear range is defined daily by the calibration range.
The Low-Level Calibration Verification (LLCV) met criteria.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Initial Calibration Blank (ICB) compounds did not meet criteria: None.
The following Spectral Interference Check compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.
The following Continuing Calibration Blank (CCB) compounds did not meet criteria: None.

ARCOS-4 08/06/25 10:09

Cindy Pearce, Chemist 08/06/25

CT92045, CT92046, CT92047

The initial calibration met criteria and the linear range is defined daily by the calibration range.
The Low-Level Calibration Verification (LLCV) met criteria.
The following Initial Calibration Verification (ICV) compounds did not meet criteria: None.
The following Initial Calibration Blank (ICB) compounds did not meet criteria: None.
The following Spectral Interference Check compounds did not meet criteria: None.
The following Continuing Calibration Verification (CCV) compounds did not meet criteria: None.
The following Continuing Calibration Blank (CCB) compounds did not meet criteria: None.

QC (Batch Specific):

Batch 796785 (CT92111)

CT92045, CT92046, CT92047

All LCS recoveries were within 75 - 125 with the following exceptions: None.
All LCSD recoveries were within 75 - 125 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range 75-125%.

Batch 796876 (CT91949)

CT92045, CT92046, CT92047

All LCS recoveries were within 80 - 120 with the following exceptions: None.
All LCSD recoveries were within 80 - 120 with the following exceptions: None.
All LCS/LCSD RPDs were less than 20% with the following exceptions: None.
Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range 75-125%.

Batch 796877 (CT92027)

CT92045, CT92046, CT92047

All LCS recoveries were within 80 - 120 with the following exceptions: None.
All LCSD recoveries were within 80 - 120 with the following exceptions: None.
All LCS/LCSD RPDs were less than 20% with the following exceptions: None.
Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range 75-125%.

PCB Narration



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MCP Certification Report

August 13, 2025

SDG I.D.: GCT92045

Were all QA/QC performance criteria specified in the MADEP document CAM achieved? Yes.

Instrument:

AU-ECD48 08/08/25-1

Saadia Chudary, Chemist 08/08/25

CT92045 (2X)

The initial calibration (PC0414AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0414BI) 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 20% except for the following compounds:

Samples: CT92045

Preceding CC 808B003 - None.

Succeeding CC 808B022 - PCB 1260 30%H (%)

AU-ECD5 08/08/25-1

Saadia Chudary, Chemist 08/08/25

CT92047 (2X)

The initial calibration (PC0728AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0728BI) 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 20% except for the following compounds: None.

AU-ECD7 08/07/25-1

Saadia Chudary, Chemist 08/07/25

CT92046 (2X)

The initial calibration (PC0613AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PC0613BI) 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 20% except for the following compounds:

Samples: CT92046

Preceding CC 807B029 - DCBP SURR -30%L (20%)

Succeeding CC 807B038 - None.

QC (Batch Specific):

Batch 797033 (CT90449)

CT92045, CT92046, CT92047

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.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

PEST Narration

Were all QA/QC performance criteria specified in the MADEP document CAM achieved? Yes.

Instrument:

AU-ECD33 08/07/25-1

Adam Werner, Chemist 08/07/25

CT92045 (2X), CT92046 (2X)

The initial calibration (PS0728AI) RSD for the compound list was less than 20% except for the following compounds: None.
The initial calibration (PS0728BI) 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.



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MCP Certification Report

August 13, 2025

SDG I.D.: GCT92045

PEST Narration

Instrument:

AU-ECD33 08/07/25-1 Adam Werner, Chemist 08/07/25

CT92045 (2X), CT92046 (2X)

The continuing calibration %D for the compound list was less than 20% except for the following compounds:

Samples: CT92045, CT92046

Preceding CC 807B028 - Endosulfan I 21%H (20%)

Succeeding CC 807B042 - Endosulfan I 25%H (20%)

AU-ECD4 08/07/25-1 Adam Werner, Chemist 08/07/25

CT92047 (2X)

The initial calibration (PS0804AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PS0804BI) 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 797034 (CT90449)

CT92045, CT92046, CT92047

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.

8081 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SVOA Narration

Were all QA/QC performance criteria specified in the MADEP document CAM achieved? No.

