Central Vermont Regional Planning Commission

BROWNFIELDS COMMITTEE

Thursday, April 17, 2024, 10 – 10:30 am

Participation via Zoom[1]

https://us02web.zoom.us/j/88055614529?pwd=c2dVaTMvUnc0VU55bUd1TExTWjkzUT09

Dial in via phone: +1 929 436 2866 | Meeting ID: 880 5561 4529| Passcode: 215936

Download the app at least 5 minutes before the meeting starts: https://zoom.us/download.

Persons with disabilities who require assistance or alternate arrangements to participate are encouraged to contact Nancy Chartrand at 802-229-0389 or chartrand@cvregion.com at least 3 business days prior to the meeting for which services are requested.

Page #	AGENDA	
	10:00[2]	**Adjustments to the Agenda**
3	**10:05**	**Review and Approval of Draft Minutes from 12/19/24 Meeting** (Action - enclosed)[3]
	10:10	**Public Comment**
5	**10:15**	**Nominations of New Brownfield Advisory Committee Members –** (Actions - enclosed)[3] • Emmanuelle Soumeilhan, Capstone Community Action
	10:25	**Program Updates** Staff will provide updates on enrolled properties. a. 173 South Main Street, Barre City (Quality Inn) b. 53 Granite Street, Barre City (Old Dessureau Machines) c. 57 Freight Yard Way, Northfield d. 300-302 Granger Road, Berlin e. 203 Country Club Road, Montpelier f. 63 Sawmill Rd, Cabot g. Phase I FEMA Buyouts h. EPA Grant Applications
	10:30	Adjourn

[1] Dial-in telephone numbers are "Toll" numbers. Fees may be charged to the person calling in dependent on their phone service.

[2] All times are approximate unless otherwise advertised

[3] Anticipated action item.

CENTRAL VERMONT REGIONAL PLANNING COMMISSION
Brownfields Committee Meeting
MINUTES
December 19, 2024

Present:

x	Janet Shatney, Chair; Barre City Commissioner
x	Peter Carbee, Vice Chair, Washington Commissioner (Alternate Seat)
x	Alice Farrell, Barre Town Commissioner
x	Ron Krauth, Middlesex Commissioner
	Jenny Faillace, Warren Alternate Commissioner
x	Melissa Bounty, CVEDC (Central Vermont Economic Development Council)
x	Joan Marie Misek, Vermont Department of Health
	Liz Scharf, Capstone Community Action Council
x	Nicola Anderson, Downstreet Housing
	Vacant, (environment, finance, or real estate organization)
	Vacant, (environment, finance, or real estate organization)
	Vacant, (environment, finance, or real estate organization)

Staff: Eli Toohey

Call to Order: Chair Shatney called the meeting to order at 10:03 am. Quorum was present. J. Shatney informed all she would take the meeting minutes.

Adjustments to the Agenda: There were no adjustments to the agenda by either members or staff.

Meeting Minutes for November 21, 2024: P. Carbee moved to approve the meeting minutes from November 21, 2024 with edits, and seconded by J.M. Misek, ***motion carried***.

Public Comment: No members of the public were in attendance for any comment.

Funding Requests: E. Toohey informed all that there were several requests for funding for 2024, and there is slightly less money available than what the Committee will be able to authorize for spending.

- ***173 S Main Street, Barre (Quality Inn) for a Phase II BRELLA[1] Letter, and Phase II Supplemental Proposal and Cost Estimate:***

  The Quality Inn is being purchased by Downstreet Housing and Community Development; they already have completed both a Phase I and Phase II ESA[2], but need funding to support a supplemental Phase II plan. The work plan has been submitted and approved for 42 transitional units. They are BRELLA enrolled, and the action is for approving the additional Phase II

[1] BRELLA = Brownfields Reuse and Environmental Liability Limitation Act
[2] ESA = Environmental Site Assessment

funds. Motion by P. Carbee and seconded by J. Shatney to approve the use of Brownfields funding not to exceed $14,857.42 for the supplemental Phase II. Further discussion regarding the Phase II proposal and cost estimate ensued, and an amended motion was made by P. Carbee to include the approval of the work plan and cost estimate, again seconded by J. Shatney, ***motion carried***. ***Vote of the first motion also carried***.

- ***53 Granite Street, Barre (Dessureau Machine) for Phase I funding:***

E. Toohey gave background information on the project and that the City of Barre is seeking a Phase I as part of the FEMA[3] buyout process – site must be BRELLA enrolled and the funding sought is a not-to-exceed $5,000. Both J. Shatney and M. Bounty stated their closeness to the project, and volunteered for recusal if appropriate. P. Carbee stated he saw no reason, nor had a problem with either participating in the committee's voting, and A. Farrell stated that there was no appearance of a conflict of interest. Moving on, P. Carbee was concerned that the funding request be postponed until the Committee knew it was BRELLA enrolled, E. Toohey stated that it was acceptable to allow for funding at this time knowing that the City of Barre was in the process.

P. Carbee motioned to fund the Phase I and not-to-exceed $5,000 with the requirement that it be BRELLA enrolled and accepted with funds coming out of the FY22-23 leftover, J.M. Misek seconded, ***motion carried.***

At this point, E. Toohey noticed in the November minutes that the Committee was referred to as the Commission, and that she would revise the minutes noting this change.

- ***57 Freight Yard Way, Northfield for Phase I funding:***

E. Toohey noted that this project is similar to the Dessureau Machine project in that it she does not have a BRELLA letter in hand for this. They are looking for Phase I funding to turn the building into containing 8-10 housing units. Also noted that this would come out of the FY24 funds. P. Carbee motioned to fund the Phase I with funds not-to-exceed $2,750 contingent upon BRELLA enrollment and approval, seconded by A. Farrell, ***motion carried***.

- ***300-302 Granger Road, Berlin (CVSWMD[4]) for CAP[5] Planning:***

Background given by E. Toohey that this is to have a permanent hazardous waste center or Environmental Depot for the solid waste district, and they need funds for a CAP. There are vapor intrusion issues with sub-slab depressurization system needed. The quote by the environmental engineer was for $8,400. P. Carbee made the motion to fund the CAP planning with funds not-to-exceed $8,400, J. Shatney seconded. With discussion, P. Carbee noted he was at a solid waste district meeting and that the executive director mentioned funding everything needed to be done, and that the BRELLA program was out of funds, but the

[3] FEMA = Federal Emergency Management Agency
[4] CVSWMD = Central Vermont Solid Waste Management District
[5] CAP = Corrective Action Plan

VTDEC[6] will cover ongoing monitoring events. Both J. Shatney and E. Toohey stated they had not heard such a thing, and E. Toohey said that we could cover the assessment funds. Voting occurred, ***motion carried***.

Program Updates:

- ***203 Country Club Rd, Montpelier***

  The project has been contracted with Stone Environmental for a Phase II

- ***300-302 Granger Rd, Berlin***

  P. Carbee noted that the packet stated funding sought of $9,500 in one place, and $8,400 in another, and that the Committee had just authorized funding at $8,400.

- ***63 Sawmill Rd, Cabot***

  A Phase I was completed in August of 2024; that there will need to be a quitclaim deed to the Town of Cabot when the property transfer is done, but must be done within 6 months of the date of the report, which will be in February 2025 some time.

- ***Former Shatney's Garage, Woodbury***

  With a realtor reaching out, E. Toohey went documentation and information about the Brownfields Committee and what can be done. E. Toohey believes that the aboveground storage tanks were removed after the sale of the property, not sure if there any remaining or known underground storage tanks. P Carbee noted this business has been around a long time.

Adjourn: With no other items for the Committee, a motion was made by P. Carbee and seconded by R. Krauth to adjourn at 10:38 am, ***motion carried***.

[6] VTDEC means Vermont Department of Environmental Conservation

As the Food and Nutrition Program Coordinator at Capstone Community Action, Emmanuelle Soumeilhan has been leading the way to better nutrition and food handling. She successfully fed 1600 families last year with an average of 800 to 900 visits to Capstone's food shelf each month.

She is responsible for all facets of the food shelf program and provides administrative support to the kitchen operations at Capstone and has single-handedly turned the program around to serve more local vegetables and meats while keeping a large supply of commodities, and ready to eat food for those who are not able to cook.

At Capstone Community Action, she started a volunteer program in the food shelf and now has a portfolio of 30 rotating volunteers from all walks of life- including people with disabilities and people who are fulfilling community service work. Overall, volunteers contribute an average of 225 hours per month to the food shelf.

Emmanuelle earned a Bachelor of Science from UVM with a focus on Animal and Food Science. She uses her knowledge in science in all her life's endeavors including feeding her family, gardening, composting, observing nature and reading scientific articles. Emmanuelle is an animal lover with 3 cats and 2 dogs who keep her life interesting and dynamic. She is also a master gardener and used to co-manage the North Branch Nature Center Community Garden in Montpelier.

Emmanuelle is a people lover and advocates for her community regularly at the state level. Last winter she volunteered twice a week at the overnight emergency shelter in Montpelier's Unitarian Church.

She holds the strong belief that if we work together today, we can solve a multitude of problems, including that of housing shortages and food insecurity.

Central Vermont Regional Planning Commission

UPDATED MEMO

Date: April 9, 2024
To: Brownfields Advisory Committee
From: Eli Toohey, Planner and Brownfield Program Manager
Re: Brownfields Program

Program Update

CVRPC has received another round of funding from ACCD. The available amount is up to $99,000 for FY24.

- **Available Funding & Program Timeline**
  - Another $99,000 is available with a FY24 sub-grant agreement through Mount Ascutney Regional Commission (MARC), 9% can be for admin. Any additional funding over the $99K will depend on whether other RPCs are using, or have the need for their allocated funding within their subgrant performance period. CVRPC Executive Committee approved signing the FY24 sub-grant agreement during their 11/4/24 meeting.
  - Any unexpended or unencumbered as of June 30, 2025 will be returned to the State.
  - Any underage for FY23 can be applied for admin for those projects. We do not anticipate any underage.
  - Eligible use of funds:
    - to hire Qualified Environmental Professionals (QEPs). CVRPC will contract with QEPs to undertake assessment work, funds will not be granted to the property owner or prospective purchaser to undertake the work.
    - Cap of $50,000 can be used on one site for FY22 and FY23, FY24 does not have this cap per site
    - for administrative services performed by the RPC. The maximum allowable reimbursement for these administrative services is 9% of the award. This is down from 10% during the last round.

Funding Status - FY22 and FY23

Project Name	Date of DEC Approval	Project Type	Funded Project Activity	BRELLA Status	QEP Company	Project Status	QEP Contract Date	QEP Encumbered Amount (proposed/ contracted)
18 South Main Street, Barre City	4/8/2022	Commercial	Phase II	Enrolled	Stone	Contract Fully Disbursed	6/10/2022	$56,591

		Commercial	CAP	Enrolled	Stone	Contract Fully Disbursed	4/13/2023	$24,322
		Commercial	Phase I	Enrolled	Stone	Contract Fully Disbursed	09/05/23	$4,500
11 North Main Street, Northfield	1/9/2023	Residential	Phase II	Enrolled	Weston & Sampson	Contract Fully Disbursed	08/01/23	$44,238
63 Sawmill Road, Cabot	10/4/2024		Phase I	Enrolled	Waite-Heindel	Contract Completed, Fully Disbursed	05/07/24	$1,750
300-302 Granger Road, Berlin	5/8/2024	Commercial	Phase II	Enrolled	Weston & Sampson	Contract Completed, Fully Disbursed	7/31/24	$42,395
53 Granite Street	12/23/24	Commercial	Phase I	Enrolled	KAS	In Progress	3/17/25	$2,640
							Sub-Total	**$173,796**
		Admin Costs						$15,943
							Total	**$189,739**

Funding Status – FY24

Project Name	**Date of DEC Approval**	**Project Type**	**Funded Project Activity**	**BRELLA Status**	**QEP Company**	**Project Status**	**QEP Contract Date**	**QEP Encumbered Amount (proposed/ contracted)**
203 Country Club Rd, Montpelier VT	2022	Commercial to residential	Phase II	Enrolled	Stone	Final Reports Completed	11/18/24	$65,396
173 S. Main St. Barre City		Commercial to residential	Phase II Supplemental	Enrolled	Kas	Contract Funds Fully Disbursed	1/1/25	$14,857
300-302 Granger Road, Berlin		Commercial	CAP Planning	Enrolled	Weston & Sampson	Contract Funds Fully Disbursed	2/1/25	$8,400

							Sub-Total	**$ 88,653**
		Admin Costs (9%)						$7,979
							Total	**$96,632**

Sites Update

173 South Main Street, Barre VT (SMS Site #2024-5426)

The Quality Inn in Barre City has had a Phase I, Phase II and Phase II Supplemental have been completed. Contaminants were found during the Phase II (Phase I, Phase II - conducted in August-September 2024 are available upon request) that required a Supplemental Phase II EA. The project is BRELLA enrolled. The property is being purchased by Downstreet Housing and Community Development and is intended to be turned into 42 transitional units with 24/7 wraparound services. They had a cleanup funding gap of 133,640. State ACCD Brownfields program has funding available.

53 Granite Street, Barre VT (SMS Site #2024-5485)

The old Dessureau Machine shop location at 53 Granite Street in Barre City requires a Phase I as part of their FEMA buyout process. This property is intended to be returned to the flood plain in support of flood mitigation efforts. The site is BRELLA enrolled. Phase I is in process.

57 Freight Yard Way, Northfield VT (SMS Site #TBD)

This building is intended to be turned into 8-10 housing units. The building and parcel are not specifically listed as having contaminants, but it is within the Freight Yard Way section of Northfield where other remediation has been completed and contamination is suspected for this property. The site is currently applying for BRELLA. I haven't heard anything from them and have followed up via email and phone.

300-302 Granger Road (CVSWMD), Berlin, VT (SMS Site #2024-5431)

The future site of CVSWMD's Administrative Offices and Eco Depot (permanent hazardous waste disposal center). CVRPC Brownfields has funded a Phase II, Phase II Supplemental, and CAP Planning. They need Cleanup funding and I have directed them to DEC Brownfields and ACCD Brownfields for Cleanup funding. ACCD has said they have funds to do so.

203 Country Club Road (SMS Site # 2022-5116)

Stone Environmental did Phase II for 203 Country Club Road. Exceedances of heavy metals and other contaminants were found concentrated around the holes. A Phase II will likely be needed. The building was not tested and we suggested it be done. Phase II report can be found in meeting packet.

63 Sawmill Rd, Cabot (SMS Site #2018-4800)

Site underwent a Phase I in August 2024. They have completed the transfer to the town of Cabot. Friends of the Winooski are project managing next steps.

Brownfield Assessment Activities		
Acronym	Assessment Activity	Description

Phase I ESA*	Phase I Environmental Site Assessment	-Background information gathering and historical records review -Visual site inspections -Other requirements according to ASTM standards
Phase II ESA	Phase II Environmental Site Assessment	-Subsurface Soil Sampling -Groundwater Sampling -Ecological Assessment (if necessary) -Quality Assurance Project Plan (QAPP) required by EPA
Supplemental Phase II ESA	Supplemental Phase II Environmental Site Assessments	-Subsurface soil sampling and groundwater sampling to determine the extent of contamination found in the initial Phase II ESA
SSQAPP**	Site Specific Quality Assurance Project Plan	- a document that outlines the procedures that those who conduct a monitoring project will take to ensure that the data they collect and analyze meets project requirements. - invaluable planning and operating tool that outlines the project's methods of data collection, storage and analysis
HBM	Hazardous Building Materials Assessment	- Assessments for the hazardous materials that impact building use, renovation or demolition. - Determines if hazardous substances are present and in what quantities, and then develop options and costs for management or removal.
ECAA	Evaluation of Corrective Action Alternatives	- Evaluation of remediation options and associated costs, while balancing environmental protection and site redevelopment goals - Identification of redevelopment scenarios - Identification of remedial alternatives Engineering evaluation of remedial alternatives and selection of preferred alternative - Required by DEC to be included in all DEC approved Corrective Action Plans
CAP	Corrective Action Planning Activities	A plan detailing the specific remedial actions necessary to implement the preferred alternative selected in the ECAA process.
Notes: *Phase I ESAs for current owners of a property may be eligible projects. This would be reviewed by DEC on a project basis as this funding is not intended to benefit potentially liable parties. **This is State funding so SSQAPPs are not needed. However, the expense may be eligible if a SSQAPP is needed, such as if state funding is partnered with federal funding for the project. This can be determined on a project basis.		

Phase II Environmental Site Assessment: 203 Country Club Road

Montpelier, Vermont
SMS #2022-5116

March 19, 2025

PROJECT NO.

20221113

REVIEWED BY:

KJM 021925
LSC 022425

PREPARED FOR:

Josh Jerome / *Community & Economic Development Specialist*
City of Montpelier
39 Main Street
Montpelier / VT / 05602
jjerome@montpelier-vt.org

Eli Toohey / *Community Development Planner*
Central Vermont Regional Planning Commission
29 Main Street, Suite 4
Montpelier / VT / 05602
toohey@cvregion.com

SUBMITTED BY:

Laura Rajnak / *Project Scientist*
Stone Environmental, Inc.
535 Stone Cutters Way
Montpelier / VT / 05602
lrajnak@stone-env.com
228.731.1000

Acknowledgements

This project was undertaken by Stone Environmental, Inc. for the City of Montpelier with funding provided by the Central Vermont Regional Planning Commission through the Vermont Agency of Commerce and Community Development.

Title and Approval Page

Document Title
Phase II Environmental Site Assessment: 203 Country Club Road, Montpelier, Vermont, SMS #2022-5116

March 19, 2025

Document Prepared by:
Stone Environmental, Inc., 535 Stone Cutters Way, Montpelier, VT 05602 (802) 229-4541

Document Preparer Approvals:

Laura Rajnak, Project Scientist, Stone Environmental, Inc.

_____

Signature Date

Les Carver, PG, Senior Hydrogeologist, Stone Environmental, Inc.

I certify under penalty of perjury that I am an environmental professional and that all content contained within this deliverable is to the best of my knowledge true and correct.

_____

Signature Date

Executive Summary

This Phase II Environmental Site Assessment (ESA) has been prepared by Stone Environmental, Inc. (Stone) on behalf of the City of Montpelier (the City) for the property located at 203 Country Club Road in Montpelier, Vermont (the Site). The City, the current owner, plans to redevelop the Site to include mixed residential housing, recreational facilities, and a community garden. The Site is currently enrolled in the Vermont Department of Environmental Conservation (VT DEC) Brownfields Reuse and Environmental Liability Limitation (BRELLA) program.

The objective of the Phase II ESA is to evaluate whether recognized environmental conditions (RECs) identified during a Phase I ESA prepared by Stone and dated April 22, 2022, have resulted in a release(s) to the environment and to evaluate the degree, nature, and extent of Site contaminants of concern. RECs include:

- REC 1: Historical use of the Subject Property as a golf course with the application of herbicides and pesticides.
- REC 2: Presence of used fuel, gasoline, and diesel above ground storage tanks (ASTs) near the maintenance garage.

The Site is comprised of one, 133.6-acre parcel, zoned in the rural district of the City of Montpelier. The Site currently has a commercial building that is rented to several tenants including a wood working shop, a day care, and a social service not-for profit. The Site is abutted to the west by a vacant, 94-acre lot, known as Sabin's Pasture. Residential properties are to the north, and commercial properties to the east and southeast. The Site is bound by a railroad right of way to the south that is located between the Winooski River and Site.

The Site is improved with a 9-hole golf course formerly known as the Capital City Country Club that housed the Elks Lodge No. 924. The Site is improved by four buildings: an approximately 15,600-square foot former clubhouse built in 1962, a separate three bay garage (maintenance garage), and two small sheds and a Conex box used for storage. Two paved parking lots are located to the west and south of the former clubhouse. Paved cart paths improve the golf course area.

In April 2024, soil sampling was conducted by Montpelier Parks and Trees for the purpose of locating a space for a community garden. Arsenic (19-120 milligrams per kilogram [mg/kg]) and mercury (5.6-15 mg/kg) were both detected at concentrations above the Vermont Non-Urban Background (arsenic: 16 mg/kg) and Resident and Non-Resident Soil Standard (VSS) (mercury: 3.1 mg/kg) in soil at two composited sample locations. VT DEC provided the City with a Site Status Letter, dated June 17, 2024, requesting additional assessment to define the degree and extent of contamination at the Site.

Phase II ESA fieldwork was carried out between November 19 and December 4, 2024. Fieldwork consisted of a soil assessment focused on the golf course, maintenance garage, and area adjacent to the railway (surface soil sampling using incremental sampling methodology (ISM) and

advancement of 12 soil borings), a sediment assessment of the on-Site pond and perennial streams, and groundwater impact assessment using the Vermont Soil-Water Partition Calculator to determine whether groundwater requires further investigation.

Based on the findings of the Phase II ESA, Stone makes the following conclusions:

- Soil within the golf course greens contain arsenic, lead, and mercury above regulatory standards to a depth of 2 feet bgs due to historic pesticide and fertilizer application.
- Surface soil within the golf course greens contain the degradation product of the insecticide heptachlor, heptachlor epoxide, above the EPA resident RSL from historic pesticide application.
- Soil surrounding the maintenance garage contains PAHs, expressed as B(a)P-TEQ, above the resident VSS to a depth of 2 feet bgs, likely due to leaks or spills of petroleum products from the used fuel, gasoline, and diesel ASTs or maintenance machinery, or fill material.
- Sediment in the pond and perennial streams on-Site has not been impacted by metals or pesticides above Vermont SQGs except for mercury at location SD-2. SD-2 is located downgradient of golf course greens with the highest mercury concentrations.

Based on these conclusions and the data collected, Stone makes the following recommendations:

- Perform a Supplemental Site Investigation (SSI) to evaluate whether groundwater has been impacted by metals and pesticides. Perform further site assessment of sediment due to mercury detections including evaluating the spatial and horizontal distribution of the data and potential biological receptors.
- Due to the proximity of the community garden to where there are detections of heavy metals in surface soil, additional soil assessment should be performed to determine if there is an exposure risk to Site users.
- Complete a building material survey (e.g. asbestos, lead), a polychlorinated biphenyl (PCBs) building material inventory, and a visual inspection for mold to address the business environmental risk (BER) identified in the Phase I ESA and to proactively meet the requirements of the National Environmental Review Policy Act (NEPA) in anticipation of federal redevelopment funding.

Once SSI activities are complete, development of either an evaluation of corrective action alternatives (ECCA) and corrective action plan (CAP) or Soil Management Plan (SMP) will be required to mitigate direct contact risks to surface and subsurface soil. Whether an ECAA and CAP or SMP is required will depend on whether further contamination is identified in the SSI, for example if groundwater is contaminated above the VGES and migrating off-site an ECAA will be required.

Phase II Environmental Site Assessment: 203 Country Club Road, Montpelier, Vermont, SMS #2022-5116

Cover Photo: Former Site golf course. Photo taken by Stone Environmental, Inc., 3/31/22.

Contents

Acknowledgements **2**
Title and Approval Page **3**
Executive Summary **4**
1. Introduction **8**
1.1. Site Description 8
1.2. Site Contact Information 9
1.3. Redevelopment Plan 9
1.4. Historical Site Land Use 9
1.5. Historical Uses of Adjoining Properties 9
1.6. Previous Site Investigations 10
1.6.1. Phase I Environmental Site Assessment, Stone Environmental, April 2022 10
1.6.2. Montpelier Parks and Trees, April 2024 10
2. Methods **12**
2.1. Work Plan Deviations 12
2.2. Surface Soil Assessment 13
2.2.1. Railway Investigation Area 14
2.2.2. X-Ray Fluorescence Soil Assessment 14
2.3. Subsurface Soil Assessment 15
2.3.1. Maintenance Garage 15
2.3.2. Hole 10 Green 15
2.3.3. Golf Course Decision Units 16
2.4. Sediment Quality Assessment 16
2.5. Groundwater Impact Assessment 16
2.6. Investigation Derived Waste 17
3. Evaluation of Investigation Results **18**
3.1. Relevant Regulatory Criteria 18
3.2. Surface Soil Assessment 18
3.3. Subsurface Soil Assessment 20
3.4. Sediment Quality Assessment 21
3.5. Groundwater Impact Assessment 21
4. Quality Assurance and Quality Control **23**
4.1. Laboratory Narrative 23
4.2. Field Duplicate 24
4.3. Trip Blank 25
5. Conceptual Site Model **26**
5.1. Topography 26

5.2. Geology and Hydrogeology 26
5.2.1. Surficial Deposits 26
5.2.2. Bedrock 26
5.2.3. Hydrogeology 27
5.3. Release Mechanisms and Contaminant Distribution 27
5.3.1. Metals 27
5.3.2. Pesticides 27
5.3.3. Semi-Volatile Organic Compounds (SVOCs) and Polycyclic Aromatic Hydrocarbons (PAHs) 28
5.3.4. Volatile Organic Compounds (VOCs) 28
5.4. Sensitive Receptor Evaluation 29
5.5. Nearby Receptors 29
5.5.1. Drinking Water Supplies 30
5.5.2. Surface Water and Groundwater Source Protection Areas 30
5.5.3. Wetlands 30
5.5.4. Sensitive Ecological Areas and Rare, Threatened, or Endangered Species 30
6. Conclusions and Recommendations 31
7. References 32
Appendix A: Figures 33
Appendix B: Field Notes & Boring Logs 34
Appendix C: Analytical Data Tables 35
Appendix D: Calculators and Guidance Documents 36
Appendix E: Lab Reports 37

Table of Figures

Figure 1: Location Map 33
Figure 2: Vicinity Map 33
Figure 3: Site Map 33
Figure 4a: Arsenic Concentrations in Surface Soil 33
Figure 4b: Lead Concentrations in Surface Soil 33
Figure 4c: Mercury Concentrations in Surface Soil 33
Figure 4d: B(a)P-TEQ Concentrations in Surface and Subsurface Soil 33
Figure 4e: Heptachlor Epoxide Concentrations in Surface Soil 33
Figure 5a: Arsenic Concentrations in Subsurface Soil 33
Figure 5b: Lead Concentrations in Subsurface Soil 33
Figure 5c: Mercury Concentrations in Subsurface Soil 33
Figure 6: Mercury Concentrations in Sediment 33

Table of Tables

Table 1: Current Site Owner 9
Table 2: Summary of Surface Soil Sampling and Analysis 14
Table 3: Summary of Subsurface Soil Samples and Laboratory Analysis 15
Table 4: Toxicity Equivalency Factors Used for Normalizing Carcinogenic PAHs to Benzo(a)pyrene 19
Table 5: Sensitive Receptors Evaluation 29
Table 6: Drinking Water Supplies within ¼-mile of the Site 30
Table 7: Sensitive Ecological Areas 30

1. Introduction

This Phase II Environmental Site Assessment (ESA) has been prepared by Stone Environmental, Inc. (Stone) on behalf of the City of Montpelier (the City) for the 133.6-acre property located at 203 Country Club Road, Montpelier, Vermont (the Site). The Site, a former nine-hole golf course, was enrolled in the Vermont Department of Environmental Conservation (VT DEC) Brownfields Reuse and Environmental Liability Limitation (BRELLA) program on July 8, 2022, and was subsequently assigned Sites Management Section (SMS) #2022-5116 by the VT DEC. The City's redevelopment plan includes mixed residential housing, recreational facilities, and a community garden.

The objective of the Phase II ESA is to evaluate whether recognized environmental conditions (RECs) identified during a Phase I ESA prepared by Stone and dated April 22, 2022, have resulted in a release(s) to the environment and to evaluate the degree, nature, and extent of Site contaminants of concern. RECs include:

- REC 1: Historical use of the Subject Property as a golf course with the application of herbicides and pesticides.
- REC 2: Presence of used fuel, gasoline, and diesel above ground storage tanks (ASTs) near the maintenance garage.

In preparing a plot of the Site for a community garden, the City self-performed soil quality sampling in targeted areas of the former golf course and subsequent analysis of the samples for metals. The samples were found to contain mercury and arsenic at concentrations that exceed the Vermont Soil Standard (VSS) for residential and non-residential properties. Results were reported to the VT DEC who then requested further assessment of soil to determine the degree and extent of contamination at the Site via their letter to the City, dated June 17, 2024.

This Phase II ESA was prepared in accordance with the work plan titled *203 Country Club Road, Phase II Environmental Site Assessment Work Plan* and dated November 15, 2024, and the VT DEC Investigation and Remediation of Contaminated Properties Rule (IRule).

1.1. Site Description

The Site is located at approximately 44.246095° north latitude and 72.544466° west longitude at an elevation of approximately 641 feet above sea level in Montpelier, Washington County, Vermont (Figure 1, Appendix A). The Site is comprised of one 133.6-acre parcel located at 203 Country Club Road, as depicted on Figure 2, Vicinity Map in Appendix A.

The Site is accessed from Country Club Road to the south. It was developed as a 9-hole golf course formerly known as the Capital City Country Club that housed Elks Lodge No. 924. The Site is improved by four buildings: an approximately 15,600-square foot former clubhouse built in 1962 with a connected pro shop located east of the main building, a separate three bay garage (maintenance garage), and two small sheds and a Conex box used for storage. The former

clubhouse and pro shop are rented to several tenants including a wood working shop, a day care, and a social service not-for profit. Two paved parking lots are located to the west and south of the former clubhouse. Paved cart paths improve the golf course area. Hole 10 of the former golf course is used as a tree nursey and Hole 2 is used as a community garden.

Terrain at the Site slopes from north to south, steeply in some areas, and is marked by a series of drainage swales and a perennial stream in the western portion of the Site. A manmade pond (former water hazard) resides in the southeastern portion of the former golf course.

The former golf course encompasses approximately 44 acres, while the driveway, parking lots, and former clubhouse total approximately 3 acres. The balance of the 133.6-acre parcel, primarily to the west and southwest, is comprised of undeveloped forest.

1.2. Site Contact Information

Contact information for the Site owner is in Table 1, below:

Table 1: Current Site Owner

Name	Description/ Relationship to Site	Contact Information
City of Montpelier	Owner Representative	Josh Jerome / Community & Economic Development Specialist City of Montpelier 39 Main Street Montpelier, VT jjerome@montpelier-vt.org

1.3. Redevelopment Plan

Currently, redevelopment plans are under development. The City plans to provide a mix of housing products with affordable, workforce, and market-rate units. Additionally, plans include a comprehensive recreation and community facility, as well as fields, courts, and community gardens.

1.4. Historical Site Land Use

The Site was used for recreational purposes from approximately 1902 to 1950 under ownership of Montpelier Country Club. Capital Country Club purchased the Site in 1950 and sold the property to Montpelier Lodge No. 924 within the same year. From 1950 to 2016, Montpelier Lodge No. 924 operated the Site as a golf course and subsequently sold it to the immediate prior owner, Citi Properties, LLC. The City purchased the Site in 2022.

1.5. Historical Uses of Adjoining Properties

Adjoining properties to the west and north have served rural residential use. A railroad right of way is located immediately south of the Site along the western segment of the southern parcel boundary. According to historical documentation reviewed for the Phase I ESA, the railroad was in use by 1873, deconstructed prior to 1966, and was redeveloped in 2020 to re-route trains away from two aging bridges between Montpelier and Barre. The central segment of the southern parcel boundary is bordered by the Siboinebi Bike Path, north of the railroad, which opened in 2019. A small section of the southern parcel boundary between the segments that border the railroad right

of way and bike path abuts a separate City of Montpelier parcel that formerly included a residential structure and is now vacant.

The property south of the former country club building, 55 Country Club Road, is a commercial property currently owned by Boardwalk, LLC and is operated by United Ag and Turf, an agricultural and lawn care equipment supplier, since 2008. The property was undeveloped prior to 2008 under ownership of Montpelier Lodge No. 924.

To the west of the 55 Country Club Road parcel and south of the Site parking lot is an undeveloped, 7.6-acre lot owned by Blueberry Associates, LLC. The Siboinebi Path traverses the southern end of this parcel. The history of this parcel is unknown, but based on the steep terrain, it is believed to have not been developed for commercial or industrial purposes.

The 96.4-acre property to the east of the Subject Property is currently owned by Malone Gallison Hill Road Properties, LLC, located at 122 Gallison Hill Road. The parcel includes a commercial park and is home to a cold storage facility built in 1970, a tire shop, and a creamery distribution center. The portion of the 122 Gallison Hill Road parcel set back from the road and adjacent to the Site, however, is undeveloped woodlands.

1.6. Previous Site Investigations

A summary of previous studies relevant to the Site is provided below. Historical sampling locations are shown on Figure 3 in Appendix A.

1.6.1. Phase I Environmental Site Assessment, Stone Environmental, April 2022

Stone conducted a Phase I ESA in March and April 2022. The assessment revealed the following Recognized Environmental Conditions (RECs) in connection with the Site:

- REC 1: Historical use of the Subject Property as a golf course with the application of herbicides and pesticides.
- REC 2: Presence of used fuel, gasoline, and diesel ASTs near the maintenance garage.

The assessment revealed the following Business Environmental Risks (BERs)[1] in connection with the Site:

- BER #1: The Subject Property building was constructed prior to 1980.

1.6.2. Montpelier Parks and Trees, April 2024

Soil sampling was conducted by Montpelier Parks and Trees for the purpose of locating a space for a community garden. Arsenic (19-120 milligrams per kilogram [mg/kg]) and mercury (5.6-15 mg/kg) were detected at concentrations above the Vermont Non-Urban Background (arsenic: 16

[1] Business Environmental Risks (BER) — a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of commercial real estate, not necessarily related to those environmental issues required to be investigated in this practice.

mg/kg) and Resident and Non-Resident Soil Standard (VSS) (mercury: 3.1 mg/kg), in soils at two composite sample locations. The findings of the soil assessment were provided to VT DEC on May 24, 2024. Subsequently, VT DEC provided the City with a Site Status Letter, dated June 17, 2024, requesting additional assessment to define the degree and extent of contamination at the Site.

2. Methods

Phase II ESA fieldwork was performed by Stone between November 19 and December 4, 2024. Investigation locations are shown on Figure 3 in Appendix A. Field notes and boring logs are provided as Appendix B.

2.1. Work Plan Deviations

The following work plan deviations occurred during the implementation of the Phase II ESA fieldwork:

- Samples collected from DU-R1 were collected as three grab samples instead of using incremental sampling methodology (ISM) sampling due to steep, overgrown terrain with brush and downed trees.
- Two to three additional replicates were collected during ISM sampling and archived in case the coefficient of variation between the replicates, used to calculate the 95% upper confidence limit (UCL), was significant. Two of the additional replicates (DU-M1-D and DU-M1-E) were submitted for laboratory analysis.
- The XRF analyzer was used to screen surface soils on the greens, tees, and fairways for lead in addition to arsenic and mercury in all decision units except half of DU-G1 (DU-G1-A1 through -A14).
- Sediment parent sample, SD-5, broke in transit to the laboratory and was recollected two weeks after the field duplicate, SD-5-FD. The parent and duplicate samples are therefore two unique samples that could not be used to calculate relative percent difference for quality assurance/quality control. No pesticides were detected in sediment above laboratory reporting limits. Metals were detected in sediment, but at concentrations below Vermont Sediment Quality Guidelines (SQG). Sediment data is therefore still considered usable.
- A subsurface soil assessment was not conducted at all locations within the former golf course DUs having concentrations of metals in exceedance of Vermont regulatory standards. Five locations with the highest concentrations of metals were selected as representative of the nature and distribution of contamination at the Site. Three additional greens and three tees had metal detections that exceeded Vermont regulatory criteria, albeit at lower concentrations, and subsurface soil was not sampled.
- The four subsurface soil samples submitted for physical properties and synthetic precipitation leaching procedure (SPLP) analysis to inform site-specific risk to groundwater were not analyzed for SPLP pesticides.

These deviations do not impact Stone's ability to evaluate if the potential releases identified at the Site constitute an actual release to the environment or pose a threat to sensitive receptors.

2.2. Surface Soil Assessment

On November 19 through 26, 2024, Stone conducted incremental sampling methodology (ISM) sampling, biased towards areas with higher levels of suspected contamination (greens, tees, fairways, and maintenance garage). Given the size of the recreational area, it was divided into three sections and each assigned Decision Units (DU). The maintenance garage was also assigned to a DU. Each DU consisted of 30 subsample areas, known as increments. Five to six replicate samples (A, B, C, D, E, and F) were collected from each increment and composited with the corresponding replicate from all other increments within a DU. Table 2 presents a summary of the surface soil sampling design and the replicates used for laboratory analysis. Replicates D and E were archived in case the coefficient of variation between the replicates used to calculate the 95% upper confidence limit (UCL), was significant and required additional sample analysis.

ISM sampling was conducted using hand tooling with sampling depths within the upper 6 to 10-inches of soil. Soil samples were placed in labeled Ziploc polyethylene bags from each ISM DU increment and labeled according to the replicate. All "A" increments were retained for individual XRF analysis. Grass, detritus, and gravel-size soil were removed from each sample prior to placing it in the polyethylene bag and homogenizing. Hand tooling was decontaminated between sample locations using an Alconox and water scrub followed by a clean deionized water rinse.

Greens, tees, and fairways were each assigned to three DUs and sampled to determine the impacts of each chemical application practice (Figure 3). Dividing each DU to focus on greens, tees, and fairways reduces the heterogeneity throughout the Site to delineate the presumed turf grass management practices and historical pesticide use. DU composite samples were submitted to Eurofins Environment Testing (Eurofins) of North Kingstown, Rhode Island for the following analyses:

- Priority Pollutant (PP) Metals and barium by EPA Method 6010/7471
- Pesticides by EPA Method 8081

A DU was investigated surrounding the maintenance garage (DU-M1; Figure 3). DU-M1 assessed REC2 from the Phase I ESA: the presence of used fuel, gasoline, and diesel ASTs near the maintenance garage. The yard surrounding the maintenance garage was also a likely location for mixing and loading pesticide applicators. All "A" increments were retained for individual XRF analysis and screened for volatile organic compounds (VOCs) using a photoionization detector (PID). As VOCs were not detected above 0.90 parts-per-million (ppm) by volume, a discrete sample was not collected for VOC laboratory analysis by EPA Method 8260. DU samples surrounding the ASTs and maintenance garage were submitted to Eurofins for the following analyses:

- PP Metals and barium by EPA Methods 6010/7471
- Pesticides by EPA Method 8081
- PAHs by EPA Method 8270

Replicates D and E were submitted for analysis for Lead by EPA Methods 6010 because the coefficient of variation between the replicates was significant and required additional sample analysis.