QC Batch 797586 (Samples: CT92045, CT92046, CT92047): -----

The QC recovery for one or more analytes is above the upper range but were not reported in the sample(s), therefore no significant bias is suspected. (4-Nitrophenol)

Instrument:

CHEM22 08/11/25-1 Matt Richard, Chemist 08/11/25

CT92045 (1X), CT92046 (1X)

Initial Calibration Evaluation (CHEM22/22_SVFULL_0806):

100% of target compounds met criteria.

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

The following compounds did not meet recommended response factors: 2-Nitrophenol 0.085 (0.1), Hexachlorobenzene 0.096 (0.1)



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MCP Certification Report

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SDG I.D.: GCT92045

SVOA Narration

Instrument:

CHEM22 08/11/25-1

Matt Richard, Chemist 08/11/25

CT92045 (1X), CT92046 (1X)

Continuing Calibration Verification (CHEM22/0811_03-22_SVFULL_0806) (MCP Compliance):

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: 2-Nitroaniline 30%L (20%)

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

The following compounds did not meet recommended response factors: 2-Nitrophenol 0.089 (0.1), Hexachlorobenzene 0.089 (0.1)

CHEM36 08/12/25-1

Matt Richard, Chemist 08/12/25

CT92047 (1X)

Initial Calibration Evaluation (CHEM36/36_SVFULL_0806A):

100% of target compounds met criteria.

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

The following compounds did not meet recommended response factors: 2-Nitrophenol 0.061 (0.1), Hexachlorobenzene 0.096 (0.1)

Continuing Calibration Verification (CHEM36/0812_03-36_SVFULL_0806A) (MCP Compliance):

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

97% of target compounds met criteria.

The following compounds did not meet % deviation criteria: % 2,4,6-Tribromophenol 30%H (20%), 2-Nitrophenol 26%H (20%), Di-n-octylphthalate 21%H (20%)

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

The following compounds did not meet recommended response factors: 2-Nitrophenol 0.077 (0.1)

QC (Batch Specific):

Batch 797586 (CT92041)

CT92045, CT92046, CT92047

All LCS recoveries were within 40 - 140 with the following exceptions: 4-Nitrophenol(133%)

All LCSD recoveries were within 40 - 140 with the following exceptions: 4-Nitrophenol(135%)

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

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

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

We attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SVOASIM Narration

Were all QA/QC performance criteria specified in the MADEP document CAM achieved? Yes.

Instrument:

CHEM27 08/08/25-1

Matt Richard, Chemist 08/08/25

CT92045 (1X), CT92046 (1X), CT92047 (1X)



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MCP Certification Report

August 13, 2025

SDG I.D.: GCT92045

SVOASIM Narration

Instrument:

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

Initial Calibration Evaluation (CHEM27/27_BNSIM18_0729):

100% of target compounds met criteria.

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

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

Continuing Calibration Verification (CHEM27/0808_07-27_BNSIM18_0729) (MCP Compliance):

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

100% of target compounds met criteria.

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

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

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

QC (Batch Specific):

Batch 797175 (CT92862)

CT92045, CT92046, CT92047

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

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

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

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

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

VOA Narration

Were all QA/QC performance criteria specified in the MADEP document CAM achieved? Yes.

Instrument:

CHEM31 08/05/25-1

Jane Li, Chemist 08/05/25

CT92045 (1X), CT92046 (1X), CT92047 (1X)

Initial Calibration Evaluation (CHEM31/VT-071625):

100% of target compounds met criteria.

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

The following compounds did not meet Table 4 recommended minimum response factors: 1,1,2-Trichloroethane 0.182 (0.2)

Continuing Calibration Verification (CHEM31/0805_05-VT-071625) (MCP Compliance):

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: 1,1,2-Trichloroethane 0.175 (0.2)



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MCP Certification Report

August 13, 2025

SDG I.D.: GCT92045

VOA Narration

QC (Batch Specific):

Batch 796958 (CT91976) CHEM31 8/5/2025-1

CT92045(1X), CT92046(1X), CT92047(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 20% 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%.

The RPD criteria for the LCS/LCSD is 20%,

The MS/MSD RPD criteria is listed above.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