Table 2: Summary of Surface Soil Sampling and Analysis

Sample ID	Area	Replicates	Analysis
DU-G1	Greens – Hole 4, 5, 6, 7	A, B, C	XRF Metals PP Metals + Barium by EPA Methods 6010/7471 Pesticides by EPA Method 8081
DU-G2	Greens – Hole 2, 3, 10	A, B, C	
DU-G3	Greens – Hole 1, 8, 9, Practice	A, B, C	
DU-F1	Fairway – Hole 4, 5, 6, 7	A, B, C	
DU-F2	Fairway – Hole 2, 3, Community Garden Beds	A, B, C	
DU-F3	Fairways – Hole 1, 8, 9	A, B, C	
DU-T1	Tees – Hole 4, 5, 6, 7	A, B, C	
DU-T2	Tees - Hole 2, 3, 10	A, B, C	
DU-T3	Tees – Hole 1, 8, 9	A, B, C	
DU-M1	Maintenance Area	A, B, C	XRF Metals PP Metals + Barium by EPA Methods 6010/7471 Pesticides by EPA Method 8081 PAHs by EPA Method 8270
DU-M1	Maintenance Area	D, E	Lead by EPA Methods 6010
R1	Railway	Not Applicable (Discrete)	XRF Metals PP Metals + Barium by EPA Methods 6010/7471 Pesticides by EPA Method 8081 PAHs EPA Method 8270

2.2.1. Railway Investigation Area

Three discrete surface soil samples were collected from R1 to evaluate surface soil quality impacts from past railway operations (Figure 3). Discrete samples (R1-1, R1-2, and R1-3) were submitted to Eurofins for the following analyses (Table 2):

- PP Metals and barium by EPA Methods 6010/7471
- Pesticides by EPA Method 8081
- PAHs by EPA Method 8270

2.2.2. X-Ray Fluorescence Soil Assessment

A Thermo Scientific XL5 Plus XRF analyzer was utilized to assess mercury, arsenic, and lead in surface soils within DUs. Soil samples for XRF metals analysis were collected, prepared, and analyzed in accordance with *SOP-5.108 Determination of Metals in Soil Samples Using Field Portable X-Ray Fluorescence Spectrum Analyzers, SW846 Method 6200*. Samples for XRF analysis (i.e., replicate "A" samples) were transported to Stone's warehouse and laboratory facility in Montpelier, Vermont. Following the sample preparation procedure described in *SOP-5.108*, soil was placed back into polyethylene bags and the XRF analyzer was placed flush against the polyethylene bag to collect a reading. A minimum of three readings were taken at each sample location to calculate average metal values. XRF values were compared to VSS to evaluate whether additional metals delineation was warranted.

2.3. Subsurface Soil Assessment

Subsurface soil samples were collected on December 3 and 4, 2024 from the maintenance garage, Hole 10 green, and at selected locations within the golf course DUs to assess subsurface soils. A summary of subsurface soil samples and laboratory analysis is provided in Table 3, below.

Table 3: Summary of Subsurface Soil Samples and Laboratory Analysis

Area	Number of Locations	Target Depth	Number of Samples per Location	Analysis
Maintenance Garage - AST	3	4	2	PP Metals + Barium by EPA Methods 6010/7471 Pesticides by EPA Method 8081 PAHs by EPA Method 8270 VOCs by EPA Method 8260
Hole 10 Green	1	4	4 (1 Analyzed)	PP Metals + Barium by EPA Methods 6010/7471 Pesticides by EPA Method 8081
Golf Course Decision Units	8	4	2	PP Metals + Barium by EPA Methods 6010/7471 Pesticides by EPA Method 8081

2.3.1. Maintenance Garage

To assess subsurface soil surrounding the used fuel, gasoline, and diesel ASTs near the maintenance garage, Stone advanced three soil borings surrounding the ASTs and garage area (SB-2 through -4). Soil borings were performed using a hand-driven Geoprobe LB soil coring tool to a depth of four feet below ground surface (bgs). Soil cores were retrieved within disposable acetate sleeves and logged for texture, color, moisture content, and presence of visible or olfactory indications of a release. Soils were screened from each 1-foot vertical interval for VOCs using a PID. Two discrete soil samples were collected from each soil boring based on the PID readings. As contamination was not evident based on PID field screening results and visual/olfactory observations, discrete samples were collected at depths of 2 and 4 feet below ground surface (bgs). Soil samples were collected in accordance with Stone's SOPs and transported under chain of custody to Eurofins for the following analyses:

- PP Metals and barium by EPA Methods 6010/7471
- Pesticides by EPA Method 8081
- PAHs by EPA Method 8270
- VOCs by EPA Method 8260

2.3.2. Hole 10 Green

To assess the vertical extent of mercury and arsenic contamination identified to exceed the VSS during sampling and analysis performed by Montpelier Parks and Trees, Stone advanced one soil boring to a depth of four feet bgs (SB-1) using a hand-driven Geoprobe LB soil coring tool. Soil cores were retrieved within disposable acetate sleeves and logged for texture, color, and moisture content. Samples were collected at one-foot intervals and submitted for the following analyses:

- PP Metals and barium by EPA Methods 6010/7471
- Pesticides by EPA Method 8081

The two-, three- and four-foot intervals were held at the laboratory pending the results of the 1.0 depth sample. Based on lack of exceedances of regulatory standards at a depth of 1.0 foot, the deeper intervals were not analyzed.

2.3.3. Golf Course Decision Units

Upon completion of surface soil sampling via ISM, Stone evaluated field screening results by the XRF and selected locations for subsurface assessment. Five locations were selected from DUs within the former golf course greens that had the highest concentrations of metals, exceeding Vermont regulatory standards. These locations were considered representative of the nature and distribution of metal contamination at the Site. Within each location, one to two soil borings were advanced for a total of eight additional borings (SB-5 through -12, Figure 3).

Subsurface soil was assessed by collecting soil borings using a hand-driven Geoprobe LB soil coring tool to four feet bgs. Soil cores were retrieved within disposable acetate sleeves and logged for texture, color, and moisture content. Two samples were collected per location at 2 and 4 feet bgs, and submitted for the following analyses:

- PP Metals and barium by EPA Methods 6010/7471
- Pesticides by EPA Method 8081

2.4. Sediment Quality Assessment

To evaluate sediment in surface water and drainage features at the Site affected by runoff from areas of past applications of pesticides, Stone collected grab samples of sediment at five locations (SD-1 through -5) on November 19, November 20, and December 3, 2024. Sediment samples were collected using hand tools from areas of accumulating sediment in the streams that traverse the former golf course and within the pond. Samples were submitted for the following analyses:

- PP Metals and barium by EPA Methods 6010/7471
- Pesticides by EPA Method 8081

2.5. Groundwater Impact Assessment

Seventeen soil samples collected during the subsurface soil assessment were archived at Stone's warehouse in Montpelier, Vermont for the groundwater impact assessment. After evaluating surface and subsurface soil contaminant concentrations, risk to groundwater was assessed. Stone selected four subsurface soil samples (SB-5-4.0, SB-9-4.0, SB-10-4.0, and SB-11-4.0) and submitted the samples for the following parameters to inform site-specific risk to groundwater:

- Porosity
- Specific Gravity by EPA Method D854
- Density by EPA Method D2937
- Fractional Organic Carbon by EPA Method D2974
- SPLP for PP Metals and barium by EPA Methods 6010/7471

Stone used the results of laboratory analysis in the Vermont Soil-Water Partition Calculator (Calculator) to evaluate the need to assess groundwater through further investigation (e.g., monitoring wells). The Calculator is an analytical one-dimensional model that uses the soil-water partition equation to back-calculate soil contaminant concentrations from groundwater

concentrations meeting the Vermont Groundwater Enforcement Standard (VGES). The soil-water partition equation has several limitations since it assumes an infinite source of contamination extending in the vadose zone in a column between the top of the contaminated soil and the water table. It is therefore considered to be protective of groundwater and will likely predict lower concentrations of contaminants in soil that will cause the concentrations of contamination in groundwater to exceed enforcement standards than what will truly affect groundwater. As stated above, this exercise was therefore performed for this project as a screening tool to determine whether further investigation is warranted. A more detailed explanation of the soil-water partition equation and the Calculator can be found within an abridged version of the guidance document in Appendix D.

2.6. Investigation Derived Waste

Investigation derived waste (IDW) produced during this Phase II ESA included excess soil, decontamination materials, and consumables including personal protective equipment. Surface soil was thin spread, and subsurface soil was used to backfill the boreholes from the areas in which they were generated as no gross contamination was encountered. Decontamination rinsate was discharged to the ground surface at the Site. Consumables were disposed of as solid waste.

3. Evaluation of Investigation Results

XRF and analytical results are summarized in Appendix C. Calculations of the weighted 95% UCL for DUs and the Vermont Soil-Water Partition Calculator are included as Appendix D. Full analytical laboratory reports are provided as Appendix E. Below is a list of tables provided in Appendix C:

- Table C-1: Arsenic, Mercury, and Lead Concentrations in Surface Soil by XRF
- Table C-2: Metal Concentrations in Soil
- Table C-3: Pesticide Concentrations in Soil
- Table C-4: Polycyclic Aromatic Hydrocarbon Concentrations in Soil
- Table C-5: Volatile Organic Compound Concentrations in Soil
- Table C-6: Metal Concentrations in Sediment
- Table C-7: Pesticide Concentrations in Sediment
- Table C-8: Soil Physical Properties
- Table C-9: Metal Concentrations Leached from Soil - SPLP

3.1. Relevant Regulatory Criteria

The following regulatory criteria are applicable to the Phase II ESA:

- Soils:
  - VT DEC Soil Standards (VSS) for resident and non-resident properties are included in Appendix A §35-APX-1 of the VT DEC IRule, effective February 23, 2024.
  - November 2024 EPA Regional Screening Levels (RSLs) for residential and industrial soils.
- Sediment:
  - VT DEC Recommended Sediment Quality Guidelines (SQGs) for Protection of Aquatic Biota in Freshwater Ecosystems, Threshold Effect Concentration (TEC) and Probable Effects Concentration (PEC) are included in Appendix A §35-APX-4 of the VT DEC IRule, effective February 23, 2024.

3.2. Surface Soil Assessment

Surface soils within the golf course and surrounding the maintenance garage consisted of silt to fine to medium sand with smaller amounts of loam, clay, and fine gravel. PID readings, collected surrounding the maintenance garage for the “A” replicate field increments, ranged from 0 to 0.9 ppm.

Metals were detected above both the XRF analyzer and laboratory detection limits in surface soils from the greens, tees, and fairways, surrounding the maintenance garage, and adjacent to the railway. XRF field screening indicated that exceedances of the Vermont Non-Urban Background Level for arsenic (16 mg/kg) and lead (41 mg/kg), and the resident and non-resident VSS for mercury (both 3.1 mg/kg) are concentrated largely within the golf course greens, with a few

arsenic and lead exceedances located within the tees, and a few lead exceedances at the maintenance garage (Figures 4a, 4b, and 4c, Appendix A).

Laboratory analytical results showed that the Vermont Non-Urban Background Level was exceeded in seven of nine DU replicates for arsenic and eight of nine DU replicates for lead collected from the greens with exceedances ranging from 18 to 73 mg/kg and 52 to 240 mg/kg, respectively. Replicate DU-G3-A also exceeded the EPA residential RSL for lead. Mercury concentrations exceeded the resident and non-resident VSS in eight of nine replicates collected from greens with exceedances ranging from 4.2 to 7.1 mg/kg. Only green replicate DU-G1-B did not contain exceedances of metals. Surface soil collected from the tees, fairways, and surrounding the maintenance garage did not contain metals above regulatory criteria in samples submitted to the laboratory.

For ISM samples, Stone calculated the 95% UCL of the arithmetic mean for each contaminant of concern that was near or exceeded respective regulatory standards using the Interstate Technology Regulatory Council (ITRC) ISM Calculator (v 3.0, August 2020). The 95% UCL is the value which the actual mean concentration of the compound in the DU will fall below 95% of the time. The 95% upper confidence limit (UCL) was calculated for arsenic, lead, and mercury in DUs in accordance with ISM procedures. The 95% UCL exceeded the Non-Urban Background Level for arsenic and lead, and the resident and non-resident VSS for mercury in the following DUs:

- DU-G1:
  - Arsenic: 67 mg/kg
  - Lead: 182 mg/kg
  - Mercury: 9.3 mg/kg
- DU-G2:
  - Arsenic: 49 mg/kg
  - Lead: 121 mg/kg
  - Mercury: 9.8 mg/kg
- DU-G3:
  - Arsenic: 112 mg/kg
  - Lead: 374 mg/kg
  - Mercury: 6.5 mg/kg
- DU-M1:
  - Lead: 45 mg/kg

Numerous PAHs were detected above laboratory report limits, but below regulatory standards in surface soil surrounding the maintenance garage and in two of the three samples collected adjacent to the railway. Benzo(a)pyrene toxicity equivalence (B(a)P-TEQ) concentrations were calculated for the seven carcinogenic PAHs according to US EPA RSL User's Guide:

"*Toxicity equivalency factor (TEF) can be used to convert concentrations of carcinogenic PAHs to an equivalent concentration of benzo(a)pyrene when assessing the cancer risks posed by these substances from oral exposures. These TEFs are based on the potency of each compound relative to that of benzo(a)pyrene.*"

Table 4: Toxicity Equivalency Factors Used for Normalizing Carcinogenic PAHs to Benzo(a)pyrene

Compound	Toxicity Equivalency Factor
Benzo(a)pyrene	1.0
Benz(a)anthracene	0.1
Benzo(b)fluoranthene	0.1
Benzo(k)fluoranthene	0.01

Compound	Toxicity Equivalency Factor
Chrysene	0.001
Dibenz(a,h)anthracene	1.0
Indeno(1,2,3-c,d)pyrene	0.1

B(a)P-TEQ concentrations exceeded the resident VSS of 0.07 mg/kg in the three replicates (DU-M1-A, DU-M1-B, DU-M1-C) collected surrounding the maintenance garage with concentrations of 0.076 mg/kg, 0.095 mg/kg, and 0.083 mg/kg, respectively (Figure 4d). The 95% upper confidence limit (UCL) for the three replicates was 0.10 mg/kg, also exceeding the resident VSS. B(a)P-TEQ concentrations adjacent to the railway did not exceed the resident VSS.

Several pesticides were detected above laboratory reporting limits within the golf course, surrounding the maintenance garage, and in one of the discrete soil samples collected adjacent to the railway. Pesticide detections included 4,4'-DDT, cis-chlordane, dieldrin, endosulfan sulfate, endrin aldehyde, heptachlor, heptachlor epoxide, and trans-chlordane. Within the golf course greens (DU-G1-A, DU-G1-C, DU-G3-A through -C), heptachlor epoxide was detected above the EPA resident RSL of 0.07 mg/kg with concentrations ranging from 0.070 to 0.15 mg/kg. The 95% UCL exceeded the EPA resident RSL in DU-G1 and -G3. No other pesticides exceeded regulatory standards.

3.3. Subsurface Soil Assessment

Subsurface soil consisted of up to 0.5 feet of loam or sandy loam, underlain by fine or fine to medium sand with trace amounts of cobbles, gravel, silt, clay, or loam to the end of exploration at 4 feet bgs. A 0.75 to 2-foot section of clay was encountered in SB-1, -11, and -12. Fill soil was encountered in many of the borings.

PID screening of soil cores measured 0.057 to 1.351 ppm. No evidence of contamination was observed.

Numerous metals were detected in subsurface soil. The Vermont Non-Urban Background Level was exceeded for lead in sample SB-8-2.0 (51 mg/kg) and for arsenic in SB-12-2.0 (42 mg/kg). Mercury exceeded the resident and non-resident VSS in SB-8-2.0 (6.9 mg/kg) and SB-9-2.0 (5.2 mg/kg). These three samples were collected at 2 feet bgs within the golf course greens. No other exceedances of metals were detected in subsurface soil. The archived subsurface soil samples collected at SB-1 for Hole 10 (two-, three- and four-foot intervals) were not submitted analysis based on lack of exceedances of regulatory standards at a depth of 1.0 foot. Metal concentrations in subsurface soil are shown on Figures 5a-5c.

Several pesticides were detected below regulatory standards up to 4 feet bgs in subsurface soil on the golf course greens. Compounds detected above laboratory reporting limits included 4,4'-DDT, aldrin, cis-chlordane, endosulfan II, heptachlor epoxide, and trans-chlordane. Cis-chlordane and trans-chlordane were also detected in subsurface soil in the sample collected closest to the maintenance garage at 2 feet bgs (SB-4-2.0). No other pesticides were detected above laboratory reporting limits in subsurface soil samples. The archived subsurface soil samples collected at SB-1

for Hole 10 (two-, three- and four-foot intervals) were not submitted analysis based on lack of exceedances of regulatory standards at a depth of 1.0 foot

Numerous PAHs were detected above laboratory reporting limits in four of the six subsurface soil samples collected surrounding the maintenance garage. B(a)P-TEQ met the resident VSS of 0.07 mg/kg in sample SB-4-2.0. No other PAHs met/exceeded regulatory standards in subsurface soil surrounding the garage.

Bromomethane and carbon disulfide were detected above laboratory reporting limits in three subsurface soil samples collected surrounding the maintenance garage. Carbon disulfide was also detected in the method blank (Section 4.1). No VOCs were detected above regulatory standards in subsurface soil.

3.4. Sediment Quality Assessment

Numerous metals were detected above laboratory reporting limits, but below SQGs in the five sediment samples except for mercury at location SD-2, where mercury concentrations were detected at 0.36 mg/kg and the SQG for Threshold Effect Concentration (TEC) is 0.18 mg/kg (Figure 6, Appendix A). Pesticides were not detected above laboratory reporting limits.

3.5. Groundwater Impact Assessment

Soil physical properties testing indicate that soils have a high organic carbon content, high porosity, and a high void ratio. Soil physical properties are provided in Table C-8 in Appendix C.

The Vermont Soil-Water Partition Calculator was used to predict contaminant concentrations in soil, herein referred to as predicted soil cleanup levels, that could cause groundwater contaminant concentrations to meet or exceed the VGES. Calculations were performed for compounds in soil where laboratory analytical results demonstrate an exceedance of regulatory standards: arsenic, lead, mercury, and heptachlor epoxide. Although B(a)P-TEQ in soil exceeded the resident VSS, there is no VGES for B(a)P-TEQ. Furthermore, chemical parameters do not exist for B(a)P-TEQ as it is a calculation of toxicity equivalence for seven PAHs.

Input parameters for the Calculator are shown in Appendix D. Default parameters were used for chemical properties and hydrogeologic properties as they either corresponded well with observed site conditions or are unknown. Default parameters were used for soil properties, which corresponded with data obtained from analytical testing, except for fraction organic carbon, f_{oc}, which was specified as the lowest value obtained from testing, or 0.5. The lowest value was used as a conservative estimate due to the large range in variability between sample results.

Results from the Calculator predict that the following contaminant concentrations in soil would be required to leach contaminants to groundwater in exceedance of the VGES:

- Arsenic: 5.02 mg/kg
- Lead: 3.04 mg/kg
- Mercury: 2.08 mg/kg
- Heptachlor epoxide: 14.45 mg/kg

Compared to analytical soil data, surface soil from numerous DUs and subsurface soil collected at 2 and 4 feet bgs exceed these predicted soil cleanup levels for arsenic, lead, and mercury. Heptachlor epoxide was not detected in soil at concentrations at or above 14.45 mg/kg.

SPLP testing of four subsurface soil samples, collected at 4 feet bgs, for PP metals and barium showed that soil leachate exceeded the VGES for lead in one sample (51 µg/L) and thallium in two samples (5.5 and 7.7 µg/L). Arsenic and mercury, as well as various other metals, were also detected above laboratory reporting limits but below the VGES in samples. Based on predicted soil cleanup levels and SPLP testing, further investigation of groundwater, specifically for metals, is warranted on-Site.

4. Quality Assurance and Quality Control

4.1. Laboratory Narrative

Quality assurance and quality control (QA/QC) procedures included review of laboratory reports (Appendix D) and collection of field QC samples including field duplicates. Several quality assurance deficiencies were noted in the laboratory report narratives. The deficiencies that may impact data usability are summarized below:

- The relative percent difference (RPD) between the primary and confirmation column/detector is >40% for 4,4'-DDT, aldrin, cis-chlordane, endosulfan II, endrin aldehyde, heptachlor, heptachlor epoxide, and trans-chlordane. The lower value has been reported.
- The method blank for preparation and analytical batches contained benzo[a]pyrene, barium, 4,4'-DDT, carbon disulfide above the method detection limit. These target analyte concentrations were less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.
  - Data was qualified with a B qualifier for sample results where concentrations were less than 5 x the concentration of the detection in the method blank. The B qualifier indicates the compound was found in the blank and the sample.
- 4,4'-DDT was detected in method blank and the following samples: SB-1-1.0, SB-6-2.0, SB-11-2.0, and SB-12-2.0. 4,4'-DDT was only detected in the method blank on one column but not confirmed on the second column during the analysis. If either of the peaks are less than the reporting limit, the lower value is reported, thus the non-detect value was reported for the method blank. The B flag in this instance was disregarded for samples SB-1-1.0, SB-6-2.0, SB-11-2.0, and SB-12-2.0.
- The matrix spike (MS) and/or matrix spike duplicate (MSD) recovery exceeded control limits for antimony, barium, chromium, lead, nickel, and zinc in sample SB-6-2.0. Sample matrix interference and/or non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. Likewise, the MS/MSD RPD exceeded control limits for metals in sample SB-6-2.0.
- The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for a preparation batch and analytical batch recovered outside control limits with a low bias for methoxychlor and endrin aldehyde. The affected target analytes recovered within acceptance limits on the confirmation column, demonstrating the analytical system had sufficient sensitivity to detect the compounds had they been present. Since the affected target compounds were not detected in the samples, the data have been reported and qualified.
- The density results for the following samples do not represent the in-place density of the soil: SB-5-4.0, SB-9-4.0, SB-10-4.0 and SB-11-4.0. The soils were received in a disturbed

state and were subsequently molded in the laboratory to an approximation of the field environment.

- The following compounds, listed by matrix type were non-detect to a reporting limit (RL) or method detection limit (MDL) above the standard listed.
  - Soil: Thallium RLs exceeded the residential VSS at all soil locations. Anthropogenic sources of thallium are typically related to the manufacturing of specialized electronic research equipment, which has not been conducted at the Site; therefore, thallium is not considered a contaminant of concern.
  - Soil: Delta-BHC RLs exceed the residential EPA RSL at most soil locations. Delta-BHC is an organochlorine insecticide, and a contaminant of concern based on other organochlorine insecticides detected in the soil at the Site. However, the MDL for delta-BHC is below the residential EPA RSL and delta-BHC was not detected at the MDL.
  - Soil: 1,2,3-Trichloropropane, 1,2-dibromo-3-chloropropane (DBCP), and trans-1,4-dichloro-2-butene RLs were above residential VSS or EPA RSLs, however, these compounds are not considered contaminants of concern and/or will not be drivers of investigation and remedial actions at the Site.
  - Soil: 1,2-dibromomethane (EDB) RLs were above residential VSS at all soil locations. This pesticide may be a contaminant of concern however, the MDLs were below the SQG and these compounds were not detected at the MDL.
  - Sediment: Dieldrin, endrin, and heptachlor epoxide RLs were above SQG TEC at all sediment locations. These pesticides were detected in soil at the Site and are contaminants of concern; however, the MDLs for dieldrin, endrin, and heptachlor epoxide were below the SQG and these compounds were not detected at the MDL.

4.2. Field Duplicate

Field duplicate samples were collected for subsurface soil and sediment at a 1/20 (5%) frequency for each analysis and media during the Phase II ESA fieldwork. As noted in Section 2.1, the parent sample for sediment broke in transit to the laboratory and was recollected two weeks later; the parent and duplicate samples are therefore considered two unique samples and were not used to assess data precision. Field duplicates were not collected for ISM samples as data precision is inherent in ISM.

To assess precision of the analytical results, RPD values were calculated for the primary-duplicate sample pair in the soil matrix using the following formula:

$$RPD = \frac{|C_1 - C_2|}{\frac{C_1 + C_2}{2}} \, x \, 100$$

Where: C1 = Concentration of a given target analyte in the Primary Sample, and
C2 = Concentration of a given target analyte in the Field Duplicate sample

RPDs either could not be calculated since analytes were not detected above laboratory reporting limits or were within the EPA acceptance criteria (50% for non-aqueous media), with the following exceptions:

- The RPD for arsenic and mercury in soil sample SB-5-4.0 was 69% and 75%, respectively.

- The RPD for cis-chlordane, heptachlor epoxide, and trans-chlordane in soil sample SB-5-4.0 was 99%, 102%, and 82%, respectively.

Elevated RPDs do not impact data usability for this Phase II ESA. The higher of the two results are used for decision making purposes.

4.3. Trip Blank

A trip blank was included in the sample shipment submitted to the laboratory for VOC analysis of soil. Carbon disulfide was detected at an estimated concentration between the RL and MDL in the trip blank. As mentioned above, carbon disulfide was also detected in the method blank. In soil samples, carbon disulfide was detected in a few samples at estimated concentrations, well below the resident VSS. Data for this compound is therefore still considered usable.

5. Conceptual Site Model

The following Conceptual Site Model (CSM) provides a set of working hypotheses that describe key aspects of the Site. The CSM includes a discussion of the physical, geologic, and hydraulic attributes of the Site and surrounding area, how chemicals were released at the Site, their transport pathways, fate mechanisms, and potential routes of exposure to ecological and human receptors. The CSM provides the context from which the site investigation is developed and a framework to make sound Site management decisions.

5.1. Topography

The Site is situated approximately 641 feet above mean sea level. Topography at the Site is generally sloping downward to the south from approximately 804 feet to 555 feet above mean sea level towards the Winooski River. Terrain at the Site is marked by a series of drainage swales and perennial stream channels in the western portion of the Site. A manmade pond (former water hazard) resides in the southeastern portion of the former golf course.

5.2. Geology and Hydrogeology

5.2.1. Surficial Deposits

According to the Vermont Agency of Natural Resources (ANR) Natural Resources Atlas, surficial geology in the southeastern area of the Site is a glaciolacustrine deposit described as silt, silty clay, and clay lake bottom sediments. The western portion of the Site is mapped as having significant bedrock exposure with little or no cover that shows the thinness of the drift, or where the drift has been removed by erosion. Glacier deposits, mapped in the northern portion of the Site, are described as till mantling the bedrock and reflecting the topography of the underlying bedrock surface, thicker in the valleys and thinner in the uplands.

Surficial deposits observed to 4 feet bgs during this Phase II ESA consisted of loam or sandy loam, underlain by fine or fine to medium sand with trace amounts of cobbles, gravel, silt, clay, or loam, although deposits may be representative of fill.

5.2.2. Bedrock

Bedrock outcrops were observed at the Site during Stone's Phase I ESA inspection on March 31, 2022. According to the Bedrock Geologic Map of Vermont (Ratcliffe, et al., 2011), bedrock beneath the Subject Property is mapped as the Waits River Formation. The Waits River Formation is described as a carbonaceous phyllite and limestone, dark gray to silvery gray, lustrous muscovite-biotite-quartz phyllite containing abundant beds of micaceous quartz-rich limestone in beds ranging from 10 centimeters to 10 meters thick.

Bedrock was not encountered during advancement of soil borings to 4 feet bgs during this Phase II ESA.

5.2.3. Hydrogeology

The Site is in the upper Winooski River watershed. The closest surface water bodies include a small pond and multiple perennial unnamed streams on the Site. Surface water flows to the southwest and discharges into the Winooski River.

Depth to groundwater is unknown but the direction of groundwater flow is presumed to be to the southwest toward the Winooski River. Groundwater was not encountered during advancement of soil borings to 4 feet bgs during this Phase II ESA.

5.3. Release Mechanisms and Contaminant Distribution

Potential release mechanisms for the Site contaminants of concern include the application of pesticides and accidental releases of used fuels near the maintenance garage. The specific contaminants of concern detected at the Site (metals, pesticides, SVOCs, VOCs) and release mechanisms are described in the sections below.

5.3.1. Metals

Arsenic, lead, and mercury are present in soil on-Site at concentrations exceeding regulatory criteria. Elevated concentrations are largely confined to golf course greens with lead impacts also present surrounding the maintenance garage. Metals impacts have been delineated vertically to between 2 and 4 feet bgs. Heavy metals are often found at golf courses, primarily due to the use of certain pesticides, fertilizers, and fungicides. Given the operational history of the Site, pesticides were likely stored and mixed at the garage area.

Select heavy metals, including arsenic, lead, and mercury, have been identified as carcinogenic and/or mutagenic compounds. It should be noted that arsenic is commonly present in Vermont soils due to natural occurrence through the natural decomposition of bedrock containing minerals rich in arsenic. Heavy metals typically bind to soil and sediment; however, they can leach into groundwater particularly in lower pH conditions. Based on the Vermont Soil-Water Partition Calculator, there is a risk of metals including arsenic, lead and mercury leaching into groundwater.

In surface water, metals can be transported with sediment. At the Site, accumulating sediment within the pond and perennial streams contains metals, but at concentrations below SQGs except for mercury at location SD-2. SD-2 is located downgradient of Hole 1 and 2 where the highest concentrations of mercury were detected on the golf course greens.

5.3.2. Pesticides

Pesticides are used on golf courses to control turf grass diseases, broadleaf weeds, and insects. Over the years of turf management at the Site, the types of pesticides have varied due to the regulation of products by the USEPA, increased efficacy and safety, and cost. The classes of pesticides used at golf courses have varying persistence in the environment due to each compound's unique chemical and physical properties (e.g., high K_{OC} compounds will bind to soil, highly soluble compounds will leach) and the physical and biological properties of the soil (e.g., pH related stability of compound, rate of metabolism). A Vermont Golf Course Pesticide Use Permit, for a different Vermont golf course, demonstrated pesticide and fertilizer applications are the greatest on the greens and tees although it is ubiquitous throughout golf courses (Vermont, 2018).

At the Site, low levels of pesticides were detected in surface and subsurface soil within the golf course, surface and subsurface soil surrounding the maintenance garage, and surface soil adjacent

to the railway. Pesticides included 4,4'-DDT, aldrin, cis-chlordane, dieldrin, endosulfan II, endosulfan sulfate, endrin aldehyde, heptachlor, heptachlor epoxide, and trans-chlordane. The only pesticide present above regulatory standards was heptachlor epoxide within surface soils of the golf course greens. Heptachlor epoxide is an organochlorine pesticide. It is a breakdown product of heptachlor, a manufactured chemical used to kill insects primarily from 1953 to 1974 (Agency for Toxic Substances and Disease Registry, 2014). Since 1988, commercial use of heptachlor is only permitted for fire ant control in power transformers. Heptachlor is also a component and breakdown product of chlordane. Heptachlor epoxide binds strongly to soil, has a low solubility in water, and can travel long distances in the wind when released.

Beside heptachlor epoxide, pesticides present on-Site are assumed to have decayed to low levels since application, leaving behind heavy metal constituents. More soluble pesticides may have dissolved in rainwater and infiltrated to the water table. Based on pesticide detections, pesticides were likely stored, mixed, and loaded at the maintenance garage.

Pesticides are not present in sediment within the pond and perennial streams at the Site.

5.3.3. Semi-Volatile Organic Compounds (SVOCs) and Polycyclic Aromatic Hydrocarbons (PAHs)

SVOCs are a diverse group of organic compounds characterized by their relatively low volatility and persistence in the environment. SVOCs in surface soil may also be associated with imported material on-Site and the location of the Site being near an urban setting, and likely from pesticides and fertilizer use.

PAHs are a group of SVOCs and are common byproducts of the combustion of fossil fuels and occur naturally in fuel oil, coal, gasoline, motor oil, and tar. When released to the environment, PAHs in soil typically exhibit low mobility in the absence of a co-solvent, have low volatility, and are not generally susceptible to biodegradation.

At the Site, PAHs, expressed as B(a)P-TEQ, are present in surface and subsurface soil at concentrations above regulatory standards surrounding the maintenance garage. PAH impacts extend to 2 feet bgs, directly adjacent to the garage, and are likely attributed to leaks or spills of petroleum products from the used fuel, gasoline, and diesel ASTs or maintenance machinery, or fill material.

5.3.4. Volatile Organic Compounds (VOCs)

VOCs are common constituents of petroleum products, soil fumigants, and hazardous materials. Bromomethane and carbon disulfide were detected at low, almost non-detectable concentrations in subsurface soil near the former ASTs. Minor releases of petroleum related products may have occurred surrounding the used fuel, gasoline, and diesel ASTs near the maintenance garage or from maintenance machinery but appear to have biodegraded.

In general, once released to the subsurface, chlorinated and petroleum VOCs can partition into four phases 1) vapor (i.e., soil gas), 2) aqueous (dissolved in pore water or groundwater), 3) sorbed (to soil minerals and organic matter), and 4) remain as non-aqueous phase liquid (NAPL), either residual or mobile. Once released to the subsurface, the phase portioning and migration of VOCs depends on several factors including: the volume of the release, the physical and chemical properties of the individual VOC, and the physical and chemical properties of the media that the VOCs were released into. VOCs present in the vadose zone present a risk to building occupants

through the vapor intrusion pathway as VOC vapors are swept into the building through the "stack effect" which is more pronounced during the heating season. Many of the VOCs associated with petroleum VOCs are extremely volatile and readily to moderately dissolve in groundwater.

5.4. Sensitive Receptor Evaluation

Contaminants of concern at the Site have been evaluated for their potential to adversely affect sensitive receptors. Table 5 presents the potentially affected media, pathways, and receptors.

Table 5: Sensitive Receptors Evaluation

Potentially Affected Media	Potential Pathways	Sensitive Receptors/Potential Risk
Surface Water / Sediment	Overland flow of stormwater runoff and groundwater discharge	Winooski River, small streams traversing the Site / Low. Metals and pesticides are not present in sediment above state guidelines except for mercury. Mercury was detected above the TEC in sediment and there may be adverse effects for aquatic biota.
Surface Soil	Direct contact to contaminated materials	Site Users / High. Metals, heptachlor epoxide, and B(a)P-TEQ are present in surface soil at concentrations that exceed risk-based standards.
Subsurface Soil	Leaching or mixing of contaminants Direct contact to contaminated materials	Groundwater / Medium. Metals may have leached to groundwater. Direct Contact / High. Metals and B(a)P-TEQ are present at concentrations that exceed risk-based standards between 2 and 4 feet bgs.
Groundwater	Infiltration of rainwater through affected surface soils may leach contaminants into the groundwater; public drinking water wells, discharge to nearby surface water.	Groundwater Users / Low. Municipal water supply serving Montpelier. Surface Water / Low. Groundwater transport is expected to be low given Site stratigraphy.
Soil Vapor	Vapor intrusion of contaminants from soils vapors beneath maintenance garage	Site Users / Low. Garage is currently unoccupied. Little to no VOCs are present in soil.

5.5. Nearby Receptors

Using the Vermont Agency of Natural Resources (ANR) Natural Resources Atlas, a qualitative receptor analysis was completed to evaluate the occurrence of potential receptors relative to the Site.

5.5.1. Drinking Water Supplies

There are ten private water supply wells and one public water supply within 0.25 miles of the Site, summarized in Table 6, below, and depicted on Figure 2.

Table 6: Drinking Water Supplies within ¼-mile of the Site

Well Report #	Owner First Name	Owner Last Name	Overburden (feet)	Static Water Level (feet bgs)	Distance from Site (feet)	Direction
25464	Star Wash		700	Unknown	1225	West
302	David	Maxham	123	Unknown	1215	South
2845	Casey	Coniff	140	20	50	South
86	Clinton	Adams	605	Unknown	940	South
303	George	Deshoefs	75	60	502	North
23161	Patrick	Malone	350	15	935	Southeast
69	Larry	Miller	180	Unknown	1320	North
32461	Hank	Buerman	260	Unknown	SITE	
10694	Kit	Erskine	345	Unknown	1060	North
27	Robert	Danials	160	41	890	South
VT0020937	Ariel's Cafe		345	Unknown	530	Southwest

5.5.2. Surface Water and Groundwater Source Protection Areas

There are no surface water or groundwater source protection areas within 0.25 miles of the Site.

5.5.3. Wetlands

According to the ANR Natural Resources Atlas, there are eight mapped Class II wetlands within 0.25 miles of the Site (ANR Atlas Object IDs 19487 and 19524). All wetlands are south of the Site towards the Winooski River.

5.5.4. Sensitive Ecological Areas and Rare, Threatened, or Endangered Species

Sensitive ecological areas, including deer wintering yards (2), habitat blocks (3), and rare, threatened and endangered species (1) were assessed within 0.25 miles of the Site using the ANR Natural Resources Atlas. Results are provided in Table 7 below.

Table 7: Sensitive Ecological Areas

Resource (ID)	Resource Type	Size (acres)
DWA3578	Deer Wintering Area	22
DWA3561	Deer Wintering Area	71
1725	Habitat Block	201
1733	Habitat Block	303
1740	Habitat Block	125
109283	Rare – Animal	Not applicable

6. Conclusions and Recommendations

Based on the findings of the Phase II ESA, Stone makes the following conclusions:

- Soil within the golf course greens contain arsenic, lead, and mercury above regulatory standards to a depth of 2 feet bgs due to historic pesticide and fertilizer application.
- Surface soil within the golf course greens contain the degradation product of the insecticide heptachlor, heptachlor epoxide, above the EPA resident RSL from historic pesticide application.
- Soil surrounding the maintenance garage contain PAHs, expressed as B(a)P-TEQ, above the resident VSS to a depth of 2 feet bgs, likely due to leaks or spills of petroleum products from the used fuel, gasoline, and diesel ASTs or maintenance machinery, or fill material.
- Sediment in the pond and perennial streams on-Site has not been impacted by metals or pesticides above Vermont SQGs except for mercury at location SD-2. SD-2 is located downgradient of golf course greens with the highest mercury concentrations.

Based on these conclusions and the data collected, Stone makes the following recommendations:

- Perform a Supplemental Site Investigation (SSI) to evaluate whether groundwater has been impacted by metals and pesticides. Perform further site assessment of sediment due to mercury detections including evaluating the spatial and horizontal distribution of the data and potential biological receptors.
- Due to the proximity of the community garden to where there are detections of heavy metals in surface soil, additional soil assessment should be performed to determine if there is an exposure risk to Site users.
- Complete a building material survey (e.g. asbestos, lead), a polychlorinated biphenyl (PCBs) building material inventory, and a visual inspection for mold to address the business environmental risk (BER) identified in the Phase I ESA and to proactively meet the requirements of the National Environmental Review Policy Act (NEPA) in anticipation of federal redevelopment funding.

Once SSI activities are complete, development of either an evaluation of corrective action alternatives (ECCA) and corrective action plan (CAP) or Soil Management Plan (SMP) will be required to mitigate direct contact risks to surface and subsurface soil. Whether an ECAA and CAP or SMP is required will depend on whether further contamination is identified in the SSI, for example if groundwater is contaminated above the VGES and migrating off-site an ECAA will be required.

7. References

Agency for Toxic Substances and Disease Registry, 2014, *Public Health Statement for Heptachlor and Heptachlor Epoxide*, Retrieved from: https://wwwn.cdc.gov/TSP/PHS/PHS.aspx?phsid=743&toxid=135 (accessed February 11, 2025).

Vermont Golf Course Pesticide Use Permit for 2018. *Kwiniaska Golf Club*. January 18, 2018.

Montpelier Parks and Trees CCR. *Endyne Inc Environmental Laboratories.* May 10, 2024.

Ratcliffe, N.M., Stanley, R.S., Gale, M.H., Thompson, P.J., and Walsh, G.J., 2011, *Bedrock Geologic Map of Vermont*, U.S. Geological Survey Scientific Investigations Map 3184, 3 sheets, scale 1:100,000.

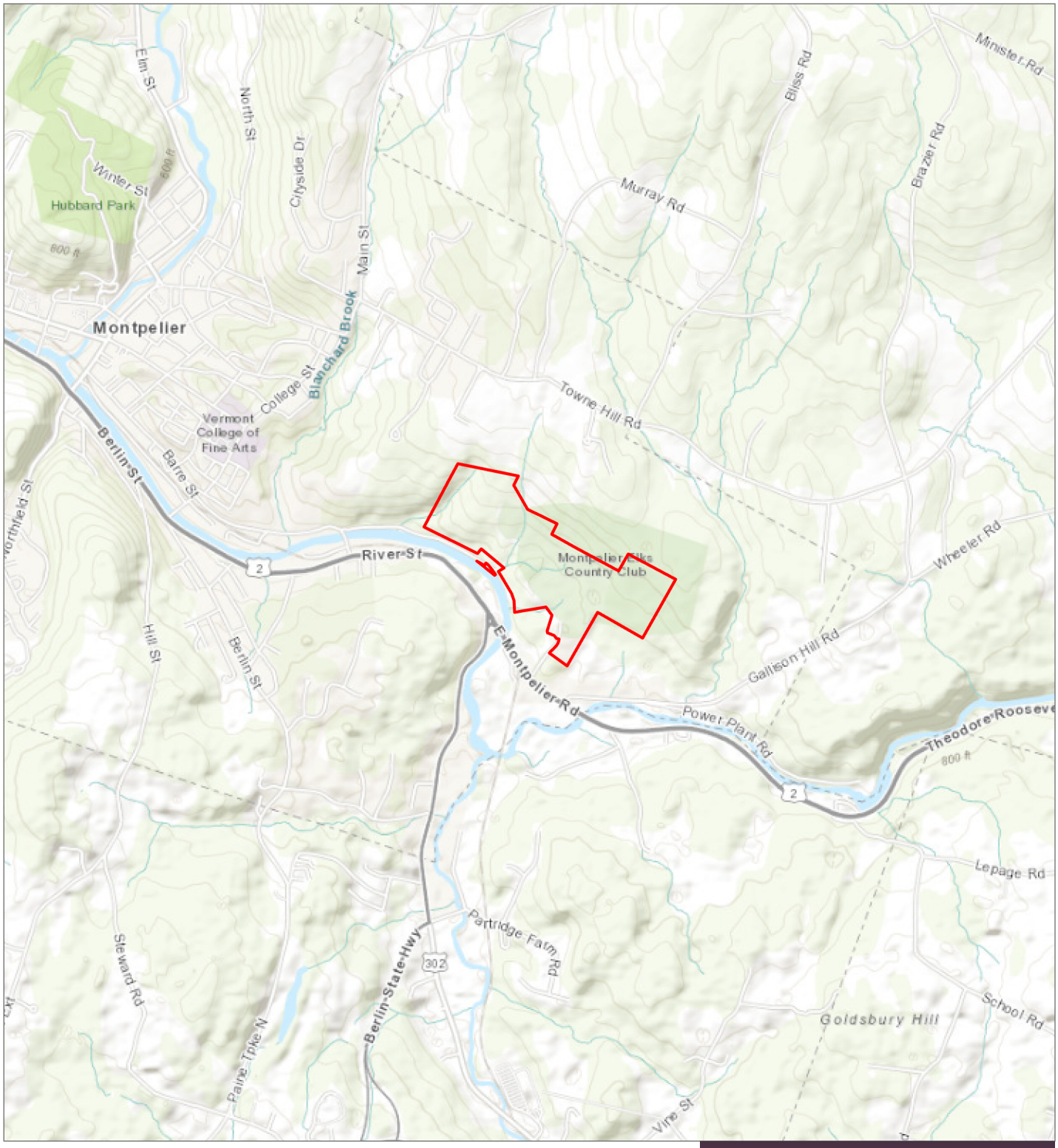
Stone Environmental, Inc., 2022. *Phase I Environmental Site Assessment: 203 Country Club Road, Montpelier, Vermont.* April 22, 2022.

USEPA, 2022, *Final National Level Listed Species Biological Evaluation for Imidacloprid*, *Chapter 3: Imidacloprid Exposure Characterization,* Retrieved from: https://www.epa.gov/endangered-species/final-national-level-listed-species-biological-evaluation-imidacloprid (accessed August 1, 2024).

Vermont Agency of Agriculture Food and Markets, *Pesticide Usage Summary 2013 – 2022*; https://agriculture.vermont.gov/sites/agriculture/files/doc_library/Pesticide%20Usage%20Summary%202013-2022_FINAL.pdf (accessed July 29, 2024).

Appendix A: Figures

Figure 1: Location Map
Figure 2: Vicinity Map
Figure 3: Site Map
Figure 4a: Arsenic Concentrations in Surface Soil
Figure 4b: Lead Concentrations in Surface Soil
Figure 4c: Mercury Concentrations in Surface Soil
Figure 4d: B(a)P-TEQ Concentrations in Surface and Subsurface Soil
Figure 4e: Heptachlor Epoxide Concentrations in Surface Soil
Figure 5a: Arsenic Concentrations in Subsurface Soil
Figure 5b: Lead Concentrations in Subsurface Soil
Figure 5c: Mercury Concentrations in Subsurface Soil
Figure 6: Mercury Concentrations in Sediment



LEGEND

Site Boundary

N 0 750 1,500 Feet

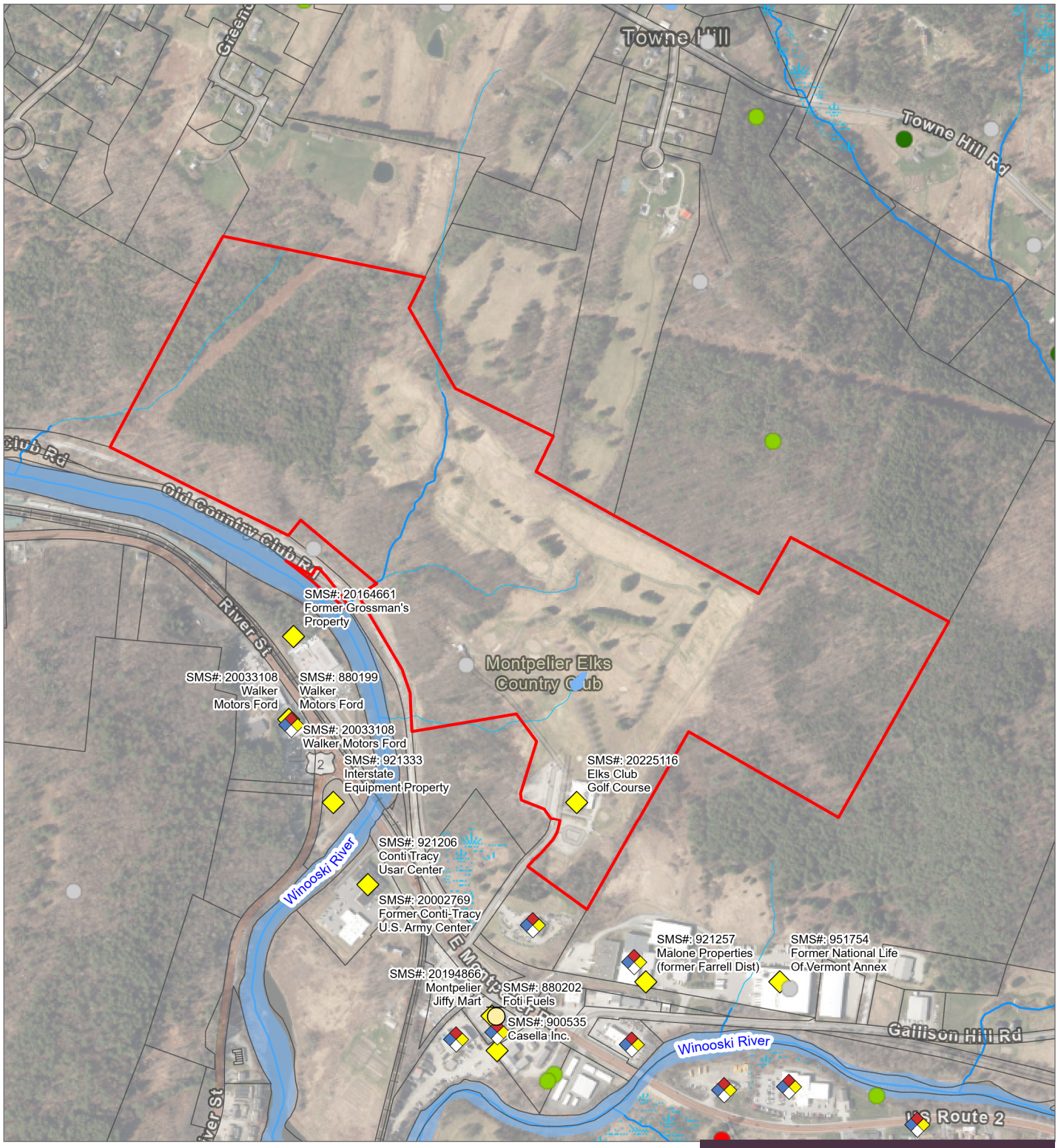
Figure 1: Location Map

Phase II ESA

203 Country Club Road
Montpelier, Vermont

STONE ENVIRONMENTAL

Source: Esri World Imagery, VCGI
Path: O:\PROJ-22\EAR\20221113 203 Country Club Lane Montpelier\GIS\20221113 203 Country Club Lane Montpelier\20221113 203 Country Club Lane Montpelier.aprx Saved: 7/2/2024 by lrajnak



LEGEND

- Site Boundary
- Parcel Boundary
- Waterbody
- VT Significant Wetlands Inventory
- Rail Lines
- Streams
- Intermittent
- Perennial
- Private Wells
- GPS Location
- screen digitized
- E911 Address
- Unknown
- Hazardous Waste Sites
- Hazardous Waste Generators
- Underground Storage Tank (working)

N 0 200 400 Feet

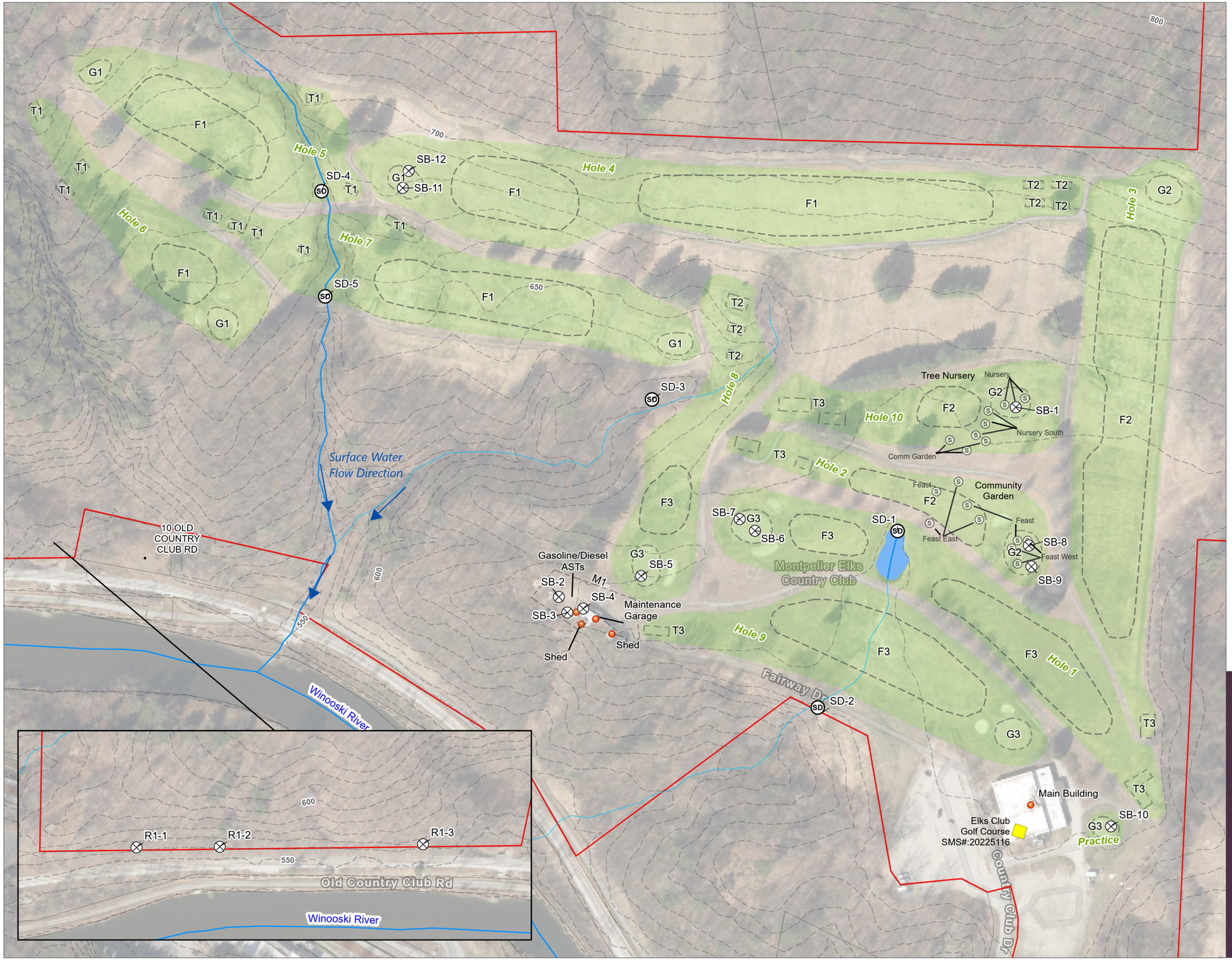
Figure 2: Vicinity Map

Phase II ESA

203 Country Club Road
Montpelier, Vermont

STONE ENVIRONMENTAL

Source: Esri World Imagery, VCGI
Path: O:\PROJ-22\EAR\20221113 203 Country Club Lane Montpelier\GIS\20221113 203 Country Club Lane Montpelier\20221113 203 Country Club Lane Montpelier.aprx Saved: 7/29/2024 by lrajnak



0 80 160
Feet

LEGEND

- Site Boundary
- Parcel Boundary
- Ponds
- Decision Unit Area
- Course Layout
- Hazardous Waste Site
- Points of Interest
- Previous Sample Locations

Sample Locations - Stone Environmental

- Soil Boring
- Sediment
- 10' Elevation Contours

Streams

- Intermittent
- Perennial

Source: Esri World Imagery, VCGI, ANR Atlas

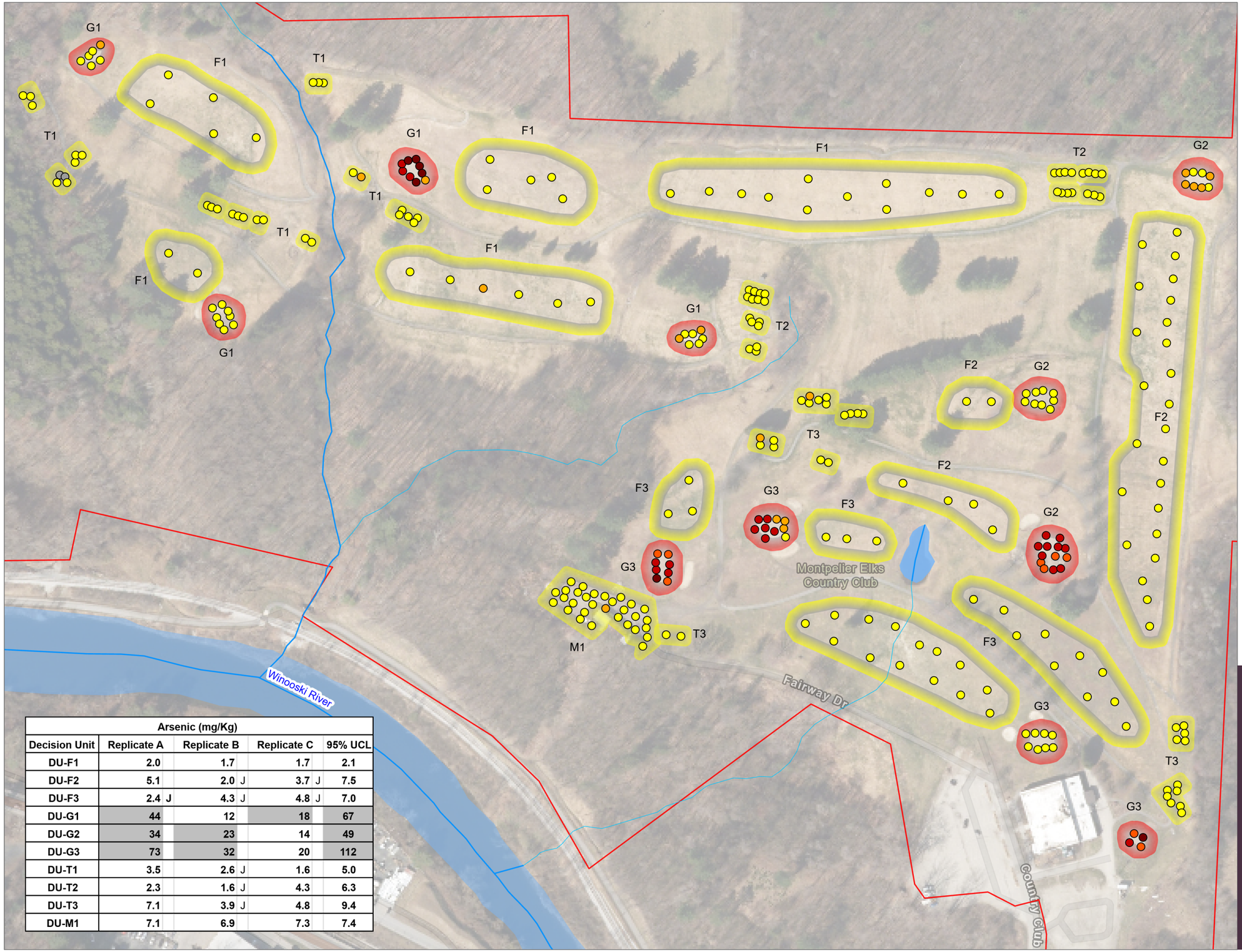
Path: O:\PROJ-22\EAR\20221113 203 Country Club Road Montpelier\GIS\20221113 203 Country Club Lane Montpelier\20221113 203 Country Club Lane Montpelier.aprx Figure 3 - Site Map Exported: 3/19/2025

Figure 3: Site Map

Phase II ESA

203 Country Club Road
Montpelier, Vermont

STONE ENVIRONMENTAL



Arsenic (mg/Kg)							
Decision Unit	Replicate A		Replicate B		Replicate C		95% UCL
DU-F1	2.0		1.7		1.7		2.1
DU-F2	5.1		2.0	J	3.7	J	7.5
DU-F3	2.4	J	4.3	J	4.8	J	7.0
DU-G1	44		12		18		67
DU-G2	34		23		14		49
DU-G3	73		32		20		112
DU-T1	3.5		2.6	J	1.6		5.0
DU-T2	2.3		1.6	J	4.3		6.3
DU-T3	7.1		3.9	J	4.8		9.4
DU-M1	7.1		6.9		7.3		7.4

N

0 100 200
Feet

LEGEND

- Site Boundary
- Waterbody
- Decision Unit Area
- Arsenic Concentrations
  - 95% UCL >16 mg/Kg
  - 95% UCL <16 mg/Kg
- Arsenic Concentrations - XRF Results
  - Non-Detect
  - Detection; <16 mg/Kg
  - Detection; 16-50 mg/Kg
  - Detection; 50-100 mg/Kg
  - Detection; 100-150 mg/Kg
  - Detection; >150 mg/Kg
- Streams
  - Intermittent
  - Perennial

Notes:
Non-Urban Background Level:
Arsenic - 16 mg/Kg
J - Analyte was detected between the method detection limit and the quantitation limit. Value provided is estimated
Shaded results indicate an exceedance of non-Urban background

Source: Esri World Imagery, VCGI

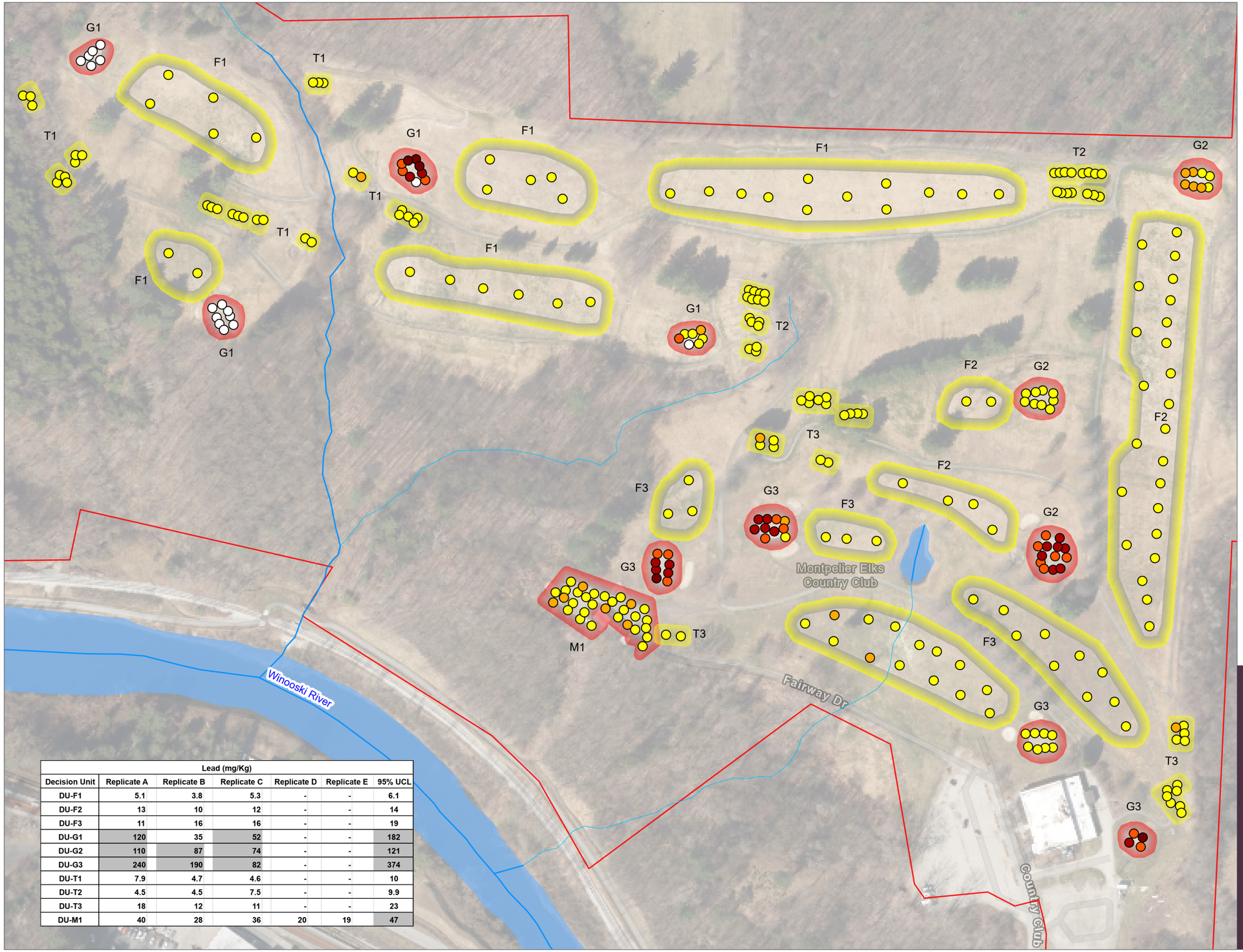
Path: O:\PROJ-22\EAR\20221113 203 Country Club Road Montpelier\GIS\20221113 203 Country Club Lane Montpelier\20221113 203 Country Club Lane Montpelier.aprx Figure 4a - Surface Soil Results - Arsenic
Exported: 2/21/2025 8:09 AM by lrajnak

Figure 4a: Arsenic Concentrations in Surface Soil

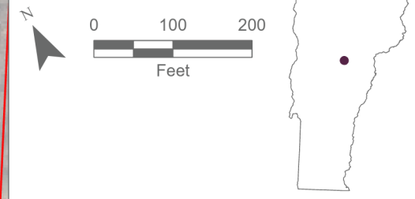
Phase II ESA

203 Country Club Road
Montpelier, Vermont

STONE ENVIRONMENTAL



Lead (mg/Kg)						
Decision Unit	Replicate A	Replicate B	Replicate C	Replicate D	Replicate E	95% UCL
DU-F1	5.1	3.8	5.3	-	-	6.1
DU-F2	13	10	12	-	-	14
DU-F3	11	16	16	-	-	19
DU-G1	120	35	52	-	-	182
DU-G2	110	87	74	-	-	121
DU-G3	240	190	82	-	-	374
DU-T1	7.9	4.7	4.6	-	-	10
DU-T2	4.5	4.5	7.5	-	-	9.9
DU-T3	18	12	11	-	-	23
DU-M1	40	28	36	20	19	47



LEGEND

- Site Boundary
- Waterbody

Decision Unit Area

- 95% UCL > 41 mg/Kg
- 95% UCL <41 mg/Kg

Lead Concentrations - XRF Analysis

- Not Analyzed
- Detection; <41 mg/Kg
- Detection; 41-100 mg/Kg
- Detection; 100-300 mg/Kg
- Detection; 300-500 mg/Kg
- Detection; > 600 mg/Kg

Streams

- Intermittent
- Perennial

Streams

- Intermittent
- Perennial

Notes:
Non-Urban Background Level:
Lead - 41 mg/Kg
J - Analyte was detected between the method detection limit and the quantitation limit. Value provided is estimated
Shaded results indicate an exceedance of non-Urban background

Source: Esri World Imagery, VCGI

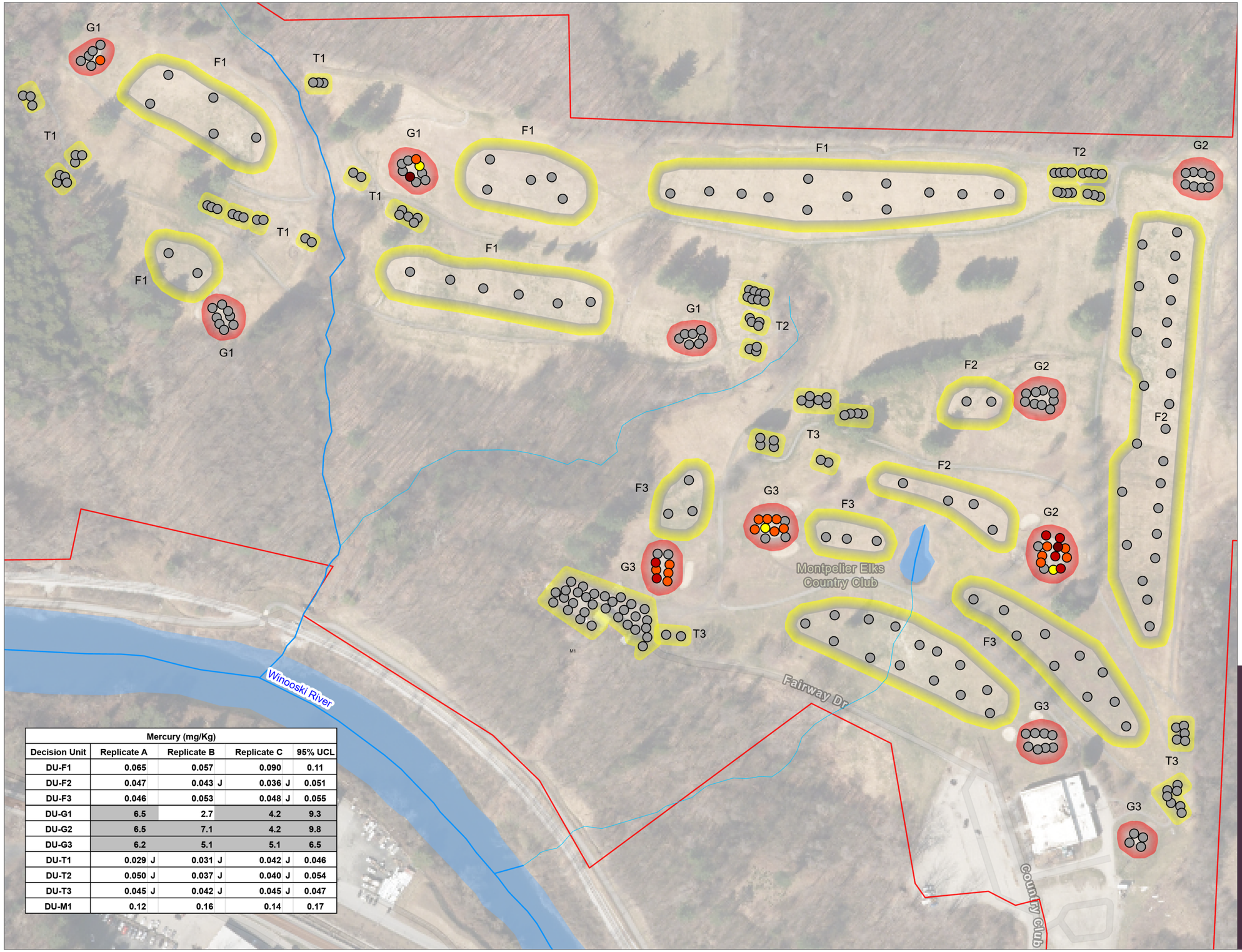
Path: O:\PROJ-22\EAR\20221113 203 Country Club Road Montpelier\GIS\20221113 203 Country Club Lane Montpelier\20221113 203 Country Club Lane Montpelier.aprx Figure 4b - Surface Soil Results - Lead
Exported: 2/21/2025 9:00 AM by lrajnak

Figure 4b: Lead Concentrations in Surface Soil

Phase II ESA

203 Country Club Road
Montpelier, Vermont

STONE ENVIRONMENTAL



Mercury (mg/Kg)				
Decision Unit	Replicate A	Replicate B	Replicate C	95% UCL
DU-F1	0.065	0.057	0.090	0.11
DU-F2	0.047	0.043 J	0.036 J	0.051
DU-F3	0.046	0.053	0.048 J	0.055
DU-G1	6.5	2.7	4.2	9.3
DU-G2	6.5	7.1	4.2	9.8
DU-G3	6.2	5.1	5.1	6.5
DU-T1	0.029 J	0.031 J	0.042 J	0.046
DU-T2	0.050 J	0.037 J	0.040 J	0.054
DU-T3	0.045 J	0.042 J	0.045 J	0.047
DU-M1	0.12	0.16	0.14	0.17

N

0 100 200
Feet

LEGEND

- Site Boundary
- Waterbody

Decision Unit Area

Mercury Concentrations

- 95% UCL >3.1 mg/Kg
- 95% UCL <3.1 mg/Kg

Mercury Concentrations

- Non-Detect
- Detection; <3.1 mg/Kg
- Detection; 3.1-10 mg/Kg
- Detection; 10-15 mg/Kg
- Detection; >20 mg/Kg

Streams

- Intermittent
- Perennial

Notes:
Vermont Soil Standards, Residential/Non-Residential:
Mercury - 3.1 / 3.1 mg/Kg
J - Analyte was detected between the method detection limit and the quantitation limit. Value provided is estimated
Shaded results indicate an exceedance of Residential/Non-Residential enforcement standard

Source: Esri World Imagery, VCGI

Path: O:\PROJ-22\EAR\20221113 203 Country Club Road Montpelier\GIS\20221113 203 Country Club Lane Montpelier\20221113 203 Country Club Lane Montpelier.aprx Figure 4c - Surface Soil Results - Mercury
Exported: 2/24/2025 11:33 AM by lrajnak

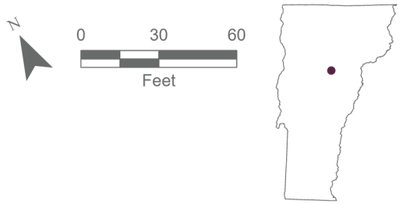
Figure 4c: Mercury Concentrations in Surface Soil

Phase II ESA

203 Country Club Road
Montpelier, Vermont

STONE ENVIRONMENTAL

B(a)P-TEQ (mg/Kg)				
Decision Unit	Replicate A	Replicate B	Replicate C	95% UCL
DU-M1	0.076 J	0.095 J	0.083 J	0.10



LEGEND

- Site Boundary
- Waterbody

Decision Unit Area

B(a)P-TEQ Concentrations

- 95% UCL >0.07 mg/Kg
- Points of Interest

Streams

- Intermittent

B(a)P-TEQ Concentrations

- Shallow Soil Boring; Non-Detect
- Shallow Soil Boring; >0.07 mg/Kg
- Deep Soil Boring; Non-Detect
- Deep Soil Boring; Detection, <0.07 mg/Kg

Notes:
Vermont Soil Standards, Residential/Non-Residential/Urban:
B(a)P-TEQ- 0.07 / 1.54 / 0.58 mg/Kg
J - Analyte was detected between the method detection limit and the quantitation limit. Value provided is estimated
Shaded results indicate an exceedance of resident enforcement standard

Source: Esri World Imagery, VCGI

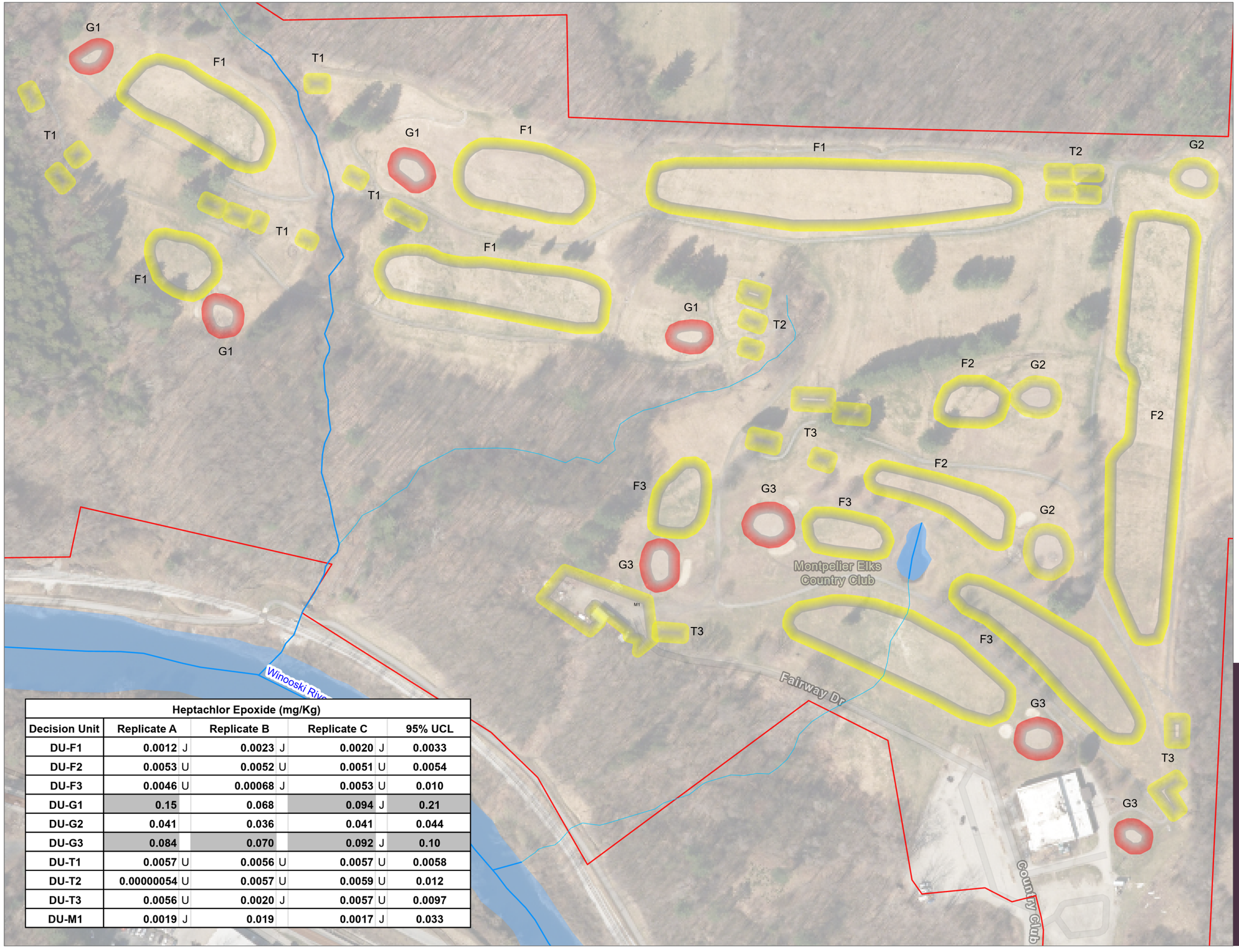
Path: O:\PROJ-22\EAR\20221113 203 Country Club Road Montpelier\GIS\20221113 203 Country Club Lane Montpelier\20221113 203 Country Club Lane Montpelier.aprx Figure 4d - Surface Soil Results - B(a)P-TEQ Exported: 2/24/2025 11:44 AM by lrajnak

Figure 4d: B(a)P-TEQ Concentrations in Surface and Subsurface Soil

Phase II ESA

203 Country Club Road
Montpelier, Vermont

STONE ENVIRONMENTAL



Heptachlor Epoxide (mg/Kg)				
Decision Unit	Replicate A	Replicate B	Replicate C	95% UCL
DU-F1	0.0012 J	0.0023 J	0.0020 J	0.0033
DU-F2	0.0053 U	0.0052 U	0.0051 U	0.0054
DU-F3	0.0046 U	0.00068 J	0.0053 U	0.010
DU-G1	0.15	0.068	0.094 J	0.21
DU-G2	0.041	0.036	0.041	0.044
DU-G3	0.084	0.070	0.092 J	0.10
DU-T1	0.0057 U	0.0056 U	0.0057 U	0.0058
DU-T2	0.00000054 U	0.0057 U	0.0059 U	0.012
DU-T3	0.0056 U	0.0020 J	0.0057 U	0.0097
DU-M1	0.0019 J	0.019	0.0017 J	0.033

N

0 100 200
Feet

LEGEND

- Site Boundary
- Decision Unit Area
- Heptachlor Epoxide Concentrations
  - 95% UCL >0.07 mg/Kg
  - 95% UCL <0.07 mg/Kg
  - Waterbody
- Streams
  - Intermittent
  - Perennial

Notes:
EPA RSL, Resident/Industrial:
Heptaclor Epoxide- 0.07 / 0.33 mg/Kg
U - Analyte not detected
J - Analyte was detected between the method detection limit and the quantitation limit. Value provided is estimated
Shaded results indicate an exceedance of resident enforcement standard

Source: Esri World Imagery, VCGI

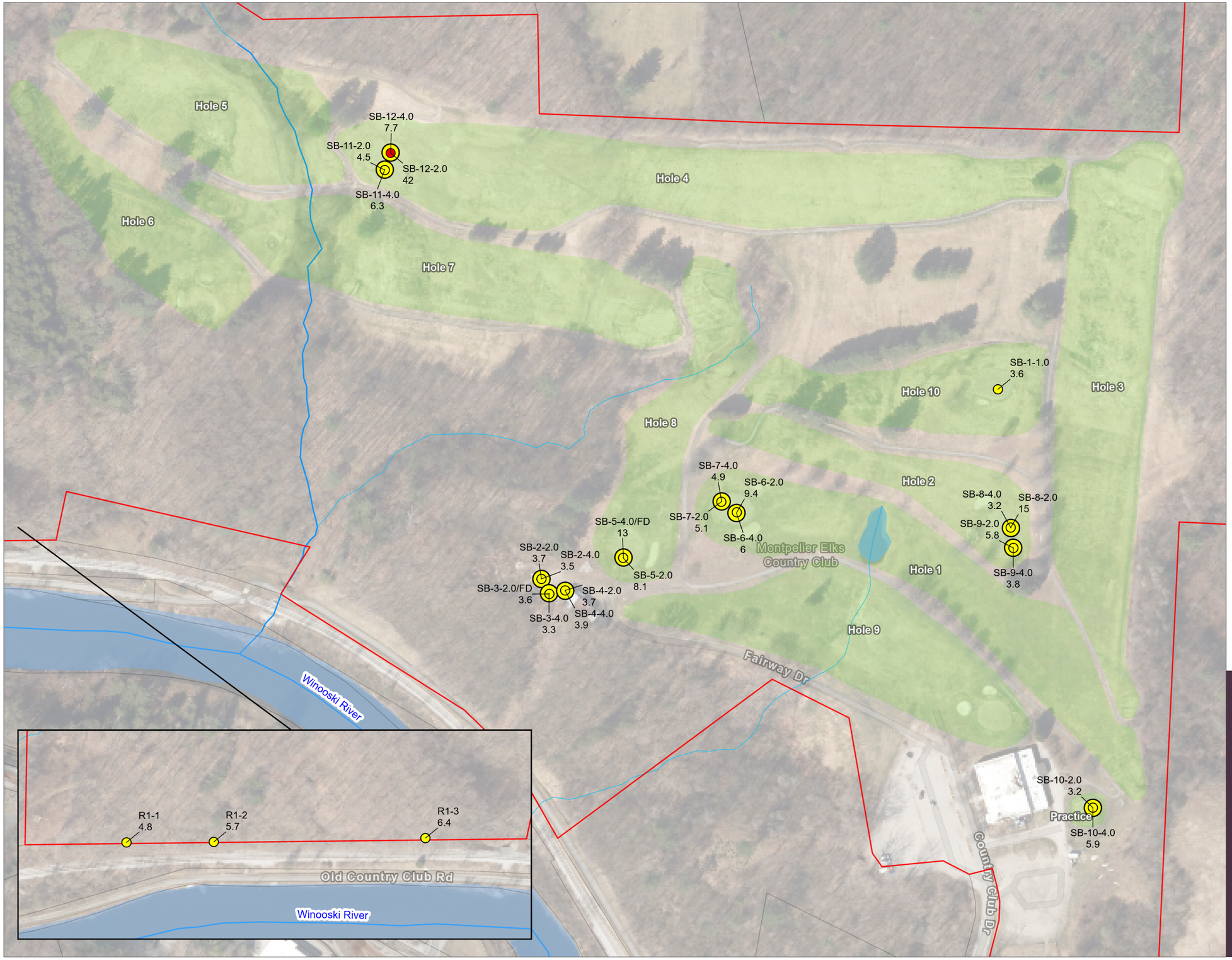
Path: O:\PROJ-22\EAR\20221113 203 Country Club Road Montpelier\GIS\20221113 203 Country Club Lane Montpelier\20221113 203 Country Club Lane Montpelier.aprx Figure 4e - Surface Soil Results - Heptachlor Epoxide Exported: 2/24/2025 11:46 AM by lrajnak

Figure 4e: Heptaclor Epoxide Concentrations in Surface Soil

Phase II ESA

203 Country Club Road
Montpelier, Vermont

STONE ENVIRONMENTAL



LEGEND

- Site Boundary
- Parcel Boundary
- Course Layout
- Waterbody

Streams

- Intermittent
- Perennial

Arsenic Concentrations

- Surface Soil & Shallow Soil Boring; < 16 mg/Kg
- Surface Soil & Shallow Soil Boring; > 16 mg/Kg
- Deep Soil Boring; <16 mg/Kg

Notes:
Non-Urban Background Level:
Arsenic - 16 mg/Kg
J - Analyte was detected between the method detection limit and the quantitation limit. Value provided is estimated
Shaded results indicate an exceedance of non-Urban background

Source: Esri World Imagery, VCGI

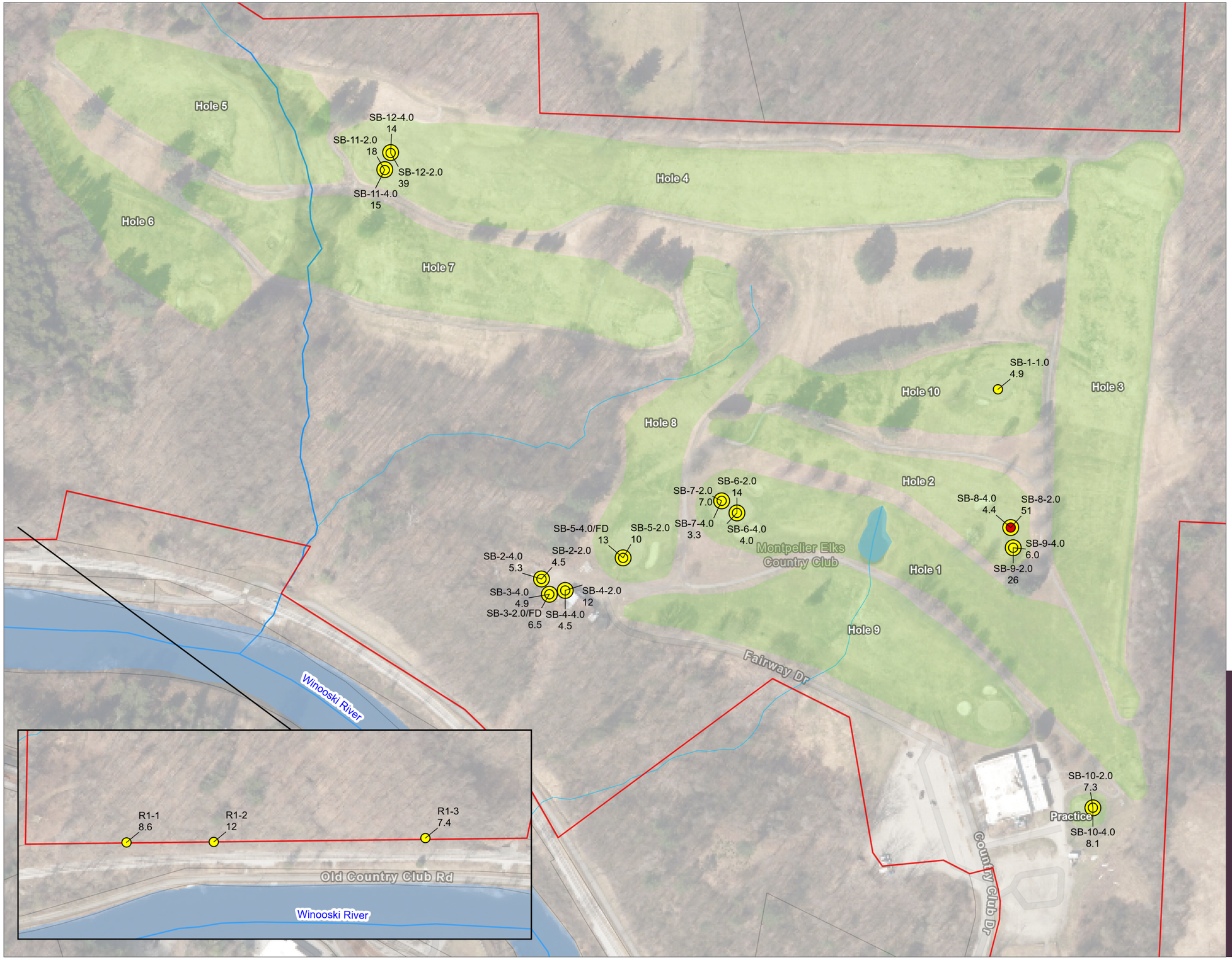
Path: O:\PROJ-22\EAR\20221113 203 Country Club Road Montpelier\GIS\20221113 203 Country Club Lane Montpelier\20221113 203 Country Club Lane Montpelier.aprx Figure 5a - Soil Boring Results - Arsenic

Figure 5a: Arsenic Concentrations in Sub-Surface Soil

Phase II ESA

203 Country Club Road
Montpelier, Vermont

STONE ENVIRONMENTAL



N

0 100 200
Feet

LEGEND

- Site Boundary
- Course Layout
- Parcel Boundary
- Waterbody

Streams

- Intermittent
- Perennial

Lead Concentrations

- Surface Soil and Shallow Soil Boring; <41 mg/Kg
- Surface Soil and Shallow Soil Boring; >41 mg/Kg
- Deep Soil Boring; <41 mg/Kg

Notes:
Non-Urban Background Level:
Arsenic - 41 mg/Kg
J - Analyte was detected between the method detection limit and the quantitation limit. Value provided is estimated
Shaded results indicate an exceedance of non-Urban background

Source: Esri World Imagery, VCGI

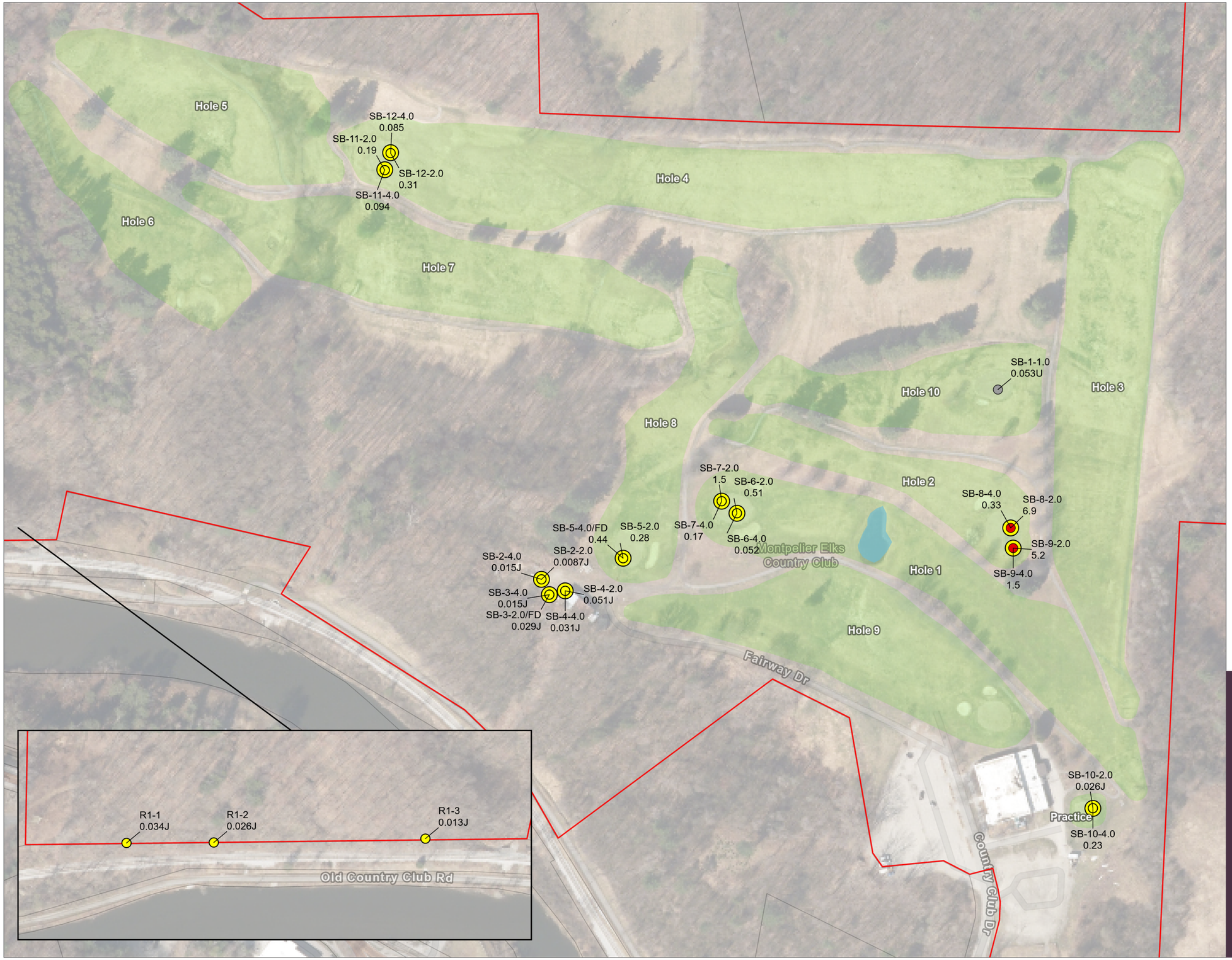
Path: O:\PROJ-22\EAR\20221113 203 Country Club Road Montpelier\GIS\20221113 203 Country Club Lane Montpelier\20221113 203 Country Club Lane Montpelier.aprx
Figure 5b - Soil Boring Results - Lead Exported: 2/21/2025 9:37 AM by lrajnak

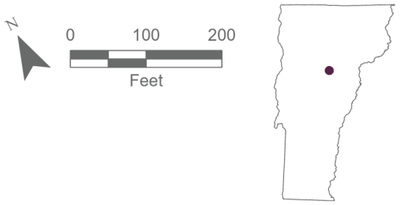
Figure 5b: Lead Concentrations in Sub-Surface Soil

Phase II ESA

203 Country Club Road
Montpelier, Vermont

STONE ENVIRONMENTAL





LEGEND

- Site Boundary
- Course Layout
- Parcel Boundary

Mercury Concentrations

- Non-Detect
- Surface Soil and Shallow Soil Boring; <3.1 mg/Kg
- Surface Soil and Shallow Soil Boring; >3.1 mg/Kg
- Deep Soil Boring; 3.1 mg/Kg

Notes:
Vermont Soil Standards, Residential/Non-Residential:
Mercury - 3.1 / 3.1 mg/Kg
U - Analyte not detected; limit of quantitation listed
J - Analyte was detected between the method detection limit and the quantitation limit. Value provided is estimated
Shaded results indicate an exceedance of resident/non-resident enforcement standard

Source: Esri World Imagery, VCGI

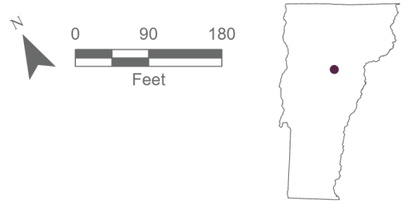
Path: O:\PROJ-22\EAR\20221113 203 Country Club Road Montpelier\GIS\20221113 203 Country Club Lane Montpelier\20221113 203 Country Club Lane Montpelier.aprx Figure 5c - Soil Boring Results - Mercury

Figure 5c: Mercury Concentrations in Sub-Surface Soil

Phase II ESA

203 Country Club Road
Montpelier, Vermont

STONE ENVIRONMENTAL



LEGEND

- Site Boundary
- Course Layout

Streams

- Intermittent
- Perennial

Mercury Concentrations

- SD Detection; <0.18 mg/Kg
- SD Detection; >0.18 mg/Kg

Notes:
Sediment Quality Guidelines for the Protection of Aquatic Biota in Freshwater Ecosystems - TEC / PEC : 0.18 / 1.06
J - Analyte was detected between the method detection limit and the quantitation limit. Value provided is estimated
TEC - Threshold Effect Concentration
PEC - Probable Effects Concentration

Source: Esri World Imagery, VCGI

Path: O:\PROJ-22\EAR\20221113 203 Country Club Road Montpelier\GIS\20221113 203 Country Club Lane Montpelier\20221113 203 Country Club Lane Montpelier.aprx Figure 6 - Sediment Results - Mercury

Figure 6: Mercury Concentrations in Sediment

Phase II ESA

203 Country Club Road
Montpelier, Vermont

STONE ENVIRONMENTAL

Appendix B: Field Notes & Boring Logs

Project Information

Project Name	203 Country Club Rd
Project Number	20221113
Project Manager	Laura Rajnak
Location	Montpelier

Site Information

Date	11-19-2024
Stone Personnel On Site	Laura Rajnak, Jodie Wright, Chloe Eggert
Time On Site	07:30
Time Off Site	16:00
Weather	45, overcast
Objectives	ISM sampling
Workplan Deviations	NA
Decontamination Procedures	Alconox, water

Owner / Sub-Contractor / Visitor

Name/Company	Chloe Eggert / Stone
Time In	13:00

Field Notes

1

Time 07:30

Notes LBR, JGW on site. Setting up UTV with materials to begin ISM sampling at the furthest DU's, F1, G1, T1.

2

Time 07:44

Notes Setting up flags at T1.

Photo(s)

3

Time 09:44

Notes SD-4 collected.

Photo(s)

4

Time 10:51

Notes Finished DU-T1. Collected 4 replicate samples, and will archive one (D).

5

Time 10:52

Notes SD-5 collected with a field duplicate.

Photo(s)

6

Time 11:18

Notes Setting up to begin DU-G1.

7

Time 12:39

Notes Greens so far have been covered in dead vegetation and sand.

Photo(s)

8	**Time**	13:50
	Notes	SD-3 sampled.
9	**Time**	14:17
	Notes	Finished sampling DU-G1. LBR off site, CME and JGW will move to begin sampling at DU-F1.
10	**Time**	14:30
	Notes	Starting sampling DU-F1.
11	**Time**	15:43
	Notes	Finishing up sampling for the day, will finish DU-F1 tomorrow. Marking out several locations in other F1 fairways to begin tomorrow.
12	**Time**	16:00
	Notes	Stone packed up, UTV parked/locked up, Stone off site.

Signature

Project Information

Project Name	203 Country Club Rd
Project Number	20221113
Project Manager	Laura Rajnak
Location	Montpelier

Site Information

Date	11-20-2024
Stone Personnel On Site	Jodie Wright, Chloe Eggert, Laura Rajnak
Time On Site	07:15
Time Off Site	16:00
Weather	40, overcast
Objectives	ISM
Workplan Deviations	NA
Decontamination Procedures	Alconox, water

Field Notes

1

Time 07:15

Notes JGW, CME on site. Heading out to resume at DU-F1. Sampling 20 g soil at each increment, at depths up to 10 inches BGS.

2

Time 08:35

Notes LBR on site, sampling sediment.

3

Time 08:45

Notes Sampled SD-1. Pond is dry, sampled below the outfall.

Photo(s)

4

Time 08:53

Notes SD-2 sampled. Area is dry, LBR sampled below outfall.

Photo(s)

5

Time 10:31

Notes LBR marked our T2 and G2, off site.

6

Time 10:53

Notes Done with DU-F1, moving to DU-T2.

7

Time 14:46

Notes Finished with DU-T2, moving to DU-G2.

Photo(s)

8	**Time**	15:58
9	**Time**	15:55
	Notes	Finishing work for the day. Will continue on DU-G2 tomorrow.
10	**Time**	15:59
	Notes	Stone packing up, off site.

Signature

Project Information

Project Name	203 Country Club Rd
Project Number	20221113
Project Manager	Laura Rajnak
Location	Montpelier

Site Information

Date	11-21-2024
Stone Personnel On Site	Jodie Wright, Chloe Eggert, Serena Veilleux
Time On Site	07:15
Time Off Site	16:05
Weather	40, overcast, rainy
Objectives	ISM
Workplan Deviations	NA
Decontamination Procedures	Alconox, water

Field Notes

1
Time 07:15
Notes JGW, CME on site. SJV meeting staff on site. We will finish at DU-G2 this morning before moving to another DU.

2
Time 09:30
Notes Finished with DU-G2. SJV off site.

3
Time 09:56
Notes Starting DU-F2.

4
Time 13:53
Notes F2 area with only two increments had been filled for tree nursery area.

Photo(s)

5

Time 14:29

Notes DU-F2-27 and -28 are located within the community garden beds. The entire increments were located within the beds and cannot be avoided. There is mulch down between the rows and the beds themselves have straw over them for the winter.

Photo(s)

6

Time 15:00

Notes Finished DU-F2, moving to DU-T3.

7

Time 15:46

Notes Wrapping up for the day. Staff will return to finish at DU-T3 tomorrow.

8

Time 16:05

Notes Stone off site.

Signature

Project Information

Project Name	203 Country Club Rd
Project Number	20221113
Project Manager	Laura Rajnak
Location	Montpelier

Site Information

Date	11-22-2024
Stone Personnel On Site	Chloe Eggert, Jodie Wright
Time On Site	07:15
Time Off Site	16:00
Weather	40, raining
Objectives	ISM
Workplan Deviations	NA
Decontamination Procedures	Alconox, water

Field Notes

1	**Time**	07:15
	Notes	CME, JGW on site. Going to start at DU-T3 which we started yesterday.
2	**Time**	10:15
	Notes	Finished DU-T3, moving to DU-G3.
3	**Time**	14:29
	Notes	Finishing with DU-G3, moving to mark out and start at DU-F3.
4	**Time**	15:47
	Notes	Wrapping up for the day. We completed 10 increments at DU-F3, will finish Monday.
5	**Time**	16:00
	Notes	CME and JGW off site.

Signature

Project Information

Project Name	203 Country Club Rd
Project Number	20221113
Project Manager	Laura Rajnak
Location	Montpelier

Site Information

Date	11-25-2024
Stone Personnel On Site	Jodie Wright, Chloe Eggert
Time On Site	07:15
Time Off Site	16:15
Weather	30, partly sunny
Objectives	ISM
Workplan Deviations	NA
Decontamination Procedures	Alconox, water

Field Notes

1	**Time**	07:15
	Notes	JGW, CME on site. Will finish DU-F3 before moving on to DU-M1.
2	**Time**	10:02
	Notes	Finishing at DU-F3.
3	**Time**	10:50
	Notes	Starting at DU-M1. The back field has several areas of wood, sand bags, trailers, and various detritus. Stone will work around these piles.
4	**Time**	11:26
	Notes	Gravel areas in DU-M1 appear to have only approximately 1-2" of gravel, below which is an orangish tan gravely sand, which is similar to soils in the nearby grass areas. Stone will sample the gravely sand but not the gravel of the parking lot/drive.
5	**Time**	12:39
	Notes	DU-M1 is very gravelly. In the gravel areas, hand augers or a drill are being used to clear the top gravel before sampling. We are collecting
6	**Time**	15:47
	Notes	Staff will finish sampling DU-M1 today but will need to mark out locations with Trimble R2 tomorrow morning.
7	**Time**	16:04
	Notes	Wrapping up DU-M1. Staff packing up.
8	**Time**	16:11
	Notes	Stone off site.

Signature

Project Information

Project Name	203 Country Club Rd
Project Number	20221113
Project Manager	Laura Rajnak
Location	Montpelier

Site Information

Date	11-26-2024
Stone Personnel On Site	Jodie Wright, Laura Rajnak
Time On Site	06:45
Time Off Site	09:20
Weather	25, freezing rain
Objectives	ISM
Workplan Deviations	NA
Decontamination Procedures	Alconox, water

Field Notes

1	**Time**	06:45
	Notes	Stone on site. Will start marking out DU-M1 before moving to DU-R1.
2	**Time**	07:07
	Notes	Stone drive UTV towards DU-R1. Staff will have to walk out to the decision unit increments, as they're along the railroad and cannot be driven to.
3	**Time**	07:42
	Notes	Freezing rain starting. The DU is on a steep hillside and is very overgrown with brush and downed trees. The hillside is very slick to walk on.
4	**Time**	08:13
	Notes	LBR making a phone call to Dan Voisin to discuss options, as it does not seem feasible to sample this DU.
5	**Time**	08:18
	Notes	LBR calling Katrina Mattice, no response from DTV. KJM suggest collecting three discrete samples if we cannot finish the DU.
6	**Time**	08:24
	Notes	Taking three discrete samples within the DU for R1.
7	**Time**	09:09
	Notes	Finishing discrete samples, Stone packing up.
8	**Time**	09:15
	Notes	Stone off site.

Signature

Project Information

Project Name	203 Country Club Rd
Project Number	20221113
Project Manager	Laura Rajnak
Location	Montpelier VT

Site Information

Date	12-03-2024
Stone Personnel On Site	Rudy Bentlage, Serena Veilleux
Time On Site	08:30
Time Off Site	15:32
Weather	snowing, high 20s
Objectives	Subsurface soil sampling, one sediment sample
Workplan Deviations	None
Decontamination Procedures	Alcanox scrub, rinse with water

Field Notes

1

Time 08:25

Notes Stone on site, PID calibrated at shop prior to arriving on site

2

Time 08:58

Notes Setting up at SB-11. General procedure for samples SB-5 thru SB-12 as follows:
Geoprobe LB tool used to obtain soil cores for logging, then stainless steel auger used to achieve sufficient sample volume at 2 and 4ft. Same procedure used at SB-1, except samples obtained at 1,2,3 and 4ft. Excess soil used to backfill hole.

3

Time 09:44

Notes SB-11
0-0.5ft Brown, sand, medium fine, dry, no odor
0.5-2ft Brown, clayey loam, fine, dry, no odor
2ft-4ft Grayish brown, clay, fine, dry, no odor

1ft 1.351 ppm
2ft 0.304 ppm
3ft 0.105 ppm
4ft 0.064 ppm

Samples taken at 2ft and 4ft bgs. See sampling form for more information.

Photo(s)

0-2ft bgs

2-4ft bgs

4

Time 10:00

Notes Setting up at SB-12

0-0.5 Brown, sandy loam, some roots, medium, dry, no odor
0.5-1.5 Tannish brown, sand, fine to medium, dry, no odor
1.5-1.75 Blackish brown coarse soil aggregate, no odor, likely fill
1.75-2.5 Tan, clay, fine, dry, no odor
2.5-4 Dark brown fill, medium, moist to wet, no odor

1ft - 0.085 ppm
2ft - 0.067 ppm
3ft - 0.119 ppm
4ft - 0.075 ppm

Samples taken at 2 and 4ft, see sampling form for more information.

Photo(s)

0-2ft bgs

2-4ft

fill

5

Time 10:55

Notes Setting up at SB-8

0-0.5 brown, loam, medium, dry, no odor
0.5-1.5 tannish brown, loamy sand, some cobbles of slate, dry, no odor, likely fill
1.5-4 brown, sand, medium to coarse, some cobbles of slate, dry, no odor, likely fill

1ft - 0.137 ppm
2 ft - 0.122 ppm
3ft - 0.111 ppm
4ft - 0.161 ppm

Samples collected at 2 and 4ft, see sampling form for more details.

Photo(s)

0-2ft bgs

fill

2-4ft bgs

6

Time 11:40

Notes Setting up at SB-9

0-0.5 brown, loam, medium, dry, no odor
0.5-1.5 brown, sandy loam, medium fine, trace cobbles, dry, no odor
1.5-3 tannish brown, sand, medium, dry, no odor
3-4 brown, sand, some cobbles, staining, moist, no odor, likely fill

1ft - 0.058 ppm
2ft - 0.117 ppm
3ft - 0.112 ppm
4ft - 0.132 ppm

Samples taken at 2 and 4ft, see sampling form for more information.

Photo(s)

0-2ft bgs

2-4ft bgs

fill

7

Time 12:20

Notes Stone off site to obtain trash bags

8

Time 13:16

Notes Stone on site

9

Time 13:30

Notes Setting up at SB-10
0-0.5 tannish brown, sandy loam, some roots, medium, dry, no odor
0.5-1 brown, sandy loam, fine to medium, dry, no odor
1-4 tannish brown, clayey sand, trace cobbles, moist, no odor, likely fill

1ft - 0.111 ppm
2ft - 0.139 ppm
3ft - 0.157 ppm
4ft - 0.150 ppm

Samples collected at 2 and 4ft, see sampling form for more information.

Photo(s)

0-2ft

fill

2-4ft

fill

10

Time 14:25

Notes Setting up at SB-1

0-0.5 brown, loam, medium, dry, no odor
0.5-1.75 tannish brown, sand, medium to fine, trace gravel, dry to moist, no odor, likely fill
1.75-3 brownish gray, clay, very fine, moist, no odor
3-4 gray, sand, fine, trace gravel, wet, no odor

1ft - 0.147 ppm
2ft - 0.135 ppm
3ft - 0.135 ppm
4ft - 0.175 ppm

Photo(s)

0-2ft bgs

11

Time 15:10

Notes Collecting SD-5, see sampling form for more information

12

Time 15:20

Notes Packing up, returning UTV to trailer. EOD calibration of PID will be completed at shop

13

Time 15:30

Notes Stone off site

Signature

Project Information

Project Name	203 Country Club Rd
Project Number	20221113
Project Manager	Laura Rajnak
Location	Montpelier VT

Site Information

Date	12-04-2024
Stone Personnel On Site	Serena Veilleux, Rudy Bentlage
Time On Site	07:35
Time Off Site	14:01
Weather	windy, cloudy, 20^{o}
Objectives	Complete sub surface soil sampling
Workplan Deviations	None
Decontamination Procedures	Alcanox scrub, rinse with water

Field Notes

1

Time 07:43

Notes PID calibrated at shop prior to arrival on site, Stone preparing for SB-2 through SB-4

2

Time 08:00

Notes SJV setting up at SB-3, RJB off site to get decon supplies. General sampling procedure as follows: Geoprobe LB tool used to obtain soil cores for logging, then stainless steel auger used to obtain sufficient sample volume at depths. Excess soil used to backfill hole.

3

Time 08:20

Notes RJB on site, began logging SB-3

0-0.5 - brown, loam, some roots, medium fine, dry, no odor
0.5-1 Grey, sand, fine, dry, no odor
1-3 - brown, silty sand, trace gravel, dry, no odor, likely fill
3-4 - brown, sand, trace gravel, dry, no odor

1 - 0.105 ppm
2 - 0.113 ppm
3 - 0.114 ppm
4 - 0.132 ppm

No significant PID hits or visual/ olfactory signs of contamination, samples taken at 2 and 4 ft. See sampling form for more information.

Photo(s)

0-2ft

2-4ft

Sampling location

4

Time 09:30

Notes Setting up at SB-4

0-0.5 brown, loam, some roots, medium fine wet from snow, no odor
0.5-4 tannish brown, sand, fine to medium, dry, no odor
*gray gravel at 3.8 ft, indicative of fill
1ft - 0.107 ppm
2ft - 0.178 ppm
3ft - 0.057 ppm
4ft - 0.099 ppm

No significant PID hits or visual/ olfactory signs of contamination, samples taken at 2 and 4ft. See sampling form for more information.

Photo(s)

0-2ft

2-4ft

gray gravel, 3.8ft

sampling location

5

Time 10:19

Notes Setting up at SB-2

0-0.25 Brown, loam, medium to fine, dry, no odor
0.25-5 Brown, silty sand, fine, dry no odor
0.5-1.25 Brown, sand, some gravel, fine to medium, dry, no odor
1.25-2.75 Light Brown, sand, fine, dry, no odor
2.75-3.25 Brown, loamy sand, fine, dry, no odor
3.25-4 Light Brown, sand, fine, dry, no odor

1ft - 0.151ppm
2ft - 0.188 ppm
3ft - 0.282 ppm
4ft - 0.172 ppm

No significant PID reading or visual/ olfactory signs of contamination, samples taken at 2ft and 4ft. See sampling form for more information.

Photo(s)

0-2ft

2-4ft

sampling location

6

Time 12:14

Notes Setting up at SB-6

0-0.5 Brown, loam, some roots, fine to medium, dry, no odor
0.5-1.25 Brown, loamy sand, fine, dry, no odor
1.25-2.25 Orangey brown, sand, fine, dry, no odor
2.25-4 Tannish brown, sand, medium to fine, dry, no odor

1ft - 0.205 ppm
2ft - 0.232 ppm
3ft - 0.127 ppm
4ft - 0.158 ppm

Samples taken at 2 and 4ft, see sampling form for more information.

Photo(s)

0-2ft

2-4ft

7

Time 12:47

Notes Setting up at SB-7

0-0.5 Brown, loam, some roots, medium to fine, dry, no odor
0.5-1.75 Brown, sandy loam, fine to medium, dry, no odor
1.75-2.5 Orangey brown, sand, fine, dry, no odor
2.5-4 Brown, sand, fine, dry, no odor

1ft - 0.117 ppm
2ft - 0.147 ppm
3ft - 0.079 ppm
4ft - 0.084 ppm

Samples collected at 2 and 4ft, see sampling form for more information.

Photo(s)

0-2ft

2-4ft

8

Time 13:11

Notes Setting up at SB-5

0-0.5 Brown, loam, some roots, fine, dry, no odor
0.5-1.25 Brown, sandy loam, fine, dry, no odor
1.25-2.25 Orangey brown, sand, medium to fine, dry, no odor
2.25-4 Tannish brown, sand, medium to fine, dry, no odor

1ft - 0.148 ppm
2ft - 0.132 ppm
3ft - 0.094 ppm
4ft - 0.087 ppm

Samples collected at 2 and 4ft, see sampling form for more information.

Photo(s)

0-2ft

2-4ft

9

Time 13:40

Notes Sampling completed, Stone cleaning up

10

Time 14:01

Notes Stone off site, EOD PID readings will be completed at the shop.

Signature

STONE ENVIRONMENTAL
100% EMPLOYEE-OWNED

ISM Field Form

Project Information

Project Name	203 Country Club Rd	**Project Number**	20221113
Project Manager	Laura Rajnak	**Project Location**	Montpelier VT

Site Information

Date	11-19-2024	**Decision Unit Start Time**	11:23
Stone Personnel	Jodie Wright, Laura Rajnak	**Decision Unit End Time**	14:15
Sampling Method	Random	**Weather**	45, sunny

Increment Sample Collection

1 **DU-G1-A1**

Soil Description

Same as Previous	No	**Moisture**	Moist
Color	BROWN, TAN	**Odor**	No Odor
Principle Component	SILT	**Depth (")**	10
Tertiary Component	some, fine, Sand	**Notes**	1130

---

2 **DU-G1-A2**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1135

---

3 **DU-G1-A3**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1138

---

4 **DU-G1-A4**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1141

---

5 **DU-G1-A5**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1141

---

6 **DU-G1-A6**

Soil Description

Same as Previous	Yes	**Depth (")**	8
		Notes	1147

---

7 **DU-G1-A7**

Soil Description

Same as Previous	No	**Moisture**	Moist
Color	BROWN	**Odor**	No Odor
Secondary Component	Silty	**Depth (")**	10
Principle Component	SAND	**Notes**	1208

8	DU-G1-A8	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1211
9	DU-G1-A9	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1214
10	DU-G1-A10	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1217
11	DU-G1-A11	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1221
12	DU-G1-A12	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1223
13	DU-G1-A13	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1226
14	DU-G1-A14	**Soil Description**		**Depth (")**	8
		Same as Previous	Yes	**Notes**	1229
15	DU-G1-A15	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1246
16	DU-G1-A16	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1249
17	DU-G1-A17	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1252
18	DU-G1-A18	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1256
19	DU-G1-A19	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1259
20	DU-G1-A20	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1302
21	DU-G1-A21	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1314

22	DU-G1-A22	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1317
23	DU-G1-A23	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1321
24	DU-G1-A24	**Soil Description**		**Moisture**	Moist
		Same as Previous	No	**Odor**	No Odor
		Color	TAN, GRAY	**Depth (")**	10
		Secondary Component	Silty	**Notes**	1337
		Principle Component	SAND		
25	DU-G1-A25	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1342
26	DU-G1-A26	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1345
27	DU-G1-A27	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1348
28	DU-G1-A28	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1353
29	DU-G1-A29	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1358
30	DU-G1-A30	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1400

Laboratory Sample Collection

Sample ID	DU-G1-A
Sample Time	14:07
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-G1-B
Sample Time	14:08
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-G1-C
Sample Time	14:09
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-G1-D
Sample Time	14:04
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1
Notes	ARCHIVE

Sample ID	DU-G1-E
Sample Time	14:03
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1
Notes	ARCHIVE

Signatures

Project Information

Project Name	203 Country Club Rd	**Project Number**	20221113
Project Manager	Laura Rajnak	**Project Location**	Montpelier VT

Site Information

Date	11-19-2024	**Decision Unit Start Time**	14:30
Stone Personnel	Jodie Wright, Chloe Eggert	**Decision Unit End Time**	10:45
Sampling Method	Random	**Weather**	45, sunny
		Notes	Started 11/19, finished 11/20/24

Increment Sample Collection

1 **DU-F1-A1**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	Dark, BROWN	**Odor**	No Odor
Secondary Component	Loamy	**Depth (")**	10
Principle Component	SILT	**Notes**	1438
Tertiary Component	trace, Clay		

---

2 **DU-F1-A2**

Soil Description

Same as Previous	No	**Moisture**	Moist
Color	Dark, BROWN, GRAY	**Odor**	No Odor
Secondary Component	Sandy	**Depth (")**	6
Principle Component	SILT	**Notes**	1443
Tertiary Component	little, fine, Gravel		

---

3 **DU-F1-A3**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	TAN, RED	**Odor**	No Odor
Secondary Component	Silty	**Depth (")**	10
Principle Component	SAND	**Notes**	1446

---

4 **DU-F1-A4**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	Dark	**Odor**	No Odor
Secondary Component	Sandy	**Depth (")**	8
Principle Component	SILT	**Notes**	1457
Tertiary Component	trace, Clay		

---

5 **DU-F1-A5**

Soil Description

Same as Previous	No
Color	GRAY
Secondary Component	Loamy
Principle Component	SILT
Tertiary Component	trace, Clay

Moisture	Moist
Odor	No Odor
Depth (")	8
Notes	1502

---

6 **DU-F1-A6**

Soil Description

Same as Previous	No
Color	Dark, BROWN
Secondary Component	Sandy
Principle Component	SILT
Tertiary Component	trace, Gravel, fine

Moisture	Moist
Odor	No Odor
Depth (")	8
Notes	1521

---

7 **DU-F1-A7**

Soil Description

Same as Previous	Yes

Depth (")	8
Notes	1527

---

8 **DU-F1-A8**

Soil Description

Same as Previous	No
Color	GRAY, TAN
Secondary Component	Silty
Principle Component	LOAM, CLAY
Tertiary Component	trace, fine, Gravel

Moisture	Humid
Odor	No Odor
Depth (")	8
Notes	0728 on 11/20/24

---

9 **DU-F1-A9**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	0733

---

10 **DU-F1-A10**

Soil Description

Same as Previous	No
Color	BROWN
Principle Component	SAND, Fine, Medium
Tertiary Component	little, Silt

Moisture	Humid
Odor	No Odor
Depth (")	10
Notes	0738

---

11 **DU-F1-A11**

Soil Description

Same as Previous	No
Color	TAN
Secondary Component	Silty
Principle Component	CLAY

Moisture	Humid
Odor	No Odor
Depth (")	10
Notes	0743

---

12 **DU-F1-A12**

Soil Description

Same as Previous	No
Color	Dark, BROWN
Secondary Component	Sandy
Principle Component	SILT

Moisture	Humid
Odor	No Odor
Depth (")	10
Notes	0749

---

13 **DU-F1-A13**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	0756

---

14 **DU-F1-A14**

Soil Description

Same as Previous	No
Color	TAN, BROWN
Secondary Component	Sandy
Principle Component	SILT

Moisture	Humid
Odor	No Odor
Depth (")	10
Notes	0823

---

15 **DU-F1-A15**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	0827

---

16 **DU-F1-A16**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	0834

---

17 **DU-F1-A17**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	0839

---

18 **DU-F1-A18**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	0843

---

19 **DU-F1-A19**

Soil Description

Same as Previous	No
Color	Dark, BROWN
Secondary Component	Sandy
Principle Component	SILT
Tertiary Component	trace, fine, Gravel

Moisture	Humid
Odor	No Odor
Depth (")	10
Notes	0904

---

20 **DU-F1-A20**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	0911

---

21 **DU-F1-A21**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	0917

22	DU-F1-A22	Soil Description		Depth (")	10
		Same as Previous	Yes	Notes	0921
23	DU-F1-A23	Soil Description		Depth (")	10
		Same as Previous	Yes	Notes	0927
24	DU-F1-A24	Soil Description		Depth (")	10
		Same as Previous	Yes	Notes	0932
25	DU-F1-A25	Soil Description		Depth (")	10
		Same as Previous	Yes	Notes	0941
26	DU-F1-A26	Soil Description		Depth (")	10
		Same as Previous	Yes	Notes	0945
27	DU-F1-A27	Soil Description		Depth (")	10
		Same as Previous	Yes	Notes	0950
28	DU-F1-A28	Soil Description		Depth (")	10
		Same as Previous	Yes	Notes	0956
29	DU-F1-A29	Soil Description		Depth (")	10
		Same as Previous	Yes	Notes	1001
30	DU-F1-A30	Soil Description		Depth (")	10
		Same as Previous	Yes	Notes	1007

Laboratory Sample Collection

Sample ID	DU-F1-A
Sample Time	10:18
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

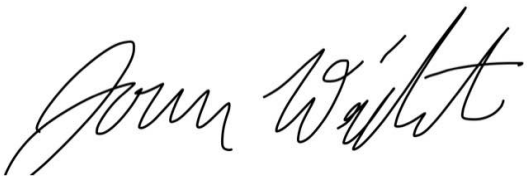
Sample ID	DU-F1-B
Sample Time	10:35
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-F1-C
Sample Time	10:40
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-F1-D
Sample Time	10:33
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1
Notes	ARCHIVE

Sample ID	DU-F1-E
Sample Time	10:34
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1
Notes	ARCHIVE

Signatures



STONE ENVIRONMENTAL
100% EMPLOYEE-OWNED

ISM Field Form

Project Information

Project Name	203 Country Club Road	**Project Number**	20221113
Project Manager	Laura Rajnak	**Project Location**	Montpelier VT

Site Information

Date	11-19-2024	**Decision Unit Start Time**	07:45
Stone Personnel	Laura Rajnak, Jodie Wright	**Decision Unit End Time**	10:45
Sampling Method	Random	**Weather**	38 cloudy
PID Serial Number (if applicable)	NA		

Increment Sample Collection

1 **DU-T1-A1**

Soil Description

Same as Previous	No	**Moisture**	Moist
Color	BROWN	**Odor**	No Odor
Secondary Component	Silty	**Depth (")**	8
Principle Component	SAND, Fine	**Notes**	TIME 810

2 **DU-T1-A2**

Soil Description

Same as Previous	Yes	**Depth (")**	6
		Notes	811

3 **DU-T1-A3**

Soil Description

Same as Previous	No	**Moisture**	Moist
Color	BROWN, RED	**Odor**	No Odor
Principle Component	SAND, Fine, Medium	**Depth (")**	10
Tertiary Component	some, Silt	**Notes**	812

4 **DU-T1-A4**

Soil Description

Same as Previous	No	**Moisture**	Moist
Color	TAN, BROWN	**Odor**	No Odor
Principle Component	Fine, Medium, SAND	**Depth (")**	8
Tertiary Component	trace, Silt	**Notes**	819

5 **DU-T1-A5**

Soil Description

Same as Previous	Yes	**Depth (")**	6
		Notes	823

6 **DU-T1-A6**

Soil Description

Same as Previous	Yes	**Depth (")**	6
		Notes	826

7 DU-T1-A7

Soil Description

Same as Previous	No	**Moisture**	Moist
Color	BROWN, RED, TAN	**Odor**	No Odor
Principle Component	Fine, Medium, SAND	**Depth (")**	10
Tertiary Component	some, Silt	**Notes**	831

8 DU-T1-A8

Soil Description

Same as Previous	No	**Moisture**	Moist
Color	BROWN, TAN	**Odor**	No Odor
Secondary Component	Silty	**Depth (")**	6
Principle Component	SAND, Fine, Medium		

9 DU-T1-A9

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	838

10 DU-T1-A10

Soil Description

Same as Previous	Yes	**Depth (")**	6
		Notes	842

11 DU-T1-A11

Soil Description

Same as Previous	No	**Moisture**	Moist
Color	BROWN, TAN	**Odor**	No Odor
Secondary Component	Silty	**Depth (")**	6
Principle Component	Fine, SAND	**Notes**	853

12 DU-T1-A12

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	857

13 DU-T1-A13

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	900-

14 DU-T1-A14

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	905

15 DU-T1-A15

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	909

16 DU-T1-A16

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	914

17 **DU-T1-A17**

Soil Description

Same as Previous	No
Color	Dark, BROWN
Secondary Component	Sandy
Principle Component	SILT
Tertiary Component	trace, fine, Gravel

Moisture	Moist
Odor	No Odor
Depth (")	6
Notes	920

---

18 **DU-T1-A18**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	923

---

19 **DU-T1-A19**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	934

---

20 **DU-T1-A20**

Soil Description

Same as Previous	No
Color	Dark, BROWN
Secondary Component	Silty
Principle Component	SAND
Tertiary Component	some, fine, medium, Sand

Moisture	Moist
Odor	No Odor
Depth (")	10
Notes	937

---

21 **DU-T1-A21**

Soil Description

Same as Previous	No
Color	Dark, BROWN
Secondary Component	Sandy
Principle Component	SILT

Moisture	Moist
Odor	No Odor
Depth (")	10
Notes	953

---

22 **DU-T1-A22**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	956

---

23 **DU-T1-A23**

Soil Description

Same as Previous	No
Color	Dark, BROWN
Secondary Component	Sandy
Principle Component	SILT

Moisture	Moist
Odor	No Odor
Depth (")	10
Notes	1004

---

24 **DU-T1-A24**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	1007

---

25 **DU-T1-A25**

Soil Description

Same as Previous	Yes

Depth (")	8
Notes	1010

---

26 **DU-T1-A26**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1012

27 **DU-T1-A27**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1015

28 **DU-T1-A28**

Soil Description

Same as Previous	No	**Moisture**	Moist
Color	Dark, BROWN	**Odor**	No Odor
Secondary Component	Sandy	**Depth (")**	10
Principle Component	SILT	**Notes**	1023
Tertiary Component	some, fine, medium, Sand		

29 **DU-T1-A29**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1026

30 **DU-T1-A30**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1029

Laboratory Sample Collection

Sample ID	DU-T1-A
Sample Time	10:39
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-T1-B
Sample Time	10:40
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-T1-C
Sample Time	10:38
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-T1-D
Sample Time	10:32
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1
Notes	ARCHIVE

Signatures

STONE ENVIRONMENTAL
100% EMPLOYEE-OWNED

ISM Field Form

Project Information

Project Name	203 Country Club Rd	**Project Number**	20221113
Project Manager	Laura Rajnak	**Project Location**	Montpelier VT

Site Information

Date	11-20-2024	**Decision Unit Start Time**	10:52
Stone Personnel	Jodie Wright, Chloe Eggert	**Decision Unit End Time**	14:30
Sampling Method	Random	**Weather**	45, overcast

Increment Sample Collection

1 **DU-T2-A1**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	Dark, BROWN	**Odor**	No Odor
Secondary Component	Silty	**Depth (")**	10
Principle Component	SAND, Fine	**Notes**	1059
Tertiary Component	trace, fine, Gravel		

---

2 **DU-T2-A2**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1102

---

3 **DU-T2-A3**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1105

---

4 **DU-T2-A4**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	TAN	**Odor**	No Odor
Secondary Component	Sandy	**Depth (")**	10
Principle Component	SILT	**Notes**	1109
Tertiary Component	some, fine, Sand		

---

5 **DU-T2-A5**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1114

---

6 **DU-T2-A6**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1118

---

7 **DU-T2-A7**

Soil Description

Same as Previous	No
Color	BROWN
Secondary Component	Loamy
Principle Component	SILT
Tertiary Component	trace, coarse, Sand

Moisture	Humid
Odor	No Odor
Depth (")	8
Notes	1122

---

8 **DU-T2-A8**

Soil Description

Same as Previous	No
Color	BROWN, GRAY
Secondary Component	Sandy
Principle Component	SILT
Tertiary Component	little, fine, Sand

Moisture	Humid
Odor	No Odor
Depth (")	8
Notes	1126

---

9 **DU-T2-A9**

Soil Description

Same as Previous	No
Color	TAN
Principle Component	SAND, Fine
Tertiary Component	trace, Silt

Moisture	Humid
Odor	No Odor
Depth (")	10
Notes	LITTLE LOAM. 1131

---

10 **DU-T2-A10**

Soil Description

Same as Previous	No
Color	TAN
Secondary Component	Loamy
Principle Component	SILT
Tertiary Component	little, fine, Sand

Moisture	Humid
Odor	No Odor
Depth (")	10
Notes	1211

---

11 **DU-T2-A11**

Soil Description

Same as Previous	No
Color	RED, TAN
Secondary Component	Loamy
Principle Component	SAND, Fine
Tertiary Component	trace, Silt

Moisture	Humid
Odor	No Odor
Depth (")	10
Notes	1216

---

12 **DU-T2-A12**

Soil Description

Same as Previous	No
Color	BROWN, Dark
Secondary Component	Loamy
Principle Component	SILT
Tertiary Component	trace, fine, Sand

Moisture	Humid
Odor	No Odor
Depth (")	10
Notes	1220

---

13 DU-T2-A13

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1225

14 DU-T2-A14

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1230

15 DU-T2-A15

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN, GRAY	**Odor**	No Odor
Secondary Component	Loamy	**Depth (")**	10
Principle Component	SILT	**Notes**	1234
Tertiary Component	some, fine, Sand		

16 DU-T2-A16

Soil Description

Same as Previous	No	**Moisture**	Moist
Color	BROWN	**Odor**	No Odor
Secondary Component	Loamy	**Depth (")**	10
Principle Component	SILT	**Notes**	1256
Tertiary Component	trace, fine, Gravel		

17 DU-T2-A17

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1259

18 DU-T2-A18

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1303

19 DU-T2-A19

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN	**Odor**	No Odor
Secondary Component	Silty	**Depth (")**	10
Principle Component	Fine, SAND	**Notes**	1306
Tertiary Component	little, medium, Sand		

20 DU-T2-A20

Soil Description

Same as Previous	No	**Moisture**	Moist
Color	BROWN	**Odor**	No Odor
Secondary Component	Loamy	**Depth (")**	10
Principle Component	SILT	**Notes**	1310

21 **DU-T2-A21**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN	**Odor**	No Odor
Secondary Component	Sandy	**Depth (")**	10
Principle Component	SILT	**Notes**	1317
Tertiary Component	some, medium, Sand		

22 **DU-T2-A22**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1320

23 **DU-T2-A23**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1323

24 **DU-T2-A24**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	Dark, BROWN	**Odor**	No Odor
Secondary Component	Loamy	**Depth (")**	10
Principle Component	SILT	**Notes**	1329
Tertiary Component	trace, fine, Gravel		

25 **DU-T2-A25**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1334

26 **DU-T2-A26**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1341

27 **DU-T2-A27**

Soil Description

Same as Previous	Yes	**Depth (")**	8
		Notes	1345

28 **DU-T2-A28**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	GRAY, BROWN	**Odor**	No Odor
Principle Component	SILT	**Depth (")**	10
Tertiary Component	little, Clay	**Notes**	1402

29 **DU-T2-A29**

Soil Description

Same as Previous	Yes	**Depth (")**	8
		Notes	1406

30 **DU-T2-A30**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1410

Laboratory Sample Collection

Sample ID	DU-T2-A
Sample Time	14:22
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-T2-B
Sample Time	14:18
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-T2-C
Sample Time	14:26
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-T2-D
Sample Time	14:27
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1
Notes	ARCHIVE

Sample ID	DU-T2-E
Sample Time	14:28
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1
Notes	ARCHIVE

Signatures

Project Information

Project Name	203 Country Club Rd	**Project Number**	20221113
Project Manager	Laura Rajnak	**Project Location**	Montpelier VT

Site Information

Date	11-20-2024	**Decision Unit Start Time**	14:45
Stone Personnel	Jodie Wright, Chloe Eggert, Serena Veilleux	**Decision Unit End Time**	09:20
Sampling Method	Random	**Weather**	50, sunny
		Notes	Started 11/20/24, finished 11/21/24

Increment Sample Collection

1 **DU-G2-A1**

Soil Description

Same as Previous	No	**Moisture**	Moist
Color	BROWN	**Odor**	No Odor
Secondary Component	Sandy	**Depth (")**	10
Principle Component	SILT, Fine, Very Fine	**Notes**	1452
Tertiary Component	little, Sand		

---

2 **DU-G2-A2**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1456

---

3 **DU-G2-A3**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1459

---

4 **DU-G2-A4**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1503

---

5 **DU-G2-A5**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1507

---

6 **DU-G2-A6**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1510

---

7 **DU-G2-A7**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1513

---

8 **DU-G2-A8**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1516

---

9 **DU-G2-A9**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1535

---

10 **DU-G2-A10**

Soil Description

Same as Previous	Yes	**Depth (")**	8
		Notes	1539

11 **DU-G2-A11**

Soil Description

Same as Previous	Yes	**Depth (")**	8
		Notes	1542

12 **DU-G2-A12**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN	**Odor**	No Odor
Principle Component	Fine, Medium, SAND	**Depth (")**	8
Tertiary Component	little, Silt	**Notes**	1547

13 **DU-G2-A13**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN	**Odor**	No Odor
Principle Component	SAND, Fine, Medium	**Depth (")**	10
Tertiary Component	trace, Silt	**Notes**	0745

14 **DU-G2-A14**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	0756

15 **DU-G2-A15**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	0800

16 **DU-G2-A16**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	0803

17 **DU-G2-A17**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	0809

18 **DU-G2-A18**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	TAN, BROWN	**Odor**	No Odor
Principle Component	Fine, Medium, SAND	**Depth (")**	10
Tertiary Component	trace, Silt	**Notes**	0820

19 **DU-G2-A19**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	0823

20 **DU-G2-A20**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	0826

21 **DU-G2-A21**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	0830

22	DU-G2-A22	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	0838
23	DU-G2-A23	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	0837
24	DU-G2-A24	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	0841
25	DU-G2-A25	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	0844
26	DU-G2-A26	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	0848
27	DU-G2-A27	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	0852
28	DU-G2-A28	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	0856
29	DU-G2-A29	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	0859
30	DU-G2-A30	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	0902

Laboratory Sample Collection

Sample ID	DU-G2-A
Sample Time	09:06
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-G2-B
Sample Time	09:05
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-G2-C
Sample Time	09:04
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-G2-D
Sample Time	09:05
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1
Notes	Archive

Sample ID	DU-G2-E
Sample Time	09:05
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1
Notes	Archive

Signatures

Project Information

Project Name	203 Country Club Rd	**Project Number**	20221113
Project Manager	Laura Rajnak	**Project Location**	Montpelier VT

Site Information

Date	11-21-2024	**Decision Unit Start Time**	15:25
Stone Personnel	Jodie Wright, Chloe Eggert	**Decision Unit End Time**	10:30
Sampling Method	Random	**Weather**	45, raining
		Notes	Started 11/21, finished 11/22/24

Increment Sample Collection

1 **DU-T3-A1**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN	**Odor**	No Odor
Secondary Component	Loamy	**Depth (")**	10
Principle Component	SILT	**Notes**	1528
Tertiary Component	trace, fine, Gravel		

---

2 **DU-T3-A2**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1536

---

3 **DU-T3-A3**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1539

---

4 **DU-T3-A4**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1542

---

5 **DU-T3-A5**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1545

---

6 **DU-T3-A6**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN	**Odor**	No Odor
Secondary Component	Loamy	**Depth (")**	10
Principle Component	SILT	**Notes**	0733
Tertiary Component	trace, fine, Gravel		

---

7 **DU-T3-A7**

Soil Description

Same as Previous	No
Color	TAN
Secondary Component	Loamy
Principle Component	SAND, Fine, Medium
Tertiary Component	some, medium, Sand

Moisture	Humid
Odor	No Odor
Depth (")	10
Notes	0736

---

8 **DU-T3-A8**

Soil Description

Same as Previous	No
Color	Dark, BROWN
Secondary Component	Loamy
Principle Component	SILT
Tertiary Component	trace, fine, Gravel

Moisture	Humid
Odor	No Odor
Depth (")	8
Notes	0741

---

9 **DU-T3-A9**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	0745

---

10 **DU-T3-A10**

Soil Description

Same as Previous	No
Color	TAN
Secondary Component	Loamy
Principle Component	SAND, Fine, Medium
Tertiary Component	trace, Silt

Moisture	Humid
Odor	No Odor
Depth (")	10
Notes	0749

---

11 **DU-T3-A11**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	0753

---

12 **DU-T3-A12**

Soil Description

Same as Previous	No
Color	BROWN
Secondary Component	Loamy
Principle Component	SILT
Tertiary Component	little, fine, medium, Sand

Moisture	Humid
Odor	No Odor
Depth (")	10
Notes	0804

---

13 **DU-T3-A13**

Soil Description

Same as Previous	No
Color	GRAY
Principle Component	SILT
Tertiary Component	trace, Clay

Moisture	Humid
Odor	No Odor
Depth (")	10
Notes	0826

---

14 **DU-T3-A14**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	0832

---

15 DU-T3-A15

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN	**Odor**	No Odor
Secondary Component	Loamy	**Depth (")**	10
Principle Component	SILT	**Notes**	0836
Tertiary Component	trace, fine, Gravel		

---

16 DU-T3-A16

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	0840

---

17 DU-T3-A17

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	TAN	**Odor**	No Odor
Principle Component	SAND, Fine	**Depth (")**	10
Tertiary Component	little, Sand, Silt	**Notes**	0843

---

18 DU-T3-A18

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	0847

---

19 DU-T3-A19

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	0850

---

20 DU-T3-A20

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	0854

---

21 DU-T3-A21

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN	**Odor**	No Odor
Secondary Component	Loamy	**Depth (")**	10
Principle Component	SILT	**Notes**	0859

---

22 DU-T3-A22

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	TAN	**Odor**	No Odor
Principle Component	SAND, Fine	**Depth (")**	10
Tertiary Component	little, Sand, Silt	**Notes**	0905

---

23 DU-T3-A23

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN	**Odor**	No Odor
Secondary Component	Loamy	**Depth (")**	10
Principle Component	SILT	**Notes**	0928
Tertiary Component	little, fine, Sand		

24	DU-T3-A24	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	0932
25	DU-T3-A25	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	0940
26	DU-T3-A26	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	0945
27	DU-T3-A27	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	0949
28	DU-T3-A28	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	0953
29	DU-T3-A29	**Soil Description**		**Moisture**	Humid
		Same as Previous	No	**Odor**	No Odor
		Color	BROWN	**Depth (")**	10
		Secondary Component	Loamy	**Notes**	1010
		Principle Component	SILT		
		Tertiary Component	little, fine, Sand		
30	DU-T3-A30	**Soil Description**		**Moisture**	Humid
		Same as Previous	No	**Odor**	No Odor
		Color	BROWN	**Depth (")**	10
		Secondary Component	Loamy	**Notes**	1013
		Principle Component	Fine, SAND		
		Tertiary Component	little, Silt		

Laboratory Sample Collection

Sample ID	DU-T3-A
Sample Time	10:20
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-T3-B
Sample Time	10:21
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-T3-C
Sample Time	10:22
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-T3-D
Sample Time	10:23
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1
Notes	ARCHIVE

Sample ID	DU-T3-D
Sample Time	10:24
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1
Notes	ARCHIVE

Signatures

STONE ENVIRONMENTAL
100% EMPLOYEE-OWNED

Project Information

Project Name	203 Country Club Rd	**Project Number**	20221113
Project Manager	Laura Rajnak	**Project Location**	Montpelier VT

Site Information

Date	11-21-2024	**Decision Unit Start Time**	10:04
Stone Personnel	Jodie Wright, Chloe Eggert	**Decision Unit End Time**	15:15
Sampling Method	Random	**Weather**	40, overcast

Increment Sample Collection

1 **DU-F2-A1**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	Dark, BROWN	**Odor**	No Odor
Secondary Component	Loamy	**Depth (")**	4
Principle Component	CLAY, SILT	**Notes**	1002

2 **DU-F2-A2**

Soil Description

Same as Previous	Yes	**Depth (")**	6
		Notes	1007

3 **DU-F2-A3**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1012

4 **DU-F2-A4**

Soil Description

Same as Previous	No	**Moisture**	Moist
Color	Dark, BROWN	**Odor**	No Odor
Secondary Component	Loamy	**Depth (")**	6
Principle Component	SILT	**Notes**	1021
Tertiary Component	trace, Clay		

5 **DU-F2-A5**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1025

6 **DU-F2-A6**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1029

7 **DU-F2-A7**

Soil Description

Same as Previous	Yes	**Depth (")**	6
		Notes	1034

8 DU-F2-A8

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1038

9 DU-F2-A9

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1046

10 DU-F2-A10

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	GRAY	**Odor**	No Odor
Principle Component	SILT	**Depth (")**	10
Tertiary Component	little, Clay	**Notes**	1051

11 DU-F2-A11

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN, GRAY	**Odor**	No Odor
Secondary Component	Loamy	**Depth (")**	10
Principle Component	SILT	**Notes**	1056
Tertiary Component	trace		

12 DU-F2-A12

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN	**Odor**	No Odor
Secondary Component	Loamy	**Depth (")**	10
Principle Component	SAND	**Notes**	1113
Tertiary Component	little, Silt		

13 DU-F2-A13

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1118

14 DU-F2-A14

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1124

15 DU-F2-A15

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1131

16 DU-F2-A16

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	TAN	**Odor**	No Odor
Secondary Component	Sandy	**Depth (")**	10
Principle Component	SILT	**Notes**	1231

17 DU-F2-A17

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1237

18 DU-F2-A18

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1242

19 DU-F2-A19

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1247

20 DU-F2-A20

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1256

21 DU-F2-A21

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN	**Odor**	No Odor
Secondary Component	Loamy	**Depth (")**	10
Principle Component	SILT	**Notes**	1302
Tertiary Component	trace, fine, Gravel		

22 DU-F2-A22

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1307

23 DU-F2-A23

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1313

24 DU-F2-A24

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	GRAY	**Odor**	No Odor
Secondary Component	Loamy	**Depth (")**	6
Principle Component	SILT, CLAY	**Notes**	1341

25 DU-F2-A25

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	GRAY	**Odor**	No Odor
Principle Component	SILT	**Depth (")**	10
Tertiary Component	trace, fine, Sand	**Notes**	1358

26 DU-F2-A26

Soil Description

Same as Previous	Yes	**Depth (")**	8
		Notes	1402

27 **DU-F2-A27**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN, GRAY	**Odor**	No Odor
Principle Component	SILT	**Depth (")**	10
Tertiary Component	trace, Clay	**Notes**	1419

28 **DU-F2-A28**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN	**Odor**	No Odor
Secondary Component	Loamy	**Depth (")**	10
Principle Component	SILT	**Notes**	1423

29 **DU-F2-A29**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1438

30 **DU-F2-A30**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1441

Laboratory Sample Collection

Sample ID	DU-F2-A
Sample Time	14:50
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-F2-B
Sample Time	14:51
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-F2-C
Sample Time	14:52
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-F2-D
Sample Time	14:55
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1
Notes	ARCHIVE

Sample ID	DU-F2-E
Sample Time	14:55
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1
Notes	ARCHIVE

Signatures

Project Information

Project Name	203 Country Club Rd	**Project Number**	20221113
Project Manager	Laura Rajnak	**Project Location**	Montpelier VT

Site Information

Date	11-22-2024	**Decision Unit Start Time**	10:45
Stone Personnel	Jodie Wright, Chloe Eggert	**Decision Unit End Time**	14:15
Sampling Method	Random	**Weather**	45, sunny, windy

Increment Sample Collection

1 **DU-G3-A1**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN, TAN	**Odor**	No Odor
Principle Component	Fine, Medium, SAND	**Depth (")**	10
Tertiary Component	trace, Silt	**Notes**	1055

2 **DU-G3-A2**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1059

3 **DU-G3-A3**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1102

4 **DU-G3-A4**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1106

5 **DU-G3-A5**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1109

6 **DU-G3-A6**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1113

7 **DU-G3-A7**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1116

8 **DU-G3-A8**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1119

9 **DU-G3-A9**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1137

10	DU-G3-A10	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1143
11	DU-G3-A11	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1147
12	DU-G3-A12	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1150
13	DU-G3-A13	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1154
14	DU-G3-A14	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1158
15	DU-G3-A15	**Soil Description**		**Moisture**	Humid
		Same as Previous	No	**Odor**	No Odor
		Color	BROWN	**Depth (")**	10
		Secondary Component	Loamy	**Notes**	1202
		Principle Component	SILT		
		Tertiary Component	trace, Sand, fine		
16	DU-G3-A16	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1206
17	DU-G3-A17	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1209
18	DU-G3-A18	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1212
19	DU-G3-A19	**Soil Description**		**Moisture**	Humid
		Same as Previous	No	**Odor**	No Odor
		Color	TAN	**Depth (")**	10
		Secondary Component	Loamy	**Notes**	1309
		Principle Component	Fine, SAND		
20	DU-G3-A20	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1314

21 **DU-G3-A21**

Soil Description

Same as Previous	No
Color	BROWN, TAN
Secondary Component	Loamy
Principle Component	SAND, Medium
Tertiary Component	little, Silt

Moisture	Humid
Odor	No Odor
Depth (")	10
Notes	1317

---

22 **DU-G3-A22**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	1321

---

23 **DU-G3-A23**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	1324

---

24 **DU-G3-A24**

Soil Description

Same as Previous	No
Color	BROWN
Secondary Component	Silty
Principle Component	SAND, Fine, Medium, Coarse
Tertiary Component	trace, fine, Gravel

Moisture	Humid
Odor	No Odor
Depth (")	10
Notes	1328

---

25 **DU-G3-A25**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	1331

---

26 **DU-G3-A26**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	1334

---

27 **DU-G3-A27**

Soil Description

Same as Previous	No
Color	BROWN
Secondary Component	Silty
Principle Component	Fine, Medium, SAND

Moisture	Humid
Odor	No Odor
Depth (")	10
Notes	1350

---

28 **DU-G3-A28**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	1354

---

29 **DU-G3-A29**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	1356

---

30 **DU-G3-A30**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	1400

Laboratory Sample Collection

Sample ID	DU-G3-A
Sample Time	14:10
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-G3-B
Sample Time	14:11
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-G3-C
Sample Time	14:12
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-G3-D
Sample Time	14:13
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1
Notes	ARCHIVE

Sample ID	DU-G3-E
Sample Time	14:14
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1
Notes	ARCHIVE

Signatures

STONE ENVIRONMENTAL
100% EMPLOYEE-OWNED

ISM Field Form

Project Information

Project Name	203 Country Club Rd	**Project Number**	20221113
Project Manager	Laura Rajnak	**Project Location**	Montpelier VT

Site Information

Date	11-22-2024	**Decision Unit Start Time**	10:45
Stone Personnel	Jodie Wright, Chloe Eggert	**Decision Unit End Time**	14:15
Sampling Method	Random	**Weather**	45, sunny, windy

Increment Sample Collection

1 **DU-G3-A1**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN, TAN	**Odor**	No Odor
Principle Component	Fine, Medium, SAND	**Depth (")**	10
Tertiary Component	trace, Silt	**Notes**	1055

---

2 **DU-G3-A2**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1059

---

3 **DU-G3-A3**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1102

---

4 **DU-G3-A4**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1106

---

5 **DU-G3-A5**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1109

---

6 **DU-G3-A6**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1113

---

7 **DU-G3-A7**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1116

---

8 **DU-G3-A8**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1119

---

9 **DU-G3-A9**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1137

10	DU-G3-A10	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1143
11	DU-G3-A11	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1147
12	DU-G3-A12	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1150
13	DU-G3-A13	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1154
14	DU-G3-A14	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1158
15	DU-G3-A15	**Soil Description**		**Moisture**	Humid
		Same as Previous	No	**Odor**	No Odor
		Color	BROWN	**Depth (")**	10
		Secondary Component	Loamy	**Notes**	1202
		Principle Component	SILT		
		Tertiary Component	trace, Sand, fine		
16	DU-G3-A16	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1206
17	DU-G3-A17	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1209
18	DU-G3-A18	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1212
19	DU-G3-A19	**Soil Description**		**Moisture**	Humid
		Same as Previous	No	**Odor**	No Odor
		Color	TAN	**Depth (")**	10
		Secondary Component	Loamy	**Notes**	1309
		Principle Component	Fine, SAND		
20	DU-G3-A20	**Soil Description**		**Depth (")**	10
		Same as Previous	Yes	**Notes**	1314

21 **DU-G3-A21**

Soil Description

Same as Previous	No
Color	BROWN, TAN
Secondary Component	Loamy
Principle Component	SAND, Medium
Tertiary Component	little, Silt

Moisture	Humid
Odor	No Odor
Depth (")	10
Notes	1317

---

22 **DU-G3-A22**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	1321

---

23 **DU-G3-A23**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	1324

---

24 **DU-G3-A24**

Soil Description

Same as Previous	No
Color	BROWN
Secondary Component	Silty
Principle Component	SAND, Fine, Medium, Coarse
Tertiary Component	trace, fine, Gravel

Moisture	Humid
Odor	No Odor
Depth (")	10
Notes	1328

---

25 **DU-G3-A25**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	1331

---

26 **DU-G3-A26**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	1334

---

27 **DU-G3-A27**

Soil Description

Same as Previous	No
Color	BROWN
Secondary Component	Silty
Principle Component	Fine, Medium, SAND

Moisture	Humid
Odor	No Odor
Depth (")	10
Notes	1350

---

28 **DU-G3-A28**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	1354

---

29 **DU-G3-A29**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	1356

---

30 **DU-G3-A30**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	1400

Laboratory Sample Collection

Sample ID	DU-G3-A
Sample Time	14:10
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-G3-B
Sample Time	14:11
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-G3-C
Sample Time	14:12
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-G3-D
Sample Time	14:13
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1
Notes	ARCHIVE

Sample ID	DU-G3-E
Sample Time	14:14
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1
Notes	ARCHIVE

Signatures

Project Information

Project Name	203 Country Club Rd	**Project Number**	20221113
Project Manager	Laura Rajnak	**Project Location**	Montpelier VT

Site Information

Date	11-22-2024	**Decision Unit Start Time**	14:47
Stone Personnel	Jodie Wright, Chloe Eggert	**Decision Unit End Time**	10:00
Sampling Method	Random	**Weather**	40, overcast
		Notes	Started 11/22, finished 11/25/24

Increment Sample Collection

1 **DU-F3-A1**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN	**Odor**	No Odor
Secondary Component	Loamy	**Depth (")**	8
Principle Component	SILT	**Notes**	1446
Tertiary Component	little, fine, medium, Gravel		

---

2 **DU-F3-A2**

Soil Description

Same as Previous	Yes	**Depth (")**	8
		Notes	1451

---

3 **DU-F3-A3**

Soil Description

Same as Previous	Yes	**Depth (")**	8
		Notes	1454

---

4 **DU-F3-A4**

Soil Description

Same as Previous	Yes	**Depth (")**	8
		Notes	1459

---

5 **DU-F3-A5**

Soil Description

Same as Previous	Yes	**Depth (")**	8
		Notes	1504

---

6 **DU-F3-A6**

Soil Description

Same as Previous	Yes	**Depth (")**	6
		Notes	1508

---

7 **DU-F3-A7**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	1514

---

8 **DU-F3-A8**

Soil Description

Same as Previous	Yes	**Depth (")**	8
		Notes	1527

---

9 **DU-F3-A9**

Soil Description

Same as Previous	Yes	**Depth (")**	8
		Notes	1530

---

10 **DU-F3-A10**

Soil Description

Same as Previous	Yes	**Depth (")**	8
		Notes	1541

11 **DU-F3-A11**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	GRAY	**Odor**	No Odor
Secondary Component	Silty	**Depth (")**	10
Principle Component	CLAY	**Notes**	0731

12 **DU-F3-A12**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN	**Odor**	No Odor
Secondary Component	Loamy	**Depth (")**	10
Principle Component	SILT	**Notes**	0735
Tertiary Component	trace, fine, Gravel		

13 **DU-F3-A13**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	0740

14 **DU-F3-A14**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BLACK	**Odor**	No Odor
Secondary Component	Loamy	**Depth (")**	10
Principle Component	SAND	**Notes**	0750

15 **DU-F3-A15**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	0755

16 **DU-F3-A16**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		Notes	0758

17 **DU-F3-A17**

Soil Description

Same as Previous	No	**Odor**	No Odor
Color	BROWN	**Depth (")**	6
Secondary Component	Loamy	**Notes**	0814
Principle Component	SILT		
Tertiary Component	some, fine, medium, Gravel		

18 **DU-F3-A18**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN	**Odor**	No Odor
Secondary Component	Loamy	**Depth (")**	8
Principle Component	SAND, Medium, Coarse	**Notes**	0818
Tertiary Component	little, fine, Gravel		

19 **DU-F3-A19**

Soil Description

Same as Previous	No
Color	BROWN
Secondary Component	Loamy
Principle Component	SILT
Tertiary Component	little, fine, Gravel

Moisture	Humid
Odor	No Odor
Depth (")	6
Notes	0822

---

20 **DU-F3-A20**

Soil Description

Same as Previous	No
Color	GRAY
Secondary Component	Sandy
Principle Component	SILT
Tertiary Component	little, Clay

Moisture	Humid
Odor	No Odor
Depth (")	8
Notes	0831

---

21 **DU-F3-A21**

Soil Description

Same as Previous	Yes

Depth (")	10
Notes	0835

---

22 **DU-F3-A22**

Soil Description

Same as Previous	No
Color	TAN, RED
Principle Component	Fine, Medium, Coarse, SAND
Tertiary Component	little, fine, medium, Gravel

Moisture	Moist
Odor	No Odor
Depth (")	8
Notes	0839

---

23 **DU-F3-A23**

Soil Description

Same as Previous	No
Color	BROWN
Secondary Component	Loamy
Principle Component	SILT
Tertiary Component	little, fine, Gravel

Moisture	Humid
Odor	No Odor
Depth (")	8
Notes	0844

---

24 **DU-F3-A24**

Soil Description

Same as Previous	Yes

Depth (")	6
Notes	0849

---

25 **DU-F3-A25**

Soil Description

Same as Previous	Yes

Depth (")	8
Notes	0858

---

26 **DU-F3-A26**

Soil Description

Same as Previous	Yes

Depth (")	6
Notes	0903

---

27 **DU-F3-A27**

Soil Description

Same as Previous	Yes

Depth (")	8
Notes	0908

---

28 **DU-F3-A28**

Soil Description

Same as Previous	Yes

Depth (")	8
Notes	0914

---

29 **DU-F3-A29**

Soil Description

Same as Previous	Yes

Depth (")	8
Notes	0919

30 **DU-F3-A30**

Soil Description

Same as Previous	No
Color	BROWN
Secondary Component	Loamy
Principle Component	SILT
Tertiary Component	trace, fine, Gravel

Moisture	Humid
Odor	No Odor
Depth (")	10
Notes	0923

Laboratory Sample Collection

Sample ID	DU-F3-A
Sample Time	09:45
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-F3-B
Sample Time	09:46
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-F3-C
Sample Time	09:47
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1

Sample ID	DU-F3-D
Sample Time	09:48
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1
Notes	ARCHIVE

Sample ID	DU-F3-E
Sample Time	09:49
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081
Number of Containers	1
Notes	ARCHIVE

Signatures

Project Information

Project Name	203 Country Club Rd	**Project Number**	20221113
Project Manager	Laura Rajnak	**Project Location**	Montpelier VT

Site Information

Date	11-25-2024	**Decision Unit Start Time**	11:00
Stone Personnel	Chloe Eggert, Jodie Wright	**Decision Unit End Time**	16:00
Sampling Method	Random	**Weather**	35, sunny

Increment Sample Collection

1 **DU-M1-A1**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	RED, TAN	**Odor**	No Odor
Secondary Component	Gravelly	**Depth (")**	6
Principle Component	SAND, Fine, Medium	**PID Value**	0.10
		Notes	1136

---

2 **DU-M1-A2**

Soil Description

Same as Previous	Yes	**Depth (")**	8
		PID Value	0.10
		Notes	1141

---

3 **DU-M1-A3**

Soil Description

Same as Previous	Yes	**Depth (")**	6
		PID Value	0.10
		Notes	1145

---

4 **DU-M1-A4**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		PID Value	0.20
		Notes	1150

---

5 **DU-M1-A5**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	RED, TAN	**Odor**	No Odor
Principle Component	SAND, Fine, Medium	**Depth (")**	10
Tertiary Component	trace, fine, Gravel	**PID Value**	0.20
		Notes	1153

---

6 **DU-M1-A6**

Soil Description

Same as Previous	Yes	**Depth (")**	8
		PID Value	0.20
		Notes	1204

---

7 **DU-M1-A7**

Soil Description

Same as Previous	Yes	**Depth (")**	8
		PID Value	0.20
		Notes	1257

---

8 **DU-M1-A8**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN, TAN	**Odor**	No Odor
Principle Component	Fine, Medium, SAND	**Depth (")**	8
Tertiary Component	trace, fine, Gravel	**PID Value**	0.10
		Notes	1310

---

9 **DU-M1-A9**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN	**Odor**	No Odor
Secondary Component	Gravelly	**Depth (")**	8
Principle Component	Fine, Medium, SAND	**PID Value**	0.10
		Notes	1322

---

10 **DU-M1-A10**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	TAN	**Odor**	No Odor
Principle Component	Medium, SAND	**Depth (")**	8
Tertiary Component	trace, fine, Gravel	**PID Value**	0.10
		Notes	1326

---

11 **DU-M1-A11**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN	**Odor**	No Odor
Secondary Component	Loamy	**Depth (")**	10
Principle Component	SAND, Fine	**PID Value**	0.10
Tertiary Component	trace, fine, Gravel	**Notes**	1330

---

12 **DU-M1-A12**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		PID Value	0
		Notes	1334

---

13 **DU-M1-A13**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	TAN, RED	**Odor**	No Odor
Principle Component	Fine, Medium, SAND	**Depth (")**	10
Tertiary Component	little, Gravel, fine	**PID Value**	0.10
		Notes	1342

---

14 **DU-M1-A14**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN	**Odor**	No Odor
Secondary Component	Gravelly	**Depth (")**	8
Principle Component	Fine, Medium, SAND	**PID Value**	0.10
		Notes	1354

---

15 **DU-M1-A15**

Soil Description

Same as Previous	Yes	**Depth (")**	8
		PID Value	0.10
		Notes	1359

---

16 **DU-M1-A16**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	TAN	**Odor**	No Odor
Principle Component	Fine, SAND	**Depth (")**	8
Tertiary Component	little, fine, Gravel	**PID Value**	0.10
		Notes	1423

---

17 **DU-M1-A17**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	RED, TAN	**Odor**	No Odor
Principle Component	Fine, SAND	**Depth (")**	10
Tertiary Component	trace, fine, Gravel	**PID Value**	0.10
		Notes	1426

---

18 **DU-M1-A18**

Soil Description

Same as Previous	Yes	**Depth (")**	6
		PID Value	0
		Notes	1431

---

19 **DU-M1-A19**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN	**Odor**	No Odor
Secondary Component	Gravelly	**Depth (")**	10
Principle Component	SAND, Fine, Medium	**PID Value**	0.10
		Notes	1439

---

20 **DU-M1-A20**

Soil Description

Same as Previous	No	**Moisture**	Dry
Color	BROWN, GRAY	**Odor**	No Odor
Secondary Component	Gravelly	**Depth (")**	8
Principle Component	Fine, Medium, SAND	**PID Value**	0.10
Tertiary Component	some, Clay	**Notes**	1444

---

21 **DU-M1-A21**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	TAN	**Odor**	No Odor
Principle Component	SAND, Fine, Medium	**Depth (")**	10
		PID Value	0.10
		Notes	1450

---

22 **DU-M1-A22**

Soil Description

Same as Previous	Yes	**Depth (")**	10
		PID Value	0.10
		Notes	1454

---

23 **DU-M1-A23**

Soil Description

Same as Previous	No	**Moisture**	Humid
Color	BROWN	**Odor**	No Odor
Secondary Component	Gravelly	**Depth (")**	8
Principle Component	Fine, Medium, SAND	**PID Value**	0.20
		Notes	1458

---

24 **DU-M1-A24**

Soil Description

Same as Previous	No
Color	GRAY
Principle Component	CLAY
Tertiary Component	little, Sand, Silt

Moisture	Humid
Odor	No Odor
Depth (")	10
PID Value	0.20
Notes	1502

25 **DU-M1-A25**

Soil Description

Same as Previous	No
Color	BROWN
Secondary Component	Loamy
Principle Component	SAND, Medium, Fine

Moisture	Humid
Odor	No Odor
Depth (")	10
PID Value	0.10
Notes	1528

26 **DU-M1-A26**

Soil Description

Same as Previous	No
Color	BROWN
Secondary Component	Loamy
Principle Component	SAND, Medium, Fine, Coarse

Moisture	Humid
Odor	No Odor
Depth (")	6
PID Value	0.10
Notes	1532

27 **DU-M1-A27**

Soil Description

Same as Previous	Yes

Depth (")	10
PID Value	0.10
Notes	1538

28 **DU-M1-A28**

Soil Description

Same as Previous	Yes

Depth (")	8
PID Value	0.10
Notes	1541

29 **DU-M1-A29**

Soil Description

Same as Previous	No
Color	BROWN
Secondary Component	Loamy
Principle Component	SILT

Moisture	Humid
Odor	No Odor
Depth (")	8
PID Value	0.90
Notes	1544

30 **DU-M1-A30**

Soil Description

Same as Previous	No
Color	BROWN
Secondary Component	Gravelly
Principle Component	SAND, Fine, Medium

Moisture	Humid
Odor	No Odor
Depth (")	8
Notes	1547

Laboratory Sample Collection

Sample ID	DU-M1-A
Sample Time	16:35
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081, PAHs 8270 SIM
Number of Containers	2

Sample ID	DU-M1-B
Sample Time	16:36
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081, PAHs 8270 SIM
Number of Containers	2

Sample ID	DU-M1-C
Sample Time	16:37
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081, PAHs 8270 SIM
Number of Containers	2

Sample ID	DU-M1-D
Sample Time	16:38
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081, PAHs 8270 SIM
Number of Containers	1
Notes	ARCHIVE

Sample ID	DU-M1-E
Sample Time	16:39
Analysis	PP Metals 6010, Mercury 7471, Barium 6010, Organochlorine Pesticides 8081, PAHs 8270 SIM
Number of Containers	1
Notes	ARCHIVE

Signatures

STONE ENVIRONMENTAL
100% EMPLOYEE-OWNED

Sample Collection Form

Project Information

Project Name	203 Country Club Rd
Project Number	20221113
Project Manager	Laura Rajnak
Project Location	Montpelier, VT

Laboratory Information

Contract Laboratory	Eurofins
Turn Around Time	Standard

Field Information

Date	12-03-2024
Stone Personnel On Site	Serena Veilleux, Rudy Bentlage
Time Stone On Site	08:30
Time Stone Off Site	15:32
Decontamination Procedures	Alcanox scrub, rinse with water

Sample Collection

1 SB-11-2.0

Sample Time:	09:11
Media:	SL
Sample Depth (specify units):	2
PID Reading (ppm; if applicable):	0.30
Number of Containers:	2
Analysis:	• PP Metals 6010 • Other
Frozen?	No
Archive?	Yes
Notes:	Analysis: PP metals and Barium 6010/ 7471, Pesticides 8081 Sample also archived for groundwater assessment

Sample Photo(s):

0-2 ft bgs

2 SB-11-4.0

Sample Time:	09:51
Media:	SL
Sample Depth (specify units):	4
PID Reading (ppm; if applicable):	0.06

Sample Photo(s):

Number of Containers: 2

Analysis:
- PP Metals 6010
- Other

Frozen? No

Archive? Yes

Notes: Analysis: PP metals and Barium 6010/ 7471, Pesticides 8081
Sample also archived for groundwater assessment

2-4ft bgs

3 SB-12-2.0

Sample Time: 10:18

Media: SL

Sample Depth (specify units): 2

PID Reading (ppm; if applicable): 0.07

Number of Containers: 2

Analysis:
- PP Metals 6010
- Other

Frozen? No

Archive? Yes

Notes: Analysis: PP metals and Barium 6010/ 7471, Pesticides 8081
Sample also archived for groundwater assessment

Sample Photo(s):

0-2ft bgs

4 SB-12-4.0

Sample Time: 10:45

Media: SL

Sample Depth (specify units): 4

PID Reading (ppm; if applicable): 0.08

Number of Containers: 2

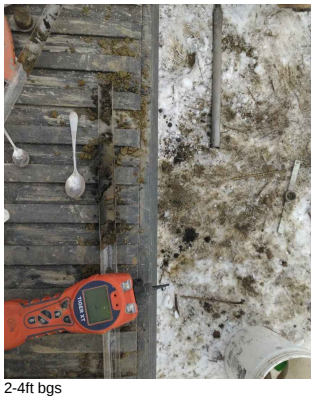
Analysis:
- PP Metals 6010
- Other

Frozen? No

Archive? Yes

Notes: Analysis: PP metals and Barium 6010/ 7471, Pesticides 8081
Sample also archived for groundwater assessment

Sample Photo(s):


2-4ft bgs

5 SB-8-2.0

Sample Time: 11:16

Media: SL

Sample Depth (specify units): 2

Sample Photo(s):

PID Reading (ppm; if applicable): 0.12

Number of Containers: 2

Analysis:
- PP Metals 6010
- Other

Frozen? No

Archive? Yes

Notes: Analysis: PP metals and Barium 6010/ 7471, Pesticides 8081
Sample also archived for groundwater assessment

0-2ft bgs

6 SB-8-4.0

Sample Time: 11:35

Media: SL

Sample Depth (specify units): 4

PID Reading (ppm; if applicable): 0.16

Number of Containers: 2

Analysis:
- PP Metals 6010
- Other

Frozen? No

Archive? Yes

Notes: Analysis: PP metals and Barium 6010/ 7471, Pesticides 8081
Sample also archived for groundwater assessment

Sample Photo(s):

2-4ft bgs

7 SB-9-2.0

Sample Time: 11:50

Media: SL

Sample Depth (specify units): 2

PID Reading (ppm; if applicable): 0.12

Number of Containers: 2

Analysis:
- PP Metals 6010
- Other

Frozen? No

Archive? Yes

Notes: Analysis: PP metals and Barium 6010/ 7471, Pesticides 8081
Sample also archived for groundwater assessment

Sample Photo(s):

0-2ft bgs

8 SB-9-4.0

Sample Time: 12:10

Media: SL

Sample Depth (specify units): 4

Sample Photo(s):

PID Reading (ppm; if applicable): 0.13

Number of Containers: 2

Analysis:
- PP Metals 6010
- Other

Frozen? No

Archive? Yes

Notes: Analysis: PP metals and Barium 6010/ 7471, Pesticides 8081
Sample also archived for groundwater assessment

9 SB-10-2.0

Sample Time: 13:45

Media: SL

Sample Depth (specify units): 2

PID Reading (ppm; if applicable): 0.14

Number of Containers: 2

Analysis:
- PP Metals 6010
- Other

Frozen? No

Archive? Yes

Notes: Analysis: PP metals and Barium 6010/ 7471, Pesticides 8081
Sample also archived for groundwater assessment

Sample Photo(s):

0-2ft bgs

10 SB-10-4.0

Sample Time: 14:06

Media: SL

Sample Depth (specify units): 4

PID Reading (ppm; if applicable): 0.15

Number of Containers: 2

Analysis:
- PP Metals 6010
- Other

Frozen? No

Archive? Yes

Notes: Analysis: PP metals and Barium 6010/ 7471, Pesticides 8081
Sample also archived for groundwater assessment

Sample Photo(s):

2-4ft bgs

11 SB-1-1.0

Sample Time: 14:35

Media: SL

Sample Depth (specify units): 1

Sample Photo(s):

PID Reading (ppm; if applicable):	0.15
Number of Containers:	1
Analysis:	• PP Metals 6010 • Other
Frozen?	No
Archive?	No
Notes:	Analysis: PP metals and Barium 6010/ 7471, Pesticides 8081

0-2ft bgs

12 SB-1-2.0

Sample Time:	14:38
Media:	SL
Sample Depth (specify units):	2
PID Reading (ppm; if applicable):	0.14
Number of Containers:	1
Analysis:	• PP Metals 6010 • Other
Frozen?	No
Archive?	No
Notes:	Analysis: PP metals and Barium 6010/ 7471, Pesticides 8081

Sample Photo(s):

0-2 ft bgs

13 SB-1-3.0

Sample Time:	14:50
Media:	SL
Sample Depth (specify units):	3
PID Reading (ppm; if applicable):	0.14
Number of Containers:	1
Analysis:	• PP Metals 6010 • Other
Frozen?	No
Archive?	No
Notes:	Analysis: PP metals and Barium 6010/ 7471, Pesticides 8081

Sample Photo(s):

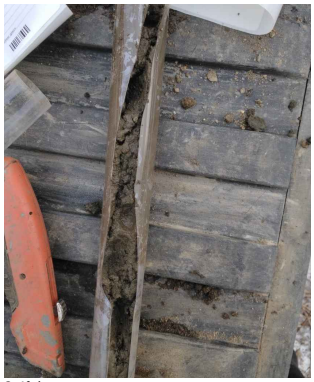
2-3ft bgs

14 SB-1-4.0

Sample Time:	14:53
Media:	SL
Sample Depth (specify units):	4

Sample Photo(s):

PID Reading (ppm; if applicable):	0.18
Number of Containers:	1
Analysis:	• PP Metals 6010 • Other
Frozen?	No
Archive?	No
Notes:	Analysis: PP metals and Barium 6010/ 7471, Pesticides 8081


3-4ft bgs

15 SD-5

Sample Time:	15:17
Media:	SD
Sample Depth (specify units):	.5
Number of Containers:	1
Analysis:	• PP Metals 6010 • Other
Archive?	No
Notes:	Analysis: Metals by 6010 and 7471, Pesticides by 8081

Sample Photo(s):

Signature

STONE ENVIRONMENTAL
100% EMPLOYEE-OWNED

Sample Collection Form

Project Information

Project Name	203 Country Club Rd
Project Number	20221113
Project Manager	Laura Rajnak
Project Location	Montpelier VT

Laboratory Information

Contract Laboratory	Eurofins
Turn Around Time	Standard

Field Information

Date	12-04-2024
Stone Personnel On Site	Serena Veilleux, Rudy Bentlage
Time Stone On Site	07:30
Time Stone Off Site	14:02
Weather	Cloudy, windy, 20^0
Decontamination Procedures	Alcanox scrub, rinse with water

Sample Collection

1 SB-3-2.0

Sample Time:	08:43
Media:	SL
Sample Depth (specify units):	2
PID Reading (ppm; if applicable):	0.11
Number of Containers:	6
Analysis:	• PP Metals 6010 • Other • VOCs 8260 • PAHs 8270 SIM
Frozen?	No
Archive?	No
Notes:	Analysis: VOC 8260, metals 6010 and 7471, Pesticides 8081, and PAHs 8270

2 SB-3-2.0-FD

Sample Time:	08:43
Media:	SL
Sample Depth (specify units):	2

PID Reading (ppm; if applicable): 0.11

Number of Containers: 6

Analysis:
- PP Metals 6010
- Other
- VOCs 8260
- PAHs 8270 SIM

Frozen? No

Archive? No

Notes: Analysis: VOC 8260, metals 6010 and 7471, Pesticides 8081, and PAHs 8270

---

3 SB-3-4.0

Sample Time: 09:17

Media: SL

Sample Depth (specify units): 4'

PID Reading (ppm; if applicable): 0.13

Number of Containers: 6

Analysis:
- PP Metals 6010
- Other
- VOCs 8260
- PAHs 8270 SIM

Archive? No

Notes: Analysis: VOC 8260, metals 6010 and 7471, Pesticides 8081, and PAHs 8270

---

4 SB-4-2.0

Sample Time: 09:44

Media: SL

Sample Depth (specify units): 2

PID Reading (ppm; if applicable): 0.18

Number of Containers: 6

Analysis:
- PP Metals 6010
- Other
- VOCs 8260
- PAHs 8270 SIM

Archive? No

Notes: Analysis: VOC 8260, metals 6010 and 7471, Pesticides 8081, and PAHs 8270

---

5 SB-4-4.0

Sample Time: 10:01

Media: SL

Sample Depth (specify units): 4

PID Reading (ppm; if applicable): 0.10

Number of Containers: 6

Analysis:
- PP Metals 6010
- Other
- VOCs 8260
- PAHs 8270 SIM

Frozen? No

Archive? No

Notes: Analysis: VOC 8260, metals 6010 and 7471, Pesticides 8081, and PAHs 8270

---

6 SB-2-2.0

Sample Time: 10:48

Media: SL

Sample Depth (specify units): 2

PID Reading (ppm; if applicable): 0.19

Number of Containers: 6

Analysis:
- PP Metals 6010
- Other
- VOCs 8260
- PAHs 8270 SIM

Frozen? No

Archive? No

Notes: Analysis: VOC 8260, metals 6010 and 7471, Pesticides 8081, and PAHs 8270

---

7 SB-2-4.0

Sample Time: 10:59

Media: SL

Sample Depth (specify units): 4

PID Reading (ppm; if applicable): 0.17

Number of Containers: 6

Analysis:
- PP Metals 6010
- Other
- VOCs 8260
- PAHs 8270 SIM

Frozen? No

Archive? No

Notes: Analysis: VOC 8260, metals 6010 and 7471, Pesticides 8081, and PAHs 8270

---

8 SB-6-2.0

Sample Time: 12:32

Media: SL

Sample Depth (specify units): 2

PID Reading (ppm; if applicable): 0.23

Number of Containers: 2

Analysis:
- PP Metals 6010
- Other

Frozen? No

Archive? Yes

Notes: Analysis: metals 6010 and 7471 and Pesticides 8081
Sample archived for future groundwater assessment

---

9 SB-6-4.0

Sample Time: 12:36

Media: SL

Sample Depth (specify units): 4

PID Reading (ppm; if applicable): 0.16

Number of Containers: 2

Analysis:
- PP Metals 6010
- Other

Frozen? No

Archive? Yes

Notes: Analysis: metals 6010 and 7471 and Pesticides 8081
Sample archived for future groundwater assessment

---

10 SB-7-2.0

Sample Time: 13:00

Media: SL

Sample Depth (specify units): 2

PID Reading (ppm; if applicable): 0.15

Number of Containers: 2

Analysis:
- PP Metals 6010
- Other

Frozen? No

Archive? Yes

Notes: Analysis: metals 6010 and 7471 and Pesticides 8081
Sample archived for future groundwater assessment

---

11 SB-7-4.0

Sample Time: 13:03

Media: SL

Sample Depth (specify units): 4

PID Reading (ppm; if applicable): 0.08

Number of Containers: 2

Analysis:
- PP Metals 6010
- Other

Frozen? No

Archive? Yes

Notes: Analysis: metals 6010 and 7471 and Pesticides 8081
Sample archived for future groundwater assessment

---

12 SB-5-2.0

Sample Time: 13:31

Media: SL

Sample Depth (specify units): 2

PID Reading (ppm; if applicable): 0.13

Number of Containers: 2

Analysis:
- PP Metals 6010
- Other

Frozen? No

Archive? Yes

Notes: Analysis: metals 6010 and 7471 and Pesticides 8081
Sample archived for future groundwater assessment

---

13 SB-5-4.0

Sample Time: 13:39

Media: SL

Sample Depth (specify units): 4

PID Reading (ppm; if applicable): 0.09

Number of Containers: 2

Analysis:
- PP Metals 6010
- Other

Frozen? No

Archive? Yes

Notes: Analysis: metals 6010 and 7471 and Pesticides 8081
Sample archived for future groundwater assessment

---

14 SB-5-4.0-FD

Sample Time: 13:39

Media: SL

Sample Depth (specify units): 4

PID Reading (ppm; if applicable): 0.09

Number of Containers: 2

Analysis:
- PP Metals 6010
- Other

Frozen? No

Archive? Yes

Notes: Analysis: metals 6010 and 7471 and Pesticides 8081
Sample archived for future groundwater assessment

STONE ENVIRONMENTAL
100% EMPLOYEE-OWNED

Sample Collection Form

Signature

Soil Boring Log
BORING ID: SB-1
203 Country Club Road, Montpelier VT

DATE DRILLED: 12/3/2024
BORING TERMINATION: Target Depth
DRILLING METHOD: Manual Geoprobe LB
DRILLING COMPANY: Stone Environmental

LOGGED BY: S. Veilleux
LOG COMPILED BY: JGW 2/10/25
DRILLER: R. Bentlage

STONE ENVIRONMENTAL

Source: Field Boring Log

DEPTH (Feet)	RECOVERY	LITHOLOGY / SOIL DESCRIPTION	Analytical Sample	PID (ppm v/v)
0		Brown, loam, medium, dry, no odor		
		Tannish brown, sand, fine to medium, trace gravel, dry to moist, no odor, likely fill	SB-1-1.0	0.147 @1.0'
-1				
		Brownish gray, clay, very fine, moist, no odor	SB-1-2.0	0.135 @2.0'
-2				
			SB-1-3.0	0.135 @3.0'
-3		Gray, sand, fine, trace gravel, wet, no odor		
			SB-1-4.0	0.175 @4.0'
-4				

Soil Boring Log
BORING ID: SB-2
203 Country Club Road, Montpelier VT

DATE DRILLED: 12/4/2024
BORING TERMINATION: Target Depth
DRILLING METHOD: Manual Geoprobe LB
DRILLING COMPANY: Stone Environmental

LOGGED BY: S. Veilleux
LOG COMPILED BY: JGW 2/10/25
DRILLER: R. Bentlage

STONE ENVIRONMENTAL

Source: Field Boring Log

DEPTH (Feet)	RECOVERY	LITHOLOGY / SOIL DESCRIPTION	Analytical Sample	PID (ppm v/v)
0		Brown, loam, fine to medium, dry, no odor		
		Brown, silty sand, fine, dry, no odor		
		Brown, sand, fine to medium, some gravel, dry, no odor		
-1				0.151 @1.0'
		Light brown, sand, fine, dry, no odor		
-2			SB-2-2.0	0.188 @2.0'
		Brown, loamy sand, fine, dry, no odor		
-3				0.282 @3.0'
		Light brown, sand, fine, dry, no odor		
-4			SB-2-4.0	0.172 @4.0'

Soil Boring Log
BORING ID: SB-3
203 Country Club Road, Montpelier VT

DATE DRILLED: 12/4/2024
BORING TERMINATION: Target Depth
DRILLING METHOD: Manual Geoprobe LB
DRILLING COMPANY: Stone Environmental

LOGGED BY: S. Veilleux
LOG COMPILED BY: JGW 2/10/25
DRILLER: R. Bentlage

STONE ENVIRONMENTAL

Source: Field Boring Log

DEPTH (Feet)	RECOVERY	LITHOLOGY / SOIL DESCRIPTION	Analytical Sample	PID (ppm v/v)
0		Brown, loam, some roots, medium fine, dry, no odor		
		Grey, sand, fine, dry, no odor		
-1		Brown, silty sand, trace gravel, dry, no odor, likely fill		0.105 @1.0'
-2			SB-3-2.0	0.113 @2.0'
-3		Brown, sand, trace gravel, dry, no odor		0.114 @3.0'
-4			SB-3-4.0	0.132 @4.0'

Soil Boring Log
BORING ID: SB-4
203 Country Club Road, Montpelier VT

DATE DRILLED: 12/4/2024
BORING TERMINATION: Target Depth
DRILLING METHOD: Manual Geoprobe LB
DRILLING COMPANY: Stone Environmental

LOGGED BY: S. Veilleux
LOG COMPILED BY: JGW 2/10/25
DRILLER: R. Bentlage

STONE ENVIRONMENTAL

Source: Field Boring Log

DEPTH (Feet)	RECOVERY	LITHOLOGY / SOIL DESCRIPTION	Analytical Sample	PID (ppm v/v)
0		Brown, loam, fine to medium, some roots, wet from snow, no odor		
-1		Tannish brown, sand, fine to medium, dry, no odor. Gray gravel at 3.8ft bgs indicative of fill		0.107 @1.0'
-2			SB-4-2.0	0.178 @2.0'
-3				0.057 @3.0'
-4			SB-4-4.0	0.099 @4.0'

Soil Boring Log
BORING ID: SB-5
203 Country Club Road, Montpelier VT

DATE DRILLED: 12/4/2024
BORING TERMINATION: Target Depth
DRILLING METHOD: Manual Geoprobe LB
DRILLING COMPANY: Stone Environmental

LOGGED BY: S. Veilleux
LOG COMPILED BY: JGW 2/10/25
DRILLER: R. Bentlage

STONE ENVIRONMENTAL

Source: Field Boring Log

DEPTH (Feet)	RECOVERY	LITHOLOGY / SOIL DESCRIPTION	Analytical Sample	PID (ppm v/v)
0		Brown, loam, fine, some roots, dry, no odor		
-1		Brown, sandy loam, fine, dry, no odor		0.148 @1.0'
-2		Orangey brown, sand, fine to medium, dry, no odor	SB-5-2.0	0.132 @2.0'
-3		Tannish brown, sand, fine to medium, dry, no odor		0.094 @3.0'
-4			SB-5-4.0	0.087 @4.0'

Soil Boring Log
BORING ID: SB-6
203 Country Club Road, Montpelier VT

DATE DRILLED: 12/4/2024
BORING TERMINATION: Target Depth
DRILLING METHOD: Manual Geoprobe LB
DRILLING COMPANY: Stone Environmental

LOGGED BY: S. Veilleux
LOG COMPILED BY: JGW 2/10/25
DRILLER: R. Bentlage

STONE ENVIRONMENTAL

Source: Field Boring Log

DEPTH (Feet)	RECOVERY	LITHOLOGY / SOIL DESCRIPTION	Analytical Sample	PID (ppm v/v)
0		Brown, loam, fine to medium, some roots, dry, no odor		
-1		Brown, loamy sand, fine, dry, no odor		0.205 @1.0'
-2		Orangey brown, sand, fine, dry, no odor	SB-6-2.0	0.232 @2.0'
-3		Tannish brown, sand, fine to medium, dry, no odor		0.127 @3.0'
-4			SB-6-4.0	0.158 @4.0'

Soil Boring Log
BORING ID: SB-7
203 Country Club Road, Montpelier VT

DATE DRILLED: 12/4/2024
BORING TERMINATION: Target Depth
DRILLING METHOD: Manual Geoprobe LB
DRILLING COMPANY: Stone Environmental

LOGGED BY: S. Veilleux
LOG COMPILED BY: JGW 2/10/25
DRILLER: R. Bentlage

STONE ENVIRONMENTAL

Source: Field Boring Log

DEPTH (Feet)	RECOVERY	LITHOLOGY / SOIL DESCRIPTION	Analytical Sample	PID (ppm v/v)
0		Brown, loam, some roots, medium to fine, dry, no odor		
		Brown, sandy loam, fine to medium, dry, no odor		
-1				0.117 @1.0'
		Orangey brown, sand, fine, dry, no odor	SB-7-2.0	
-2				0.147 @2.0'
		Brown, sand, fine, dry, no odor		
-3				0.079 @3.0'
			SB-7-4.0	
-4				0.084 @4.0'

Soil Boring Log
BORING ID: SB-8
203 Country Club Road, Montpelier VT

DATE DRILLED: 12/3/2024
BORING TERMINATION: Target Depth
DRILLING METHOD: Manual Geoprobe LB
DRILLING COMPANY: Stone Environmental

LOGGED BY: S. Veilleux
LOG COMPILED BY: JGW 2/10/25
DRILLER: R. Bentlage

STONE ENVIRONMENTAL

Source: Field Boring Log

DEPTH (Feet)	RECOVERY	LITHOLOGY / SOIL DESCRIPTION	Analytical Sample	PID (ppm v/v)
0		Brown, loam, medium, dry, no odor		
-1		Tannish brown, loamy sand, some cobbles of slate, dry, no odor, likely fill		0.137 @1.0'
-2		Brown, sand, medium to coarse, some cobbles of slate, dry, no odor, likely fill	SB-8-2.0	0.122 @2.0'
-3				0.111 @3.0'
-4			SB-8-4.0	0.161 @4.0'

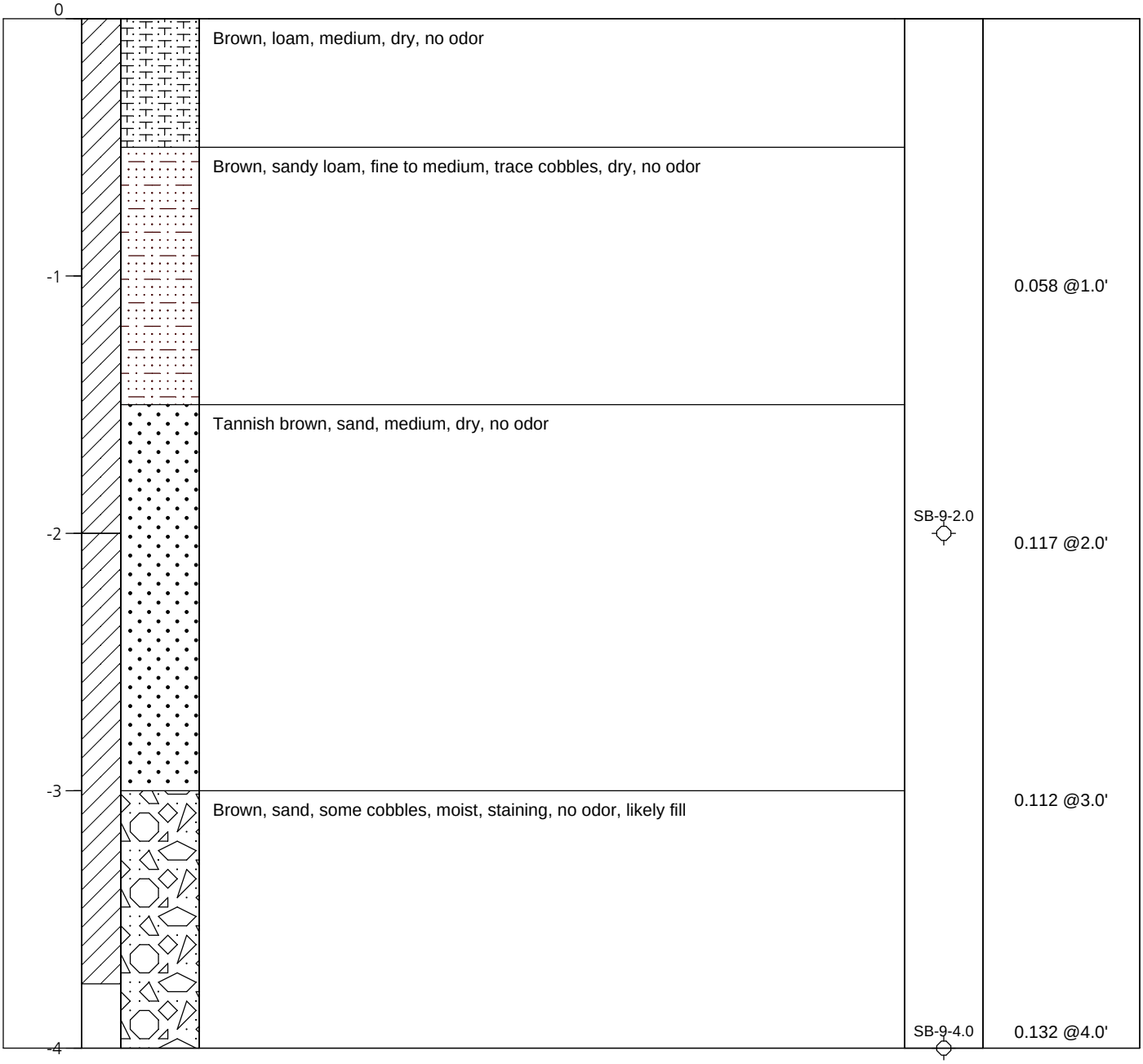
Soil Boring Log
BORING ID: SB-9
203 Country Club Road, Montpelier VT

DATE DRILLED: 12/3/2024
BORING TERMINATION: Target Depth
DRILLING METHOD: Manual Geoprobe LB
DRILLING COMPANY: Stone Environmental

LOGGED BY: S. Veilleux
LOG COMPILED BY: JGW 2/10/25
DRILLER: R. Bentlage

STONE ENVIRONMENTAL

Source: Field Boring Log



Soil Boring Log
BORING ID: SB-10
203 Country Club Road, Montpelier VT

DATE DRILLED: 12/3/2024
BORING TERMINATION: Target Depth
DRILLING METHOD: Manual Geoprobe LB
DRILLING COMPANY: Stone Environmental

LOGGED BY: S. Veilleux
LOG COMPILED BY: JGW 2/10/25
DRILLER: R. Bentlage

STONE ENVIRONMENTAL

Source: Field Boring Log

DEPTH (Feet)	RECOVERY	LITHOLOGY / SOIL DESCRIPTION	Analytical Sample	PID (ppm v/v)
0		Tannish brown, sandy loam, some roots, medium, dry, no odor		
		Brown, sandy loam, fine to medium, dry, no odor		
-1		Tannish brown, clayey sand, trace cobbles, moist, no odor, likely fill		0.111 @1.0'
-2			SB-10-2.0	0.139 @2.0'
-3				0.157 @3.0'
-4			SB-10-4.0	0.150 @4.0'

Soil Boring Log
BORING ID: SB-11
203 Country Club Road, Montpelier VT

DATE DRILLED: 12/3/2024
BORING TERMINATION: Target Depth
DRILLING METHOD: Manual Geoprobe LB
DRILLING COMPANY: Stone Environmental

LOGGED BY: S. Veilleux
LOG COMPILED BY: JGW 2/10/25
DRILLER: R. Bentlage

STONE ENVIRONMENTAL

Source: Field Boring Log

DEPTH (Feet)	RECOVERY	LITHOLOGY / SOIL DESCRIPTION	Analytical Sample	PID (ppm v/v)
0		Brown, sand, fine to medium, dry, no odor		
		Brown, clayey loam, fine, dry, no odor		
-1				1.351 @1.0'
			SB-11-2.0	
-2		Grayish brown, clay, fine, dry, no odor		0.304 @2.0'
-3				0.105 @3.0'
			SB-11-4.0	
-4				0.064 @4.0'

Soil Boring Log
BORING ID: SB-12
203 Country Club Road, Montpelier VT

DATE DRILLED: 12/3/2024
BORING TERMINATION: Target Depth
DRILLING METHOD: Manual Geoprobe LB
DRILLING COMPANY: Stone Environmental

LOGGED BY: S. Veilleux
LOG COMPILED BY: JGW 2/10/25
DRILLER: R. Bentlage

STONE ENVIRONMENTAL

Source: Field Boring Log

DEPTH (Feet)	RECOVERY	LITHOLOGY / SOIL DESCRIPTION	Analytical Sample	PID (ppm v/v)
0		Brown, sandy loam, some roots, medium, dry, no odor		
-1		Tannish brown, sand, fine to medium, dry, no odor		0.085 @1.0'
		Black brown coarse soil aggregate, no odor, likely fill		
-2		Tan, clay, fine, dry, no odor	SB-12-2.0	0.067 @2.0'
-3		Dark brown fill, medium, moist to wet, no odor		0.119 @3.0'
-4			SB-12-4.0	0.075 @4.0'

Appendix C: Analytical Data Tables

Table C-1
Arsenic, Mercury, and Lead Concentrations in Surface Soil by XRF

Sample Info							Arsenic (mg/kg)								Mercury (mg/kg)								Lead (mg/kg)								Analysis Comments	
Decision Unit	Sample ID	Collection Date	Collection Time	Analysis Date	Analysis Time	Moisture Content	As 1	Q	As 2	Q	As 3	Q	As Avg	Q	Hg 1	Q	Hg 2	Q	Hg 3	Q	Hg Avg	Q	Pb 1	Q	Pb 2	Q	Pb 3	Q	Pb Avg	Q	Initials	Notes
G1	DU-G1-A1	11/19/2024	11:30	11/20/2024	16:44	20%	7		7		6		7		3	U	3	U	3	U	3	U	NA		NA		NA		-		LBR	
G1	DU-G1-A2	11/19/2024	11:35	11/20/2024	16:18	10%	10		12		8		10		3	U	3	U	3	U	3	U	NA		NA		NA		-		SJV	
G1	DU-G1-A3	11/19/2024	11:38	11/20/2024	16:57	20%	11		11		12		11		3	U	3	U	4	U	3	U	NA		NA		NA		-		LBR	
G1	DU-G1-A4	11/19/2024	11:41	11/20/2024	17:05	15%	6		9		8		8		4	U	3	U	3	U	3	U	NA		NA		NA		-		LBR	
G1	DU-G1-A5	11/19/2024	11:44	11/20/2024	17:15	18%	11		11		8		10		3	U	4		3	U	4		NA		NA		NA		-		LBR	
G1	DU-G1-A6	11/19/2024	11:47	11/20/2024	17:30	12%	20		18		18		19		3	U	3	U	3	U	3	U	NA		NA		NA		-		LBR	
G1	DU-G1-A7	11/19/2024	12:08	11/20/2024	17:38	20%	7		10		8		8		4	U	4	U	4	U	4	U	NA		NA		NA		-		LBR	
G1	DU-G1-A8	11/19/2024	12:11	11/20/2024	17:45	15%	9		7		5		7		3	U	2	U	2	U	2	U	NA		NA		NA		-		LBR	
G1	DU-G1-A9	11/19/2024	12:14	11/20/2024	17:52	20%	10		7		8		8		3	U	3	U	3	U	3	U	NA		NA		NA		-		LBR	
G1	DU-G1-A10	11/19/2024	12:17	11/20/2024	17:59	18%	7		7		8		7		3	U	3	U	3	U	3	U	NA		NA		NA		-		LBR	
G1	DU-G1-A11	11/19/2024	12:21	11/20/2024	18:05	15%	10		11		11		11		3	U	3	U	3	U	3	U	NA		NA		NA		-		LBR	
G1	DU-G1-A12	11/19/2024	12:23	11/21/2024	8:20	10%	9		10		7		9		3	U	3	U	3	U	3	U	NA		NA		NA		-		LBR	
G1	DU-G1-A13	11/19/2024	12:26	11/21/2024	8:42	10%	6		7		9		7		3	U	4	U	6	U	4	U	NA		NA		NA		-		LBR	Changed XRF time from 120s to 100s
G1	DU-G1-A14	11/19/2024	12:29	11/21/2024	8:50	12%	6		7		5		6		3	U	3	U	3	U	3	U	NA		NA		NA		-		LBR	Changed XRF time from 100s to 110s
G1	DU-G1-A15	11/19/2024	12:46	11/21/2024	8:57	15%	172		349		243		255		3	U	6	U	4		4				452		834		643		LBR	Began recording lead
G1	DU-G1-A16	11/19/2024	12:49	11/21/2024	9:05	15%	204		345		191		247		3	U	3	U	3		3				949		585		767		LBR	
G1	DU-G1-A17	11/19/2024	12:52	11/21/2024	9:12	15%	183		138		145		155		3	U	3	U	4	U	3	U	506		379		416		434		LBR	
G1	DU-G1-A18	11/19/2024	12:56	11/21/2024	9:19	12%	50		32		31		38		3	U	3	U	4	U	3	U	180		78		62		107		LBR	
G1	DU-G1-A19	11/19/2024	12:59	11/20/2024	16:33	20%	144		144		193		160		3	U	3	U	3	U	3	U							-		SJV	
G1	DU-G1-A20	11/19/2024	13:02	11/21/2024	9:28	10%	115		182		120		139		17		31		20		23		376		502		491		456		LBR	
G1	DU-G1-A21	11/19/2024	13:14	11/21/2024	9:36	12%	103		100		108		104		3	U	3	U	3	U	3	U	249		225		264		246		LBR	
G1	DU-G1-A22	11/19/2024	13:17	11/21/2024	9:43	10%	56		118		131		102		4	U	3	U	3	U	3	U	215		289		357		287		SJV	
G1	DU-G1-A23	11/19/2024	13:21	11/21/2024	9:51	15%	348		269		546		388		4	U	3	U	5	U	4	U	901		569		2011		1160		SJV	
G1	DU-G1-A24	11/19/2024	13:37	11/21/2024	9:58	10%	19		25		30		25		3	U	3	U	3	U	3	U	45		56		63		55		SJV	
G1	DU-G1-A25	11/19/2024	13:42	11/21/2024	10:04	10%	12		14		10		12		4	U	3	U	3	U	3	U	33		49		39		40		SJV	
G1	DU-G1-A26	11/19/2024	13:45	11/21/2024	10:11	12%	10		12		11		11		4	U	3	U	4	U	4	U	26		29		27		27		SJV	
G1	DU-G1-A27	11/19/2024	13:48	11/20/2024	10:06	18%	17		9		10		12		3	U	2	U	2	U	2	U							-		SJV	
G1	DU-G1-A28	11/19/2024	13:53	11/21/2024	10:17	10%	36		23		41		33		4	U	3	U	2	U	3	U	170		146		236		184		SJV	
G1	DU-G1-A29	11/19/2024	13:58	11/21/2024	10:23	12%	8		7		8		8		3	U	4	U	3	U	3	U	19		17		18		18		SJV	
G1	DU-G1-A30	11/19/2024	14:00	11/21/2024	10:29	11%	10		9		11		10		3	U	3	U	3	U	3	U	20		21		21		21		SJV	
G2	DU-G2-A1	11/20/2024	14:52	11/22/2024	10:26	16%	22		15		17		18		3	U	3	U	4	U	3	U	60		83		91		78		SJV	
G2	DU-G2-A2	11/20/2024	14:56	11/22/2024	10:34	18%	18		19		17		18		3	U	4	U	3	U	3	U	79		68		58		68		SJV	
G2	DU-G2-A3	11/20/2024	14:59	11/22/2024	10:40	12%	27		20		17		21		3	U	3	U	3	U	3	U	79		63		72		71		SJV	
G2	DU-G2-A4	11/20/2024	15:03	11/22/2024	10:47	12%	7		7		10		8		3	U	3	U	3	U	3	U	17		18		24		20		SJV	
G2	DU-G2-A5	11/20/2024	15:07	11/22/2024	10:54	12%	30		24		20		25		3	U	4	U	3	U	3	U	88		74		58		73		SJV	
G2	DU-G2-A6	11/20/2024	15:10	11/22/2024	11:00	12%	9		11		15		12		4	U	3	U	3	U	3	U	49		40		46		45		SJV	
G2	DU-G2-A7	11/20/2024	15:13	11/22/2024	11:06	18%	11		12		15		13		4	U	3	U	3	U	3	U	24		34		40		33		SJV	
G2	DU-G2-A8	11/20/2024	15:16	11/22/2024	11:13	16%	37		13		9		20		4	U	3	U	3	U	3	U	34		35		41		37		SJV	
G2	DU-G2-A9	11/20/2024	15:35	11/22/2024	11:19	12%	3		4		4		4		3	U	3	U	3	U	3	U	14		11		12		12		SJV	
G2	DU-G2-A10	11/20/2024	15:39	11/22/2024	11:25	12%	3		4		3		3		3	U	3	U	3	U	3	U	11		7		10		9		SJV	
G2	DU-G2-A11	11/20/2024	15:42	11/22/2024	11:32	10%	3		3		4		3		3	U	3	U	2	U	3	U	10		11		11		11		SJV	
G2	DU-G2-A12	11/20/2024	15:47	11/22/2024	11:38	12%	5		2		4		4		4	U	3	U	3	U	3	U	10		9		11		10		SJV	Had to change battery
G2	DU-G2-A13	11/21/2024	7:45	11/22/2024	11:47	12%	4		3		5		4		3	U	3	U	3	U	3	U	11		7		10		9		SJV	
G2	DU-G2-A14	11/21/2024	7:56	11/22/2024	11:53	20%	2		1		2		2		2	U	3	U	3	U	3	U	7		8		16		10		SJV	
G2	DU-G2-A15	11/21/2024	8:00	11/22/2024	11:59	20%	3		3		2		3		3	U	3	U	3	U	3	U	11		7		10		9		SJV	
G2	DU-G2-A16	11/21/2024	8:03	11/22/2024	12:06	22%	3		2		2		2		3	U	3	U	2	U	3	U	10		13		7		10		SJV	
G2	DU-G2-A17	11/21/2024	8:09	11/22/2024	12:12	12%	5		4		8		6		3	U	3	U	4	U	3	U	9		13		11		11		SJV	
G2	DU-G2-A18	11/21/2024	8:20	11/22/2024	12:18	18%	85		193		142		140		8		13		10		10		259		628		286		391		SJV	
G2	DU-G2-A19	11/21/2024	8:23	11/22/2024	12:24	20%	118		116		116		117		22		18		21		20		378		314		281		324		SJV	
G2	DU-G2-A20	11/21/2024	8:26	11/22/2024	12:34	12%	160		124		124		136		12		14		9		12		183		414		621		406		SJV	
G2	DU-G2-A21	11/21/2024	8:30	11/22/2024	12:43	15%	90		41		203		111		19		15		8		14		156		91		223		157		SJV	
G2	DU-G2-A22	11/21/2024	8:38	11/22/2024	12:50	18%	92		134		109		112		3	U	10		8		9		248		366		371		328		SJV	
G2	DU-G2-A23	11/21/2024	8:37	11/22/2024	12:57	18%	159		122		163		148		3	U	3	U	3	U	3	U	317		258		269		281		SJV	
G2	DU-G2-A24	11/21/2024	8:41	11/22/2024	13:04	16%	180		80		153		138		6		4		4		5		598		150		375		374		SJV	
G2	DU-G2-A25	11/21/2024	8:44	11/22/2024	13:10	20%	79		117		80		92		5		7		5		6		229		290		212		244		SJV	
G2	DU-G2-A26	11/21/2024	8:48	11/22/2024	13:16	18%	27		62		76		55		3	U	3	U	3	U	3	U	115		252		194		187		SJV	

Table C-1
Arsenic, Mercury, and Lead Concentrations in Surface Soil by XRF

Sample Info							Arsenic (mg/kg)								Mercury (mg/kg)								Lead (mg/kg)								Analysis Comments	
Decision Unit	Sample ID	Collection Date	Collection Time	Analysis Date	Analysis Time	Moisture Content	As 1	Q	As 2	Q	As 3	Q	As Avg	Q	Hg 1	Q	Hg 2	Q	Hg 3	Q	Hg Avg	Q	Pb 1	Q	Pb 2	Q	Pb 3	Q	Pb Avg	Q	Initials	Notes
G2	DU-G2-A27	11/21/2024	8:52	11/22/2024	13:22	18%	120		143		80		114		3		4		3		3		394		344		193		310		SJV	
G2	DU-G2-A28	11/21/2024	8:56	11/22/2024	13:29	20%	91		115		191		132		9		14		22		15		406		255		399		353		SJV	
G2	DU-G2-A29	11/21/2024	8:59	11/22/2024	13:35	12%	64		76		80		73		7		9		11		9		211		216		199		209		SJV	
G2	DU-G2-A30	11/21/2024	9:02	11/22/2024	13:41	18%	110		72		91		91		11		16		13		13		139		437		152		243		SJV	
G3	DU-G3-A1	11/22/2024	10:55	11/25/2024	16:34	10%	65		250		290		202		6		11		19		12		245		501		1108		618		SJV	
G3	DU-G3-A2	11/22/2024	10:59	11/25/2024	16:43	10%	149		40		155		115		12		6		8		9		707		249		484		480		LBR	
G3	DU-G3-A3	11/22/2024	11:02	11/25/2024	16:50	12%	106		121		118		115		13		12		15		13		352		354		367		358		LBR	
G3	DU-G3-A4	11/22/2024	11:06	11/25/2024	16:56	12%	71		78		69		73		5	U	3	U	3	U	4	U	116		194		155		155		LBR	
G3	DU-G3-A5	11/22/2024	11:09	11/25/2024	17:04	10%	91		70		87		83		3	U	3	U	4	U	3	U	184		180		201		188		LBR	
G3	DU-G3-A6	11/22/2024	11:13	11/25/2024	17:10	10%	125		97		138		120		6		5		9		7		322		291		365		326		LBR	
G3	DU-G3-A7	11/22/2024	11:16	11/25/2024	17:17	10%	166		130		118		138		10		8		6		8		516		342		429		429		LBR	
G3	DU-G3-A8	11/22/2024	11:19	11/25/2024	17:25	10%	98		115		74		96		4		5		4		4		267		304		266		279		LBR	
G3	DU-G3-A9	11/22/2024	11:37	11/25/2024	17:32	11%	34		45		32		37		4	U	4	U	4	U	4		161		181		135		159		LBR	
G3	DU-G3-A10	11/22/2024	11:43	11/25/2024	17:39	11%	8		8		7		8		3	U	3	U	3	U	3	U	27		24		28		26		LBR	
G3	DU-G3-A11	11/22/2024	11:47	11/25/2024	17:45	11%	107		113		87		102		5		6		6		6		239		310		356		302		LBR	
G3	DU-G3-A12	11/22/2024	11:50	11/25/2024	17:52	10%	81		115		128		108		5	U	3	U	3		3		344		399		499		414		LBR	
G3	DU-G3-A13	11/22/2024	11:54	11/25/2024	17:58	12%	130		87		120		112		3	U	3	U	3	U	3	U	306		222		304		277		LBR	
G3	DU-G3-A14	11/22/2024	11:58	11/25/2024	18:05	12%	162		144		124		143		5		5		4		5		478		396		368		414		LBR	
G3	DU-G3-A15	11/22/2024	12:02	11/25/2024	18:12	10%	113		100		120		111		7		8		10		8		346		275		330		317		LBR	
G3	DU-G3-A16	11/22/2024	12:06	11/25/2024	18:20	10%	87		113		112		104		3		7		7		6		337		550		408		432		LBR	
G3	DU-G3-A17	11/22/2024	12:09	11/25/2024	18:26	10%	46		46		33		42		7		7		5		6		128		138		117		128		LBR	
G3	DU-G3-A18	11/22/2024	12:12	11/25/2024	18:33	10%	16		23		22		20		3	U	3	U	3	U	3	U	55		65		63		61		LBR	
G3	DU-G3-A19	11/22/2024	13:09	11/25/2024	18:40	11%	3		7		4		5		4	U	4	U	3	U	4	U	16		26		19		20		LBR	
G3	DU-G3-A20	11/22/2024	13:14	11/25/2024	18:47	12%	4		6		5		5		4	U	3	U	3	U	3	U	23		22		20		22		LBR	
G3	DU-G3-A21	11/22/2024	13:17	11/25/2024	18:55	11%	8		6		6		7		4	U	3	U	3	U	3	U	22		20		21		21		LBR	
G3	DU-G3-A22	11/22/2024	13:21	11/25/2024	19:02	13%	7		5		5		6		3	U	3	U	3	U	3	U	15		14		12		14		LBR	
G3	DU-G3-A23	11/22/2024	13:24	11/25/2024	19:09	10%	6		6		5		6		3	U	3	U	3	U	3	U	19		21		20		20		LBR	
G3	DU-G3-A24	11/22/2024	13:28	11/25/2024	19:16	10%	5		8		4		6		3	U	3	U	3	U	3	U	20		15		17		17		LBR	
G3	DU-G3-A25	11/22/2024	13:31	11/25/2024	19:22	11%	5		6		10		7		3	U	3	U	4	U	3	U	14		18		23		18		LBR	
G3	DU-G3-A26	11/22/2024	13:34	11/25/2024	19:28	13%	10		7		4		7		4	U	3	U	3	U	3	U	24		21		19		21		LBR	
G3	DU-G3-A27	11/22/2024	13:50	11/25/2024	19:36	11%	253		288		195		245		4	U	3	U	3	U	3	U	715		954		585		751		LBR	
G3	DU-G3-A28	11/22/2024	13:54	11/25/2024	19:44	10%	54		76		94		75		3	U	4	U	3	U	3	U	207		166		317		230		LBR	
G3	DU-G3-A29	11/22/2024	13:56	11/25/2024	19:50	10%	142		137		127		135		3	U	4	U	3	U	3	U	312		321		267		300		LBR	
G3	DU-G3-A30	11/22/214	14:00	11/25/2024	19:56	10%	72		93		101		89		4	U	3	U	3	U	3	U	177		216		153		182		LBR	
F1	DU-F1-A1	11/19/2024	14:38	11/21/2024	14:10	10%	7		6		7		7		3	U	3	U	3	U	3	U	14		14		14		14		SJV	
F1	DU-F1-A2	11/19/2024	14:43	11/21/2024	14:21	10%	4		3		2		3		2	U	3	U	3	U	3	U	14		8		7		10		SJV	
F1	DU-F1-A3	11/19/2024	14:46	11/21/2024	14:27	10%	5		8		8		7		4	U	3	U	4	U	4	U	8		11		15		11		SJV	
F1	DU-F1-A4	11/19/2024	14:57	11/21/2024	14:35	12%	7		9		7		8		3	U	3	U	3	U	3	U	15		15		15		15		SJV	
F1	DU-F1-A5	11/19/2024	15:02	11/21/2024	14:41	12%	5		4		3		4		3	U	3	U	3	U	3	U	13		7		7		9		SJV	
F1	DU-F1-A6	11/19/2024	15:21	11/21/2024	14:47	10%	5		8		4		6		3	U	3	U	3	U	3	U	13		14		13		13		SJV	
F1	DU-F1-A7	11/19/2024	15:27	11/21/2024	14:54	12%	6		5		4		5		4	U	3	U	3	U	3	U	17		18		18		18		SJV	
F1	DU-F1-A8	11/20/2024	7:28	11/21/2024	15:00	10%	5		7		5		6		2	U	3	U	4	U	3	U	10		9		12		10		SJV	
F1	DU-F1-A9	11/20/2024	7:33	11/21/2024	15:06	12%	6		6		7		6		3	U	3	U	3	U	3	U	11		11		13		12		SJV	
F1	DU-F1-A10	11/20/2024	7:38	11/21/2024	15:12	12%	16		12		19		16		3	U	3	U	4	U	3	U	6		5		8		6		SJV	
F1	DU-F1-A11	11/20/2024	7:43	11/21/2024	15:21	15%	8		7		7		7		3	U	3	U	3	U	3	U	13		14		13		13		SJV	
F1	DU-F1-A12	11/20/2024	7:49	11/21/2024	15:27	18%	7		6		7		7		3	U	3	U	3	U	3	U	15		13		11		13		SJV	
F1	DU-F1-A13	11/20/2024	7:56	11/22/2024	8:32	12%	12		9		7		9		3	U	3	U	3	U	3	U	10		8		10		9		SJV	
F1	DU-F1-A14	11/20/2024	8:23	11/22/2024	8:38	10%	8		8		10		9		3	U	3	U	3	U	3	U	16		25		19		20		SJV	
F1	DU-F1-A15	11/20/2024	8:27	11/22/2024	8:44	10%	4		4		6		5		3	U	3	U	3	U	3	U	8		10		10		9		SJV	
F1	DU-F1-A16	11/20/2024	8:34	11/22/2024	8:51	10%	7		8		6		7		3	U	3	U	3	U	3	U	16		20		19		18		SJV	
F1	DU-F1-A17	11/20/2024	8:39	11/22/2024	8:58	12%	6		5		6		6		3	U	3	U	3	U	3	U	10		10		12		11		SJV	
F1	DU-F1-A18	11/20/2024	8:43	11/22/2024	9:05	14%	7		8		7		7		3	U	3	U	3	U	3	U	11		15		10		12		SJV	
F1	DU-F1-A19	11/20/2024	9:04	11/22/2024	9:11	12%	5		3		3		4		3	U	3	U	3	U	3	U	12		10		13		12		SJV	
F1	DU-F1-A20	11/20/2024	9:11	11/22/2024	9:17	14%	9		6		7		7		4	U	3	U	4	U	4	U	12		14		19		15		SJV	
F1	DU-F1-A21	11/20/2024	9:17	11/22/2024	9:23	10%	6		6		4		5		3	U	3	U	3	U	3	U	15		14		13		14		SJV	
F1	DU-F1-A22	11/20/2024	9:21	11/22/2024	9:30	12%	7		5		8		7		3	U	3	U	3	U	3	U	14		24		15		18		SJV	

Table C-1
Arsenic, Mercury, and Lead Concentrations in Surface Soil by XRF

Sample Info							Arsenic (mg/kg)								Mercury (mg/kg)								Lead (mg/kg)								Analysis Comments	
Decision Unit	Sample ID	Collection Date	Collection Time	Analysis Date	Analysis Time	Moisture Content	As 1	Q	As 2	Q	As 3	Q	As Avg	Q	Hg 1	Q	Hg 2	Q	Hg 3	Q	Hg Avg	Q	Pb 1	Q	Pb 2	Q	Pb 3	Q	Pb Avg	Q	Initials	Notes
F1	DU-F1-A23	11/20/2024	9:27	11/22/2024	9:36	12%	3		5		6		5		3	U	4	U	3	U	3	U	16		15		10		14		SJV	
F1	DU-F1-A24	11/20/2024	9:32	11/22/2024	9:42	12%	6		4		4		5		3	U	3	U	3	U	3	U	10		13		15		13		SJV	
F1	DU-F1-A25	11/20/2024	9:41	11/22/2024	9:49	14%	4		5		4		4		3	U	3	U	3	U	3	U	11		9		12		11		SJV	
F1	DU-F1-A26	11/20/2024	9:45	11/22/2024	9:55	14%	8		9		7		8		3	U	3	U	3	U	3	U	12		12		13		12		SJV	
F1	DU-F1-A27	11/20/2024	9:50	11/22/2024	10:01	20%	6		5		5		5		3	U	3	U	3	U	3	U	11		10		10		10		SJV	
F1	DU-F1-A28	11/20/2024	9:56	11/22/2024	10:07	12%	7		9		5		7		3	U	3	U	3	U	3	U	12		10		13		12		SJV	
F1	DU-F1-A29	11/20/2024	10:01	11/22/2024	10:14	14%	7		7		8		7		3	U	3	U	3	U	3	U	16		18		16		17		SJV	
F1	DU-F1-A30	11/20/2024	10:07	11/22/2024	10:20	18%	6		9		4		6		3	U	3	U	3	U	3	U	10		16		14		13		SJV	
F2	DU-F2-A1	11/21/2024	10:02	11/25/2024	9:57	12%	5		4		4		4		3	U	3	U	3	U	3	U	13		12		12		12		SJV	
F2	DU-F2-A2	11/21/2024	10:07	11/25/2024	10:03	12%	7		6		6		6		3	U	2	U	3	U	3	U	12		13		15		13		SJV	
F2	DU-F2-A3	11/21/2024	10:12	11/25/2024	10:10	12%	4		6		6		5		3	U	3	U	3	U	3	U	16		16		13		15		SJV	
F2	DU-F2-A4	11/21/2024	10:21	11/25/2024	10:16	10%	4		6		5		5		3	U	3	U	3	U	3	U	13		12		15		13		SJV	
F2	DU-F2-A5	11/21/2024	10:25	11/25/2024	10:22	14%	7		6		4		6		3	U	3	U	3	U	3	U	17		13		13		14		SJV	
F2	DU-F2-A6	11/21/2024	10:29	11/25/2024	10:29	18%	7		6		4		6		3	U	3	U	3	U	3	U	14		16		14		15		SJV	
F2	DU-F2-A7	11/21/2024	10:34	11/25/2024	10:35	12%	8		6		7		7		3	U	3	U	2	U	3	U	7		15		17		13		SJV	
F2	DU-F2-A8	11/21/2024	10:38	11/25/2024	10:41	18%	3		2		6		4		3	U	3	U	2	U	3	U	10		10		16		12		SJV	
F2	DU-F2-A9	11/21/2024	10:46	11/25/2024	10:47	16%	5		4		7		5		3	U	3	U	3	U	3	U	13		14		17		15		SJV	
F2	DU-F2-A10	11/21/2024	10:51	11/25/2024	10:53	18%	9		10		8		9		4	U	3	U	3	U	3	U	13		13		15		14		SJV	
F2	DU-F2-A11	11/21/2024	10:56	11/25/2024	11:00	12%	4		9		6		6		3	U	3	U	3	U	3	U	9		14		11		11		SJV	
F2	DU-F2-A12	11/21/2024	11:13	11/25/2024	11:06	15%	6		4		3		4		3	U	3	U	3	U	3	U	13		17		9		13		SJV	
F2	DU-F2-A13	11/21/2024	11:18	11/25/2024	11:12	18%	8		8		8		8		3	U	3	U	3	U	3	U	17		14		16		16		SJV	
F2	DU-F2-A14	11/21/2024	11:24	11/25/2024	11:18	14%	7		8		9		8		3	U	3	U	3	U	3	U	14		14		17		15		SJV	
F2	DU-F2-A15	11/21/2024	11:31	11/25/2024	11:24	20%	7		5		8		7		3	U	3	U	3	U	3	U	14		12		11		12		SJV	
F2	DU-F2-A16	11/21/2024	12:31	11/25/2024	11:30	15%	8		8		9		8		3	U	3	U	3	U	3	U	11		14		12		12		SJV	
F2	DU-F2-A17	11/21/2024	12:37	11/25/2024	11:37	16%	5		6		5		5		3	U	3	U	3	U	3	U	11		12		12		12		SJV	
F2	DU-F2-A18	11/21/2024	12:42	11/25/2024	11:44	18%	7		4		5		5		3	U	3	U	3	U	3	U	15		15		12		14		SJV	
F2	DU-F2-A19	11/21/2024	12:47	11/25/2024	11:50	14%	6		6		6		6		3	U	3	U	3	U	3	U	22		23		22		22		SJV	
F2	DU-F2-A20	11/21/2024	12:56	11/25/2024	11:56	18%	7		6		9		7		3	U	3	U	3	U	3	U	12		14		16		14		SJV	
F2	DU-F2-A21	11/21/2024	13:02	11/25/2024	12:02	18%	8		5		5		6		3	U	3	U	3	U	3	U	16		13		26		18		SJV	
F2	DU-F2-A22	11/21/2024	13:07	11/25/2024	12:08	18%	5		10		6		7		3	U	3	U	3	U	3	U	18		13		12		14		SJV	
F2	DU-F2-A23	11/21/2024	13:13	11/25/2024	12:20	20%	7		8		6		7		3	U	3	U	3	U	3	U	15		16		17		16		SJV	had to change battery
F2	DU-F2-A24	11/21/2024	13:41	11/25/2024	12:27	20%	5		9		7		7		3	U	4	U	3	U	3	U	6		15		13		11		SJV	
F2	DU-F2-A25	11/21/2024	13:48	11/25/2024	12:34	18%	6		7		10		8		4	U	3	U	3	U	3	U	12		13		15		13		TD	
F2	DU-F2-A26	11/21/2024	14:02	11/25/2024	12:42	18%	9		8		6		8		3	U	3	U	3	U	3	U	18		15		14		16		TD	
F2	DU-F2-A27	11/21/2024	14:19	11/25/2024	12:49	19%	7		9		7		8		3	U	3	U	3	U	3	U	17		22		24		21		TD	
F2	DU-F2-A28	11/21/2024	14:23	11/25/2024	12:56	19%	5		5		12		7		3	U	3	U	3	U	3	U	10		13		11		11		TD	
F2	DU-F2-A29	11/21/2024	14:38	11/25/2024	13:02	10%	6		8		6		7		3	U	3	U	3	U	3	U	12		10		14		12		SJV	
F2	DU-F2-A30	11/21/2024	14:41	11/25/2024	13:08	10%	8		8		6		7		3	U	3	U	3	U	3	U	17		15		13		15		SJV	
F3	DU-F3-A1	11/22/2024	14:46	11/26/2024	7:26	10%	7		8		6		7		3	U	3	U	3	U	3	U	21		16		17		18		SJV	
F3	DU-F3-A2	11/22/2024	14:51	11/26/2024	7:32	12%	6		10		7		8		3	U	3	U	3	U	3	U	17		20		19		19		SJV	
F3	DU-F3-A3	11/22/2024	14:54	11/26/2024	7:39	12%	5		7		7		6		3	U	3	U	3	U	3	U	18		20		15		18		SJV	
F3	DU-F3-A4	11/22/2024	14:59	11/26/2024	7:45	12%	6		8		8		7		3	U	3	U	3	U	3	U	10		16		16		14		SJV	
F3	DU-F3-A5	11/22/2024	15:04	11/26/2024	7:52	10%	7		7		6		7		3	U	3	U	3	U	3	U	14		16		14		15		SJV	
F3	DU-F3-A6	11/22/2024	15:08	11/26/2024	7:59	12%	7		7		9		8		3	U	3	U	3	U	3	U	21		20		22		21		SJV	
F3	DU-F3-A7	11/22/2024	15:14	11/26/2024	8:06	12%	8		6		8		7		3	U	3	U	3	U	3	U	17		23		21		20		SJV	
F3	DU-F3-A8	11/22/2024	15:27	11/26/2024	8:13	14%	8		6		8		7		3	U	3	U	3	U	3	U	7		19		16		14		SJV	
F3	DU-F3-A9	11/22/2024	15:30	11/26/2024	8:20	10%	8		7		7		7		3	U	3	U	3	U	3	U	13		12		15		13		SJV	
F3	DU-F3-A10	11/22/2024	15:41	11/26/2024	8:27	12%	6		7		7		7		3	U	3	U	3	U	3	U	18		19		16		18		SJV	
F3	DU-F3-A11	11/25/2024	7:31	11/26/2024	8:33	10%	8		9		8		8		3	U	3	U	4	U	3	U	11		14		16		14		SJV	
F3	DU-F3-A12	11/25/2024	7:35	11/26/2024	8:39	10%	5		5		7		6		3	U	3	U	3	U	3	U	7		9		10		9		SJV	
F3	DU-F3-A13	11/25/2024	7:40	11/26/2024	8:45	10%	4		6		4		5		3	U	3	U	3	U	3	U	9		8		8		8		SJV	
F3	DU-F3-A14	11/25/2024	7:50	11/26/2024	8:52	12%	6		6		6		6		3	U	3	U	3	U	3	U	18		19		21		19		SJV	
F3	DU-F3-A15	11/25/2024	7:55	11/26/2024	9:00	12%	6		10		6		7		3	U	3	U	3	U	3	U	13		18		12		14		SJV	
F3	DU-F3-A16	11/25/2024	7:58	11/26/2024	9:06	10%	6		5		5		5		3	U	3	U	3	U	3	U	17		13		14		15		SJV	
F3	DU-F3-A17	11/25/2024	8:14	11/26/2024	9:12	10%	3		6		3		4		3	U	3	U	3	U	3	U	31		44		27		34		SJV	
F3	DU-F3-A18	11/25/2024	8:18	11/26/2024	9:21	12%	5		11		8		8		3	U	3	U	3	U	3	U	24		15		14		18		SJV	

Table C-1
Arsenic, Mercury, and Lead Concentrations in Surface Soil by XRF

Sample Info							Arsenic (mg/kg)								Mercury (mg/kg)								Lead (mg/kg)								Analysis Comments	
Decision Unit	Sample ID	Collection Date	Collection Time	Analysis Date	Analysis Time	Moisture Content	As 1	Q	As 2	Q	As 3	Q	As Avg	Q	Hg 1	Q	Hg 2	Q	Hg 3	Q	Hg Avg	Q	Pb 1	Q	Pb 2	Q	Pb 3	Q	Pb Avg	Q	Initials	Notes
F3	DU-F3-A19	11/25/2024	8:22	11/26/2024	9:27	10%	9		9		10		9		3	U	3	U	3	U	3	U	91		88		85		88		SJV	
F3	DU-F3-A20	11/25/2024	8:30	11/26/2024	9:34	10%	5		7		6		6		3	U	3	U	3	U	3	U	8		10		13		10		SJV	
F3	DU-F3-A21	11/25/2024	8:35	11/26/2024	9:40	12%	12		11		10		11		3	U	3	U	3	U	3	U	50		40		32		41		SJV	
F3	DU-F3-A22	11/25/2024	8:39	11/26/2024	9:46	10%	5		8		7		7		3	U	3	U	3	U	3	U	11		9		7		9		SJV	
F3	DU-F3-A23	11/25/2024	8:44	11/26/2024	9:54	10%	7		14		7		9		3	U	3	U	3	U	3	U	8		12		8		9		SJV	
F3	DU-F3-A24	11/25/2024	8:49	11/26/2024	10:00	10%	6		5		5		5		3	U	3	U	3	U	3	U	9		9		10		9		SJV	
F3	DU-F3-A25	11/25/2024	8:58	11/26/2024	10:07	12%	6		6		6		6		3	U	3	U	3	U	3	U	8		9		10		9		SJV	
F3	DU-F3-A26	11/25/2024	9:03	11/26/2024	10:13	10%	5		5		9		6		3	U	3	U	3	U	3	U	15		17		17		16		SJV	
F3	DU-F3-A27	11/25/2024	9:08	11/26/2024	10:20	12%	8		7		9		8		3	U	3	U	3	U	3	U	14		14		14		14		SJV	
F3	DU-F3-A28	11/25/2024	9:14	11/26/2024	10:26	12%	5		8		9		7		4	U	3	U	3	U	3	U	5		16		15		12		SJV	
F3	DU-F3-A29	11/25/2024	9:19	11/26/2024	10:32	10%	8		7		7		7		3	U	3	U	3	U	3	U	16		18		15		16		SJV	
F3	DU-F3-A30	11/25/2024	9:23	11/26/2024	10:38	10%	7		10		9		9		3	U	3	U	3	U	3	U	10		17		18		15		SJV	
T1	DU-T1-A1	11/19/2024	8:10	11/21/2024	10:35	10%	7		7		11		8		3	U	3	U	3	U	3	U	22		17		25		21		SJV	
T1	DU-T1-A2	11/19/2024	8:11	11/21/2024	10:43	10%	7		7		9		8		3	U	3	U	3	U	3	U	13		15		20		16		SJV	
T1	DU-T1-A3	11/19/2024	8:12	11/21/2024	10:50	11%	5		8		7		7		3	U	3	U	3	U	3	U	14		19		13		15		SJV	
T1	DU-T1-A4	11/19/2024	8:19	11/21/2024	10:56	10%	2		4		3		3		3	U	3	U	3	U	3	U	7		6		12		8		SJV	
T1	DU-T1-A5	11/19/2024	8:23	11/21/2024	11:05	11%	2	U	1	U	2	U	2	U	3	U	3	U	3	U	3	U	10		10		8		9		SJV	
T1	DU-T1-A6	11/19/2024	8:26	11/21/2024	11:11	10%	1	U	2	U	2	U	2	U	3	U	3	U	3	U	3	U	9		8		7		8		SJV	
T1	DU-T1-A7	11/19/2024	8:31	11/21/2024	11:17	12%	7		6		5		6		3	U	3	U	3	U	3	U	9		8		9		9		SJV	
T1	DU-T1-A8	11/19/2024	8:34	11/21/2024	11:24	12%	10		9		4		8		4	U	3	U	3	U	3	U	21		13		12		15		SJV	
T1	DU-T1-A9	11/19/2024	8:38	11/21/2024	11:33	10%	3		6		5		5		3	U	3	U	3	U	3	U	14		12		13		13		SJV	
T1	DU-T1-A10	11/19/2024	8:42	11/21/2024	11:39	11%	8		6		4		6		4	U	3	U	3	U	3	U	6		7		5		6		SJV	
T1	DU-T1-A11	11/19/2024	8:53	11/21/2024	11:45	12%	7		5		8		7		3	U	3	U	3	U	3	U	8		7		8		8		SJV	
T1	DU-T1-A12	11/19/2024	8:57	11/21/2024	12:00	12%	6		7		6		6		3	U	3	U	3	U	3	U	7		9		6		7		SJV	XRF low battery, had to switch battery & restart
T1	DU-T1-A13	11/19/2024	9:00	11/21/2024	12:06	10%	6		6		6		6		3	U	3	U	3	U	3	U	8		6		6		7		SJV	
T1	DU-T1-A14	11/19/2024	9:05	11/21/2024	12:12	12%	4		7		3		5		3	U	3	U	3	U	3	U	13		8		9		10		SJV	
T1	DU-T1-A15	11/19/2024	9:09	11/21/2024	12:18	10%	4		6		7		6		3	U	3	U	3	U	3	U	9		12		13		11		SJV	
T1	DU-T1-A16	11/19/2024	9:14	11/21/2024	12:24	10%	7		4		7		6		3	U	3	U	3	U	3	U	15		14		18		16		SJV	
T1	DU-T1-A17	11/19/2024	9:20	11/21/2024	12:33	10%	7		7		5		6		3	U	3	U	3	U	3	U	12		12		11		12		TD	XRF Frozen, had to power off and restart
T1	DU-T1-A18	11/19/2024	9:23	11/21/2024	12:44	10%	6		6		7		6		3	U	3	U	3	U	3	U	9		11		12		11		TD	
T1	DU-T1-A19	11/19/2024	9:34	11/21/2024	12:51	14%	7		5		6		6		3	U	3	U	3	U	3	U	13		14		12		13		TD	
T1	DU-T1-A20	11/19/2024	9:37	11/21/2024	12:58	12%	5		5		7		6		3	U	3	U	3	U	3	U	12		10		12		11		SJV	
T1	DU-T1-A21	11/19/2024	9:53	11/21/2024	13:04	10%	33		19		17		23		3	U	3	U	3	U	3	U	79		52		81		71		SJV	
T1	DU-T1-A22	11/19/2024	9:56	11/21/2024	13:10	12%	11		13		12		12		3	U	3	U	3	U	3	U	22		36		34		31		SJV	
T1	DU-T1-A23	11/19/2024	10:04	11/21/2024	13:17	12%	4		4		7		5		3	U	3	U	3	U	3	U	9		11		14		11		SJV	
T1	DU-T1-A24	11/19/2024	10:07	11/21/2024	13:23	15%	7		7		8		7		3	U	3	U	3	U	3	U	18		16		16		17		SJV	
T1	DU-T1-A25	11/19/2024	10:10	11/21/2024	13:31	10%	6		6		7		6		3	U	3	U	3	U	3	U	18		20		19		19		SJV	
T1	DU-T1-A26	11/19/2024	10:12	11/21/2024	13:37	10%	12		11		12		12		3	U	3	U	3	U	3	U	31		28		27		29		SJV	
T1	DU-T1-A27	11/19/2024	10:15	11/21/2024	13:44	10%	9		8		13		10		3	U	4	U	4	U	4	U	19		15		33		22		SJV	
T1	DU-T1-A28	11/19/2024	10:23	11/21/2024	13:51	11%	9		12		9		10		3	U	3	U	3	U	3	U	13		16		15		15		SJV	
T1	DU-T1-A29	11/19/2024	10:26	11/21/2024	13:58	10%	8		8		6		7		3	U	3	U	3	U	3	U	13		14		11		13		SJV	
T1	DU-T1-A30	11/19/2024	10:29	11/21/2024	14:05	12%	10		9		5		8		3	U	3	U	3	U	3	U	14		7		10		10		SJV	
T2	DU-T2-A1	11/20/2024	10:59	11/22/2024	13:50	22%	7		9		7		8		3	U	3	U	3	U	3	U	12		18		13		14		SJV	
T2	DU-T2-A2	11/20/2024	11:02	11/22/2024	13:57	20%	5		7		8		7		3	U	3	U	3	U	3	U	18		14		15		16		SJV	
T2	DU-T2-A3	11/20/2024	11:05	11/22/2024	14:03	18%	6		6		6		6		3	U	3	U	3	U	3	U	13		16		14		14		SJV	
T2	DU-T2-A4	11/20/2024	11:09	11/22/2024	14:10	20%	8		8		5		7		3	U	3	U	3	U	3	U	6		7		10		8		SJV	
T2	DU-T2-A5	11/20/2024	11:14	11/22/2024	14:17	22%	4		5		6		5		3	U	3	U	3	U	3	U	8		6		10		8		SJV	
T2	DU-T2-A6	11/20/2024	11:18	11/22/2024	14:23	18%	8		6		7		7		3	U	3	U	3	U	3	U	11		11		16		13		SJV	
T2	DU-T2-A7	11/20/2024	11:22	11/22/2024	14:28	18%	14		15		11		13		3	U	3	U	3	U	3	U	30		44		25		33		SJV	
T2	DU-T2-A8	11/20/2024	11:26	11/22/2024	14:38	18%	8		7		7		7		3	U	3	U	3	U	3	U	14		15		16		15		SJV	
T2	DU-T2-A9	11/20/2024	11:31	11/22/2024	14:44	16%	3		3		7		4		3	U	3	U	3	U	3	U	9		8		10		9		SJV	
T2	DU-T2-A10	11/20/2024	12:11	11/22/2024	14:51	16%	5		10		6		7		3	U	3	U	3	U	3	U	9		12		8		10		SJV	
T2	DU-T2-A11	11/20/2024	12:16	11/22/2024	14:57	16%	8		9		9		9		3	U	3	U	3	U	3	U	8		16		12		12		SJV	
T2	DU-T2-A12	11/20/2024	12:20	11/22/2024	15:03	16%	7		7		6		7		3	U	3	U	3	U	3	U	12		15		14		14		SJV	
T2	DU-T2-A13	11/20/2024	12:23	11/22/2024	15:10	16%	5		6		6		6		3	U	3	U	3	U	3	U	14		16		14		15		SJV	
T2	DU-T2-A14	11/20/2024	12:30	11/22/2024	15:22	18%	7		7		7		7		3	U	3	U	3	U	3	U	14		13		14		14		SJV	had to change battery

Table C-1
Arsenic, Mercury, and Lead Concentrations in Surface Soil by XRF

Sample Info							Arsenic (mg/kg)								Mercury (mg/kg)								Lead (mg/kg)								Analysis Comments	
Decision Unit	Sample ID	Collection Date	Collection Time	Analysis Date	Analysis Time	Moisture Content	As 1	Q	As 2	Q	As 3	Q	As Avg	Q	Hg 1	Q	Hg 2	Q	Hg 3	Q	Hg Avg	Q	Pb 1	Q	Pb 2	Q	Pb 3	Q	Pb Avg	Q	Initials	Notes
T2	DU-T2-A15	11/20/2024	12:34	11/22/2024	15:28	20%	5		5		7		6		3	U	3	U	3	U	3	U	9		10		12		10		SJV	
T2	DU-T2-A16	11/20/2024	12:56	11/22/2024	15:35	18%	7		9		6		7		3	U	3	U	3	U	3	U	10		11		11		11		SJV	
T2	DU-T2-A17	11/20/2024	12:59	11/22/2024	15:41	20%	9		7		8		8		3	U	4	U	3	U	3	U	13		11		11		12		SJV	
T2	DU-T2-A18	11/20/2024	13:03	11/22/2024	15:47	14%	7		7		10		8		3	U	4	U	3	U	3	U	10		11		12		11		SJV	
T2	DU-T2-A19	11/20/2024	13:06	11/22/2024	15:53	20%	8		6		6		7		3	U	3	U	3	U	3	U	8		10		12		10		SJV	
T2	DU-T2-A20	11/20/2024	13:10	11/22/2024	16:00	22%	5		4		6		5		3	U	3	U	3	U	3	U	13		13		13		13		SJV	
T2	DU-T2-A21	11/20/2024	13:17	11/22/2024	16:07	18%	5		12		14		10		3	U	3	U	3	U	3	U	16		34		44		31		SJV	
T2	DU-T2-A22	11/20/2024	13:20	11/25/2024	8:54	12%	5		7		6		6		3	U	3	U	3	U	3	U	17		11		17		15		SJV	
T2	DU-T2-A23	11/20/2024	13:23	11/25/2024	9:00	12%	8		6		8		7		3	U	3	U	3	U	3	U	13		16		16		15		SJV	
T2	DU-T2-A24	11/20/2024	13:29	11/25/2024	9:06	14%	5		7		6		6		3	U	3	U	3	U	3	U	16		12		16		15		SJV	
T2	DU-T2-A25	11/20/2024	13:34	11/25/2024	9:12	18%	7		5		6		6		3	U	3	U	3	U	3	U	10		14		11		12		SJV	
T2	DU-T2-A26	11/20/2024	13:40	11/25/2024	9:18	14%	11		15		15		14		3	U	3	U	3	U	3	U	18		20		19		19		SJV	
T2	DU-T2-A27	11/20/2024	13:45	11/25/2024	9:25	12%	7		4		10		7		3	U	3	U	3	U	3	U	14		13		13		13		SJV	
T2	DU-T2-A28	11/20/2024	14:02	11/25/2024	9:38	16%	7		6		8		7		3	U	3	U	3	U	3	U	18		19		14		17		SJV	XRF overheated, opened window and repositioned "stand"
T2	DU-T2-A29	11/20/2024	14:06	11/25/2024	9:44	18%	5		5		6		5		3	U	3	U	3	U	3	U	14		16		15		15		SJV	
T2	DU-T2-A30	11/20/2024	14:10	11/25/2024	9:50	16%	5		8		5		6		3	U	3	U	3	U	3	U	18		16		22		19		SJV	
T3	DU-T3-A1	11/21/2024	15:28	11/25/2024	13:15	18%	6		8		9		8		3	U	3	U	3	U	3	U	25		24		23		24		SJV	
T3	DU-T3-A2	11/21/2024	15:36	11/25/2024	13:21	20%	6		10		6		7		3	U	3	U	3	U	3	U	76		71		76		74		SJV	
T3	DU-T3-A3	11/21/2024	15:39	11/25/2024	13:28	18%	8		9		6		8		3	U	3	U	3	U	3	U	13		15		16		15		SJV	
T3	DU-T3-A4	11/21/2024	15:42	11/25/2024	13:34	20%	10		10		11		10		3	U	3	U	3	U	3	U	24		31		31		29		SJV	
T3	DU-T3-A5	11/21/2024	15:45	11/25/2024	13:40	20%	7		8		7		7		3	U	3	U	3	U	3	U	23		19		20		21		SJV	
T3	DU-T3-A6	11/22/2024	7:33	11/25/2024	13:46	14%	11		16		9		12		3	U	3	U	3	U	3	U	27		33		27		29		SJV	
T3	DU-T3-A7	11/22/2024	7:36	11/25/2024	13:53	12%	4		3		3		3		3	U	3	U	3	U	3	U	5		7		6		6		SJV	
T3	DU-T3-A8	11/22/2024	7:41	11/25/2024	14:00	14%	10		10		7		9		3	U	3	U	3	U	3	U	25		30		24		26		SJV	
T3	DU-T3-A9	11/22/2024	7:45	11/25/2024	14:07	12%	10		9		7		9		3	U	3	U	3	U	3	U	21		21		19		20		SJV	
T3	DU-T3-A10	11/22/2024	7:49	11/25/2024	14:14	12%	7		6		7		7		3	U	3	U	3	U	3	U	11		17		15		14		SJV	
T3	DU-T3-A11	11/22/2024	7:53	11/25/2024	14:20	18%	2		7		7		5		3	U	3	U	3	U	3	U	55		14		12		27		SJV	
T3	DU-T3-A12	11/22/2024	8:04	11/25/2024	14:27	16%	6		5		5		5		3	U	3	U	3	U	3	U	20		18		16		18		SJV	
T3	DU-T3-A13	11/22/2024	8:26	11/25/2024	14:33	16%	7		10		10		9		3	U	3	U	4	U	3	U	8		16		18		14		SJV	
T3	DU-T3-A14	11/22/2024	8:32	11/25/2024	14:39	16%	6		9		8		8		3	U	3	U	3	U	3	U	11		15		14		13		SJV	
T3	DU-T3-A15	11/22/2024	8:36	11/25/2024	14:45	14%	4		7		7		6		3	U	3	U	3	U	3	U	22		19		21		21		SJV	
T3	DU-T3-A16	11/22/2024	8:30	11/25/2024	14:53	18%	9		7		6		7		3	U	3	U	3	U	3	U	22		17		18		19		SJV	
T3	DU-T3-A17	11/22/2024	8:43	11/25/2024	15:00	18%	3		4		4		4		3	U	3	U	2	U	3	U	7		7		5		6		SJV	
T3	DU-T3-A18	11/22/2024	8:47	11/25/2024	15:06	18%	23		8		11		14		4	U	3	U	3	U	3	U	38		13		18		23		SJV	
T3	DU-T3-A19	11/22/2024	8:50	11/25/2024	15:13	20%	14		2		2		6		3	U	3	U	3	U	3	U	16		6		7		10		SJV	
T3	DU-T3-A20	11/22/2024	8:54	11/25/2024	15:19	20%	4		5		3		4		3	U	3	U	3	U	3	U	6		5		3		5		SJV	
T3	DU-T3-A21	11/22/2024	8:59	11/25/2024	15:26	10%	28		25		27		27		3	U	3	U	3	U	3	U	23		29		26		26		SJV	
T3	DU-T3-A22	11/22/2024	9:05	11/25/2024	15:33	10%	5		4		5		5		3	U	3	U	3	U	3	U	11		11		7		10		SJV	
T3	DU-T3-A23	11/22/2024	9:28	11/25/2024	15:39	10%	10		16		14		13		3	U	3	U	3	U	3	U	18		17		20		18		SJV	
T3	DU-T3-A24	11/22/2024	9:32	11/25/2024	15:49	10%	15		8		12		12		3	U	3	U	3	U	3	U	12		62		14		29		SJV	had to change battery
T3	DU-T3-A25	11/22/2024	9:40	11/25/2024	15:56	12%	7		9		6		7		3	U	3	U	3	U	3	U	13		17		11		14		SJV	
T3	DU-T3-A26	11/22/2024	9:45	11/25/2024	16:02	10%	9		7		14		10		3	U	3	U	3	U	3	U	15		15		21		17		SJV	
T3	DU-T3-A27	11/22/2024	9:49	11/25/2024	16:09	10%	12		13		12		12		3	U	3	U	3	U	3	U	19		19		23		20		SJV	
T3	DU-T3-A28	11/22/2024	9:53	11/25/2024	16:15	12%	29		15		19		21		3	U	3	U	3	U	3	U	69		39		51		53		SJV	
T3	DU-T3-A29	11/22/2024	10:10	11/25/2024	16:21	12%	7		7		5		6		3	U	3	U	3	U	3	U	10		18		13		14		SJV	
T3	DU-T3-A30	11/22/2024	10:13	11/25/2024	16:27	10%	7		5		9		7		3	U	3	U	3	U	3	U	20		19		28		22		SJV	
M1	DU-M1-A1	11/25/2024	11:36	11/25/2024	10:57	10%	4		5		7		5		3	U	3	U	3	U	3	U	10		12		13		12		SJV	
M1	DU-M1-A2	11/25/2024	11:41	11/25/2024	11:03	10%	9		7		9		8		3	U	3	U	3	U	3	U	40		20		42		34		SJV	
M1	DU-M1-A3	11/25/2024	11:45	11/25/2024	11:09	12%	9		8		13		10		3	U	3	U	3	U	3	U	17		16		19		17		SJV	
M1	DU-M1-A4	11/25/2024	11:50	11/25/2024	11:15	10%	9		7		6		7		3	U	3	U	3	U	3	U	12		7		8		9		SJV	
M1	DU-M1-A5	11/25/2024	11:53	11/25/2024	11:22	10%	6		6		6		6		3	U	3	U	3	U	3	U	15		7		12		11		SJV	
M1	DU-M1-A6	11/25/2024	12:04	11/25/2024	11:28	10%	8		5		8		7		3	U	3	U	3	U	3	U	9		10		14		11		SJV	
M1	DU-M1-A7	11/25/2024	12:37	11/25/2024	11:34	10%	7		10		10		9		3	U	3	U	3	U	3	U	24		22		25		24		SJV	
M1	DU-M1-A8	11/25/2024	13:10	11/25/2024	11:41	11%	11		12		14		12		3	U	3	U	3	U	3	U	56		66		79		67		SJV	
M1	DU-M1-A9	11/25/2024	13:22	11/25/2024	11:47	10%	7		9		6		7		3	U	3	U	4	U	3	U	32		25		14		24		SJV	
M1	DU-M1-A10	11/25/2024	13:26	11/25/2024	11:53	10%	6		6		6		6		3	U	3	U	3	U	3	U	9		8		7		8		SJV	

Table C-1
Arsenic, Mercury, and Lead Concentrations in Surface Soil by XRF

Sample Info							Arsenic (mg/kg)								Mercury (mg/kg)								Lead (mg/kg)								Analysis Comments	
Decision Unit	Sample ID	Collection Date	Collection Time	Analysis Date	Analysis Time	Moisture Content	As 1	Q	As 2	Q	As 3	Q	As Avg	Q	Hg 1	Q	Hg 2	Q	Hg 3	Q	Hg Avg	Q	Pb 1	Q	Pb 2	Q	Pb 3	Q	Pb Avg	Q	Initials	Notes
M1	**DU-M1-A11**	11/25/2024	13:30	11/25/2024	11:59	10%	**19**		**6**		**8**		**11**		3	U	3	U	3	U	3	U	**106**		**38**		**52**		**65**		SJV	
M1	**DU-M1-A12**	11/25/2024	13:34	11/25/2024	12:06	10%	**8**		**6**		**7**		**7**		3	U	3	U	3	U	3	U	**35**		**32**		**37**		**35**		SJV	
M1	**DU-M1-A13**	11/25/2024	13:42	11/25/2024	12:12	10%	**7**		**5**		**3**		**5**		3	U	3	U	3	U	3	U	**15**		**12**		**14**		**14**		SJV	
M1	**DU-M1-A14**	11/25/2024	13:54	11/25/2024	12:18	12%	**16**		**18**		**23**		**19**		3	U	3	U	3	U	3	U	**42**		**60**		**58**		**53**		SJV	
M1	**DU-M1-A15**	11/25/2024	13:59	11/25/2024	12:24	10%	**5**		**8**		**7**		**7**		3	U	3	U	3	U	3	U	**15**		**23**		**24**		**21**		SJV	
M1	**DU-M1-A16**	11/25/2024	14:23	11/25/2024	12:32	10%	**9**		**8**		**5**		**7**		3	U	3	U	3	U	3	U	**19**		**6**		**7**		**11**		TD	
M1	**DU-M1-A17**	11/25/2024	14:26	11/25/2024	12:39	12%	**6**		**6**		**5**		**6**		3	U	3	U	3	U	3	U	**15**		**14**		**15**		**15**		TD	
M1	**DU-M1-A18**	11/25/2024	14:31	11/25/2024	12:46	10%	**8**		**7**		**7**		**7**		3	U	3	U	3	U	3	U	**9**		**8**		**10**		**9**		TD	
M1	**DU-M1-A19**	11/25/2024	14:39	11/25/2024	12:53	12%	**7**		**7**		**6**		**7**		3	U	3	U	3	U	3	U	**23**		**21**		**22**		**22**		TD	
M1	**DU-M1-A20**	11/25/2024	14:44	11/25/2024	13:00	10%	**7**		**8**		**11**		**9**		3	U	3	U	3	U	3	U	**22**		**24**		**25**		**24**		TD	
M1	**DU-M1-A21**	11/25/2024	14:50	11/25/2024	13:07	10%	**7**		**11**		**9**		**9**		3	U	3	U	3	U	3	U	**54**		**53**		**68**		**58**		TD	
M1	**DU-M1-A22**	11/25/2024	14:54	11/25/2024	13:15	10%	**8**		**7**		**8**		**8**		3	U	3	U	3	U	3	U	**12**		**10**		**11**		**11**		SJV	
M1	**DU-M1-A23**	11/25/2024	14:58	11/25/2024	13:21	12%	**7**		**8**		**6**		**7**		3	U	3	U	2	U	3	U	**27**		**32**		**18**		**26**		SJV	
M1	**DU-M1-A24**	11/25/2024	15:02	11/25/2024	13:27	10%	**8**		**9**		**14**		**10**		3	U	3	U	4	U	3	U	**22**		**22**		**20**		**21**		SJV	
M1	**DU-M1-A25**	11/25/2024	15:28	11/25/2024	13:33	10%	**7**		**8**		**9**		**8**		3	U	3	U	3	U	3	U	**21**		**20**		**26**		**22**		SJV	
M1	**DU-M1-A26**	11/25/2024	15:32	11/25/2024	13:40	10%	**8**		**10**		**10**		**9**		3	U	3	U	3	U	3	U	**89**		**98**		**108**		**98**		SJV	
M1	**DU-M1-A27**	11/25/2024	15:38	11/25/2024	13:47	11%	**9**		**5**		**7**		**7**		3	U	3	U	3	U	3	U	**25**		**21**		**22**		**23**		SJV	
M1	**DU-M1-A28**	11/25/2024	15:41	11/25/2024	13:54	10%	**5**		**9**		**9**		**8**		3	U	3	U	3	U	3	U	**16**		**23**		**5**		**15**		SJV	
M1	**DU-M1-A29**	11/25/2024	15:44	11/25/2024	14:01	10%	**8**		**7**		**6**		**7**		3	U	3	U	3	U	3	U	**29**		**23**		**34**		**29**		SJV	
M1	**DU-M1-A30**	11/25/2024	15:47	11/25/2024	14:07	12%	**16**		**7**		**4**		**9**		3	U	3	U	3	U	3	U	**120**		**49**		**49**		**73**		SJV	

Key:

mg/kg - milligrams per kilogram (parts per million)

Q - laboratory result qualifier

U - Analyte not detected; limit of quantitation listed

As - Arsenic

Hg - Mercury

PB - Lead

Bold results indicate detections of the analyte

Shaded results indicate an exceedance of the Non-Urban Background or Residential Vermont Soil Standard from Investigation and Remediation of Contaminated Properties Rule, February 2024

NA - Not analyzed

Table C-2
Metal Concentrations in Soil

Sample ID		VSS - Non-resident	VSS -Resident	VSS - Non-Urban Background	EPA Residential RSL	EPA Industrial RSL	DU-F1-A		DU-F1-B		DU-F1-C		DU-F2-A		DU-F2-B		DU-F2-C	
Sample Date							11/20/2024	Q	11/20/2024	Q	11/20/2024	Q	11/21/2024	Q	11/22/2024	Q	11/22/2024	Q
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)												
Antimony	7440-36-0	29	319	NE	31	470	5.1	U	5.2	U	**0.62**	J	15	U	15	U	15	U
Arsenic	7440-38-2	NE	NE	16	0.68	3.0	**2.0**		**1.7**		**1.7**		**5.1**		**2.0**	J	**3.7**	J
Barium	7440-39-3	11247	127382	NE	15000	220000	**11**		**9.7**		**9.4**		**30**		**20**		**24**	
Beryllium	7440-41-7	35	289	NE	160	2300	**0.082**	J	**0.074**	J	**0.085**	J	**0.31**	J	**0.25**	J	**0.26**	J
Cadmium	7440-43-9	6.9	87	NE	7.1	100	**0.17**	J	**0.14**	J	**0.17**	J	**0.44**	J	**0.33**	J	**0.36**	J
Chromium	7440-47-3	NE	NE	NE	NE	NE	**6.2**		**5.8**		**7.2**		**20**		**20**		**19**	
Copper	7440-50-8	10407	139231	NE	3100	47000	**5.5**		**4.4**		**8.2**		**23**		**19**		**21**	
Lead	7439-92-1	NE	NE	41	200	800	**5.1**		**3.8**		**5.3**		**13**		**10**		**12**	
Nickel	7440-02-0	940	9707	NE	1400	17000	**7.2**		**6.1**		**7.5**		**24**		**22**		**21**	
Selenium	7782-49-2	366	4900	NE	390	5800	1.5	U	1.6	U	1.7	U	4.6	U	4.5	U	4.5	U
Silver	7440-22-4	237	2483	NE	390	5800	1.5	U	1.6	U	1.7	U	4.6	U	4.5	U	4.5	U
Thallium	7440-28-0	NE	NE	NE	0.78	12	3.0	U	3.1	U	3.3	U	9.3	U	9.0	U	9.0	U
Zinc	7440-66-6	21986	294150	NE	23000	350000	**18**		**15**		**19**		**54**		**43**		**57**	
Mercury	7439-97-6	3.1	3.1	NE	7.1	30	**0.065**		**0.057**		**0.090**		**0.047**		**0.043**	J	**0.036**	J

Sample ID		VSS - Non-resident	VSS -Resident	VSS - Non-Urban Background	EPA Residential RSL	EPA Industrial RSL	DU-F3-A		DU-F3-B		DU-F3-C		DU-G1-A		DU-G1-B		DU-G1-C	
Sample Date	CAS#						11/25/2024	Q	11/25/2024	Q	11/25/2024	Q	11/19/2024	Q	11/19/2024	Q	11/19/2024	Q
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)												
Antimony	7440-36-0	29	319	NE	31	470	16	U	16	U	**1.7**	J	**0.82**	J	**0.60**	J	4.6	U
Arsenic	7440-38-2	NE	NE	16	0.68	3.0	**2.4**	J	**4.3**	J	**4.8**	J	**44**		**12**		**18**	
Barium	7440-39-3	11247	127382	NE	15000	220000	**15**		**19**		**17**		**8.0**		**6.9**		**9.2**	
Beryllium	7440-41-7	35	289	NE	160	2300	**0.2**	J	**0.25**	J	**0.24**	J	**0.058**	J	**0.060**	J	**0.044**	J
Cadmium	7440-43-9	6.9	87	NE	7.1	100	**0.3**	J	**0.35**	J	**0.34**	J	**0.16**	J	**0.15**	J	**0.12**	J
Chromium	7440-47-3	NE	NE	NE	NE	NE	**15**		**17**		**17**		**12**		**11**		**8.3**	
Copper	7440-50-8	10407	139231	NE	3100	47000	**18**		**22**		**20**		**6.3**		**7.8**		**4.6**	
Lead	7439-92-1	NE	NE	41	200	800	**11**		**16**		**16**		**120**		**35**		**52**	
Nickel	7440-02-0	940	9707	NE	1400	17000	**18**		**23**		**21**		**6.8**		**7.3**		**5.4**	
Selenium	7782-49-2	366	4900	NE	390	5800	4.9	U	4.9	U	6.8	U	1.6	U	1.6	U	1.4	U
Silver	7440-22-4	237	2483	NE	390	5800	4.9	U	4.9	U	6.8	U	1.6	U	1.6	U	1.4	U
Thallium	7440-28-0	NE	NE	NE	0.78	12	9.8	U	9.8	U	14	U	3.2	U	3.1	U	2.7	U
Zinc	7440-66-6	21986	294150	NE	23000	350000	**36**		**44**		**42**		**17**		**19**		**15**	
Mercury	7439-97-6	3.1	3.1	NE	7.1	30	**0.046**		**0.053**		**0.048**	J	***6.5***		**2.7**		***4.2***	

Sample ID		VSS - Non-resident	VSS -Resident	VSS - Non-Urban Background	EPA Residential RSL	EPA Industrial RSL	DU-G2-A		DU-G2-B		DU-G2-C		DU-G3-A		DU-G3-B		DU-G3-C	
Sample Date	CAS#						11/21/2024	Q	11/21/2024	Q	11/21/2024	Q	11/22/2024	Q	11/22/2024	Q	11/22/2024	Q
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)												
Antimony	7440-36-0	29	319	NE	31	470	**0.92**	J	9.0	U	**0.79**	J	**0.90**	J	**0.69**	J	9.3	U
Arsenic	7440-38-2	NE	NE	16	0.68	3.0	**34**		**23**		**14**		**73**		**32**		**20**	
Barium	7440-39-3	11247	127382	NE	15000	220000	**11**		**11**		**8.1**		**15**		**12**		**9.8**	
Beryllium	7440-41-7	35	289	NE	160	2300	**0.14**	J	**0.14**	J	**0.11**	J	**0.16**	J	**0.13**	J	**0.12**	J
Cadmium	7440-43-9	6.9	87	NE	7.1	100	**0.35**	J	**0.36**	J	**0.27**	J	**0.38**	J	**0.42**	J	**0.36**	J
Chromium	7440-47-3	NE	NE	NE	NE	NE	**22**		**25**		**15**		**51**		**32**		**19**	
Copper	7440-50-8	10407	139231	NE	3100	47000	**17**		**17**		**13**		**18**		**16**		**15**	
Lead	7439-92-1	NE	NE	41	200	800	**110**		**87**		**74**		**240**		**190**		**82**	
Nickel	7440-02-0	940	9707	NE	1400	17000	**15**		**17**		**11**		**15**		**13**		**11**	
Selenium	7782-49-2	366	4900	NE	390	5800	2.9	U	2.7	U	2.6	U	2.9	U	2.3	U	2.8	U
Silver	7440-22-4	237	2483	NE	390	5800	2.9	U	2.7	U	2.6	U	2.9	U	2.3	U	2.8	U
Thallium	7440-28-0	NE	NE	NE	0.78	12	5.7	U	5.4	U	5.1	U	5.8	U	4.5	U	5.6	U
Zinc	7440-66-6	21986	294150	NE	23000	350000	**36**		**37**		**30**		**45**		**40**		**37**	
Mercury	7439-97-6	3.1	3.1	NE	7.1	30	***6.5***		***7.1***		***4.2***		***6.2***		***5.1***		***5.1***	

Table C-1
Metal Concentrations in Soil

Sample ID		VSS - Non-resident	VSS -Resident	VSS - Non-Urban Background	EPA Residential RSL	EPA Industrial RSL	DU-T1-A		DU-T1-B		DU-T1-C		DU-T2-A		DU-T2-B		DU-T2-C	
Sample Date	**CAS#**						**11/19/2024**	**Q**	**11/19/2024**	**Q**	**11/19/2024**	**Q**	**11/20/2024**	**Q**	**11/20/2024**	**Q**	**11/20/2024**	**Q**
		(mg/kg)	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**												
Antimony	7440-36-0	29	319	NE	31	470	**1.0**	J	9.8	U	**0.55**	J	**0.49**	J	6.1	U	11	U
Arsenic	7440-38-2	NE	NE	16	0.68	3.0	**3.5**		**2.6**	J	**1.6**		**2.3**		**1.6**	J	**4.3**	
Barium	7440-39-3	11247	127382	NE	15000	220000	**17**		**5.7**		**9.9**		**8.6**		**9.9**		**13**	
Beryllium	7440-41-7	35	289	NE	160	2300	**0.10**	J	**0.053**	J	**0.058**	J	**0.089**	J	**0.094**	J	**0.16**	J
Cadmium	7440-43-9	6.9	87	NE	7.1	100	**0.28**	J	**0.15**	J	**0.14**	J	**0.18**	J	**0.18**	J	**0.29**	J
Chromium	7440-47-3	NE	NE	NE	NE	NE	**15**		**9.5**		**7.6**		**7.9**		**7.9**		**16**	
Copper	7440-50-8	10407	139231	NE	3100	47000	**12**		**7.1**		**5.2**		**9.0**		**6.5**		**18**	
Lead	7439-92-1	NE	NE	41	200	800	**7.9**		**4.7**		**4.6**		**4.5**		**4.5**		**7.5**	
Nickel	7440-02-0	940	9707	NE	1400	17000	**19**		**8.5**		**7.3**		**10**		**8.6**		**15**	
Selenium	7782-49-2	366	4900	NE	390	5800	3.4	U	2.9	U	1.6	U	1.4	U	1.8	U	3.3	U
Silver	7440-22-4	237	2483	NE	390	5800	3.4	U	2.9	U	1.6	U	1.4	U	1.8	U	3.3	U
Thallium	7440-28-0	NE	NE	NE	0.78	12	6.9	U	5.9	U	3.3	U	2.8	U	3.7	U	6.5	U
Zinc	7440-66-6	21986	294150	NE	23000	350000	**34**		**20**		**15**		**23**		**17**		**34**	
Mercury	7439-97-6	3.1	3.1	NE	7.1	30	**0.029**	J	**0.031**	J	**0.042**	J	**0.050**	J	**0.037**	J	**0.040**	J

Sample ID		VSS - Non-resident	VSS -Resident	VSS - Non-Urban Background	EPA Residential RSL	EPA Industrial RSL	DU-T3-A		DU-T3-B		DU-T3-C		DU-M1-A		DU-M1-B		DU-M1-C	
Sample Date	**CAS#**						**11/22/2024**	**Q**	**11/22/2024**	**Q**	**11/22/2024**	**Q**	**11/25/2024**	**Q**	**11/25/2024**	**Q**	**11/25/2024**	**Q**
		(mg/kg)	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**												
Antimony	7440-36-0	29	319	NE	31	470	18	U	17	U	9.5	U	**1.5**	J	**1.4**	J	**1.2**	J
Arsenic	7440-38-2	NE	NE	16	0.68	3.0	**7.1**		**3.9**	J	**4.8**		**7.1**		**6.9**		**7.3**	
Barium	7440-39-3	11247	127382	NE	15000	220000	**20**		**14**		**13**		**12**		**7.9**		**13**	
Beryllium	7440-41-7	35	289	NE	160	2300	**0.26**	J	**0.22**	J	**0.17**	J	**0.17**	J	**0.15**	J	**0.16**	J
Cadmium	7440-43-9	6.9	87	NE	7.1	100	**0.39**	J	**0.33**	J	**0.26**	J	**0.33**	J	**0.37**	J	**0.39**	J
Chromium	7440-47-3	NE	NE	NE	NE	NE	**21**		**19**		**17**		**27**		**19**		**19**	
Copper	7440-50-8	10407	139231	NE	3100	47000	**25**		**23**		**17**		**7.5**		**6.4**		**8.2**	
Lead	7439-92-1	NE	NE	41	200	800	**18**		**12**		**11**		**40**		**28**		**36**	
Nickel	7440-02-0	940	9707	NE	1400	17000	**26**		**21**		**16**		**26**		**26**		**22**	
Selenium	7782-49-2	366	4900	NE	390	5800	5.4	U	5.2	U	2.9	U	3.2	U	4.5	U	3.5	U
Silver	7440-22-4	237	2483	NE	390	5800	5.4	U	5.2	U	2.9	U	3.2	U	4.5	U	3.5	U
Thallium	7440-28-0	NE	NE	NE	0.78	12	11	U	10	U	5.7	U	6.4	U	8.9	U	7.0	U
Zinc	7440-66-6	21986	294150	NE	23000	350000	**51**		**41**		**31**		**37**		**44**		**50**	
Mercury	7439-97-6	3.1	3.1	NE	7.1	30	**0.045**	J	**0.042**	J	**0.045**	J	**0.12**		**0.16**		**0.14**	

Sample ID		VSS - Non-resident	VSS -Resident	VSS - Non-Urban Background	EPA Residential RSL	EPA Industrial RSL	DU-M1-D		DU-M1-E		R1-1		R1-2		R1-3		SB-1-1.0	
Sample Date	**CAS#**						**11/25/2024**	**Q**	**11/25/2024**	**Q**	**11/26/2024**	**Q**	**11/26/2024**	**Q**	**11/26/2024**	**Q**	**12/3/2024**	**Q**
		(mg/kg)	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**												
Antimony	7440-36-0	29	319	NE	31	470	NA		NA		**1.4**	J	**1.4**	J	**1.4**	J	**0.57**	J
Arsenic	7440-38-2	NE	NE	16	0.68	3.0	NA		NA		**4.8**		**5.7**		**6.4**		**3.6**	
Barium	7440-39-3	11247	127382	NE	15000	220000	NA		NA		**26**		**40**		**25**		**8.7**	
Beryllium	7440-41-7	35	289	NE	160	2300	NA		NA		**0.13**	J	**0.18**	J	**0.14**	J	**0.070**	J
Cadmium	7440-43-9	6.9	87	NE	7.1	100	NA		NA		**0.32**	J	**0.44**	J	**0.38**	J	**0.22**	J
Chromium	7440-47-3	NE	NE	NE	NE	NE	NA		NA		**18**		**22**		**21**		**11**	
Copper	7440-50-8	10407	139231	NE	3100	47000	NA		NA		**3.2**		**11**		**19**		**14**	
Lead	7439-92-1	NE	NE	41	200	800	**20**		**19**		**8.6**		**12**		**7.4**		**4.9**	
Nickel	7440-02-0	940	9707	NE	1400	17000	NA		NA		**16**		**24**		**25**		**13**	
Selenium	7782-49-2	366	4900	NE	390	5800	NA		NA		3.7	U	3.9	U	3.3	U	1.8	U
Silver	7440-22-4	237	2483	NE	390	5800	NA		NA		3.7	U	3.9	U	3.3	U	1.8	U
Thallium	7440-28-0	NE	NE	NE	0.78	12	NA		NA		7.4	U	7.7	U	6.6	U	3.7	U
Zinc	7440-66-6	21986	294150	NE	23000	350000	NA		NA		**39**		**44**		**56**		**26**	
Mercury	7439-97-6	3.1	3.1	NE	7.1	30	NA		NA		**0.034**	J	**0.026**	J	**0.013**	J	0.053	U

Table C-2
Metal Concentrations in Soil

Sample ID		VSS - Non-resident	VSS -Resident	VSS - Non-Urban Background	EPA Residential RSL	EPA Industrial RSL	SB-2-2.0		SB-2-4.0		SB-3-2.0		SB-3-2.0-FD		SB-3-4.0		SB-4-2.0		RPD
Sample Date	CAS#						12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	SB-3-2.0
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)													
Antimony	7440-36-0	29	319	NE	31	470	**0.81**	J	**0.89**	J	**0.71**	J	**0.91**	J	**0.93**	J	9.7	U	25%
Arsenic	7440-38-2	NE	NE	16	0.68	3.0	**3.7**		**3.5**		**3.6**		**3.5**		**3.3**		**3.7**		3%
Barium	7440-39-3	11247	127382	NE	15000	220000	**9.5**		**10**		**9.5**		**9.3**		**7.0**		**15**		2%
Beryllium	7440-41-7	35	289	NE	160	2300	**0.11**	J	**0.096**	J	**0.27**	J	**0.25**	J	**0.12**	J	**0.16**	J	8%
Cadmium	7440-43-9	6.9	87	NE	7.1	100	**0.24**	J	**0.24**	J	**0.36**	J	**0.32**	J	**0.30**	J	**0.30**	J	12%
Chromium	7440-47-3	NE	NE	NE	NE	NE	**18**		**13**		**22**		**20**		**13**		**16**		10%
Copper	7440-50-8	10407	139231	NE	3100	47000	**9.0**		**11**		**6.5**		**6.5**		**8.0**		**9.6**		0%
Lead	7439-92-1	NE	NE	41	200	800	**4.5**		**5.3**		**6.4**		**6.5**		**4.9**		**12**		2%
Nickel	7440-02-0	940	9707	NE	1400	17000	**26**		**21**		**21**		**22**		**15**		**26**		5%
Selenium	7782-49-2	366	4900	NE	390	5800	2.8	U	2.4	U	2.4	U	3.2	U	2.8	U	2.9	U	-
Silver	7440-22-4	237	2483	NE	390	5800	2.8	U	2.4	U	2.4	U	3.2	U	2.8	U	2.9	U	-
Thallium	7440-28-0	NE	NE	NE	0.78	12	5.6	U	4.8	U	4.7	U	6.4	U	5.6	U	5.8	U	-
Zinc	7440-66-6	21986	294150	NE	23000	350000	**20**		**23**		**25**		**24**		**16**		**30**		4%
Mercury	7439-97-6	3.1	3.1	NE	7.1	30	**0.0087**	J	**0.015**	J	**0.029**	J	**0.024**	J	**0.015**	J	**0.051**		19%

Sample ID		VSS - Non-resident	VSS -Resident	VSS - Non-Urban Background	EPA Residential RSL	EPA Industrial RSL	SB-4-4.0		SB-5-2.0		SB-5-4.0		SB-5-4.0-FD		SB-6-2.0		SB-6-4.0		RPD
Sample Date	CAS#						12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	SB-5-4.0
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)													
Antimony	7440-36-0	29	319	NE	31	470	**1.1**	J	**0.83**	J	**0.84**	J	**0.81**	J	**0.64**	J	8.5	U	4%
Arsenic	7440-38-2	NE	NE	16	0.68	3.0	**3.9**		**8.1**		**6.3**		**13**		**9.4**		**6.0**		69%
Barium	7440-39-3	11247	127382	NE	15000	220000	**12**		**13**		**9.4**		**14**		**18**		**11**		39%
Beryllium	7440-41-7	35	289	NE	160	2300	**0.12**	J	**0.17**	J	**0.15**	J	**0.17**	J	**0.15**		**0.11**	J	13%
Cadmium	7440-43-9	6.9	87	NE	7.1	100	**0.27**	J	**0.32**	J	**0.27**	J	**0.34**	J	**0.38**		**0.28**	J	23%
Chromium	7440-47-3	NE	NE	NE	NE	NE	**23**		**20**		**16**		**18**		**22**		**18**		12%
Copper	7440-50-8	10407	139231	NE	3100	47000	**10**		**9.0**		**6.5**		**9.7**		**6.9**		**7.6**		40%
Lead	7439-92-1	NE	NE	41	200	800	**4.5**		**10**		**7.8**		**13**		**14**		**4.0**		50%
Nickel	7440-02-0	940	9707	NE	1400	17000	**33**		**30**		**22**		**29**		**27**		**32**		27%
Selenium	7782-49-2	366	4900	NE	390	5800	2.4	U	2.6	U	1.7	U	2.6	U	2.4	U	2.6	U	-
Silver	7440-22-4	237	2483	NE	390	5800	2.4	U	2.6	U	1.7	U	2.6	U	2.4	U	2.6	U	-
Thallium	7440-28-0	NE	NE	NE	0.78	12	4.7	U	5.2	U	3.3	U	5.2	U	4.8	U	5.1	U	-
Zinc	7440-66-6	21986	294150	NE	23000	350000	**23**		**28**		**23**		**29**		**33**		**23**		23%
Mercury	7439-97-6	3.1	3.1	NE	7.1	30	**0.031**	J	**0.28**		**0.20**		**0.44**		**0.51**		**0.052**		75%

Sample ID		VSS - Non-resident	VSS -Resident	VSS - Non-Urban Background	EPA Residential RSL	EPA Industrial RSL	SB-7-2.0		SB-7-4.0		SB-8-2.0		SB-8-4.0		SB-9-2.0		SB-9-4.0	
Sample Date	CAS#						12/4/2024	Q	12/4/2024	Q	12/3/2024	Q	12/3/2024	Q	12/3/2024	Q	12/3/2024	Q
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)												
Antimony	7440-36-0	29	319	NE	31	470	**0.87**	J	**0.61**	J	**1.1**	J	**0.60**	J	**0.98**	J	**0.59**	J
Arsenic	7440-38-2	NE	NE	16	0.68	3.0	**5.1**		**4.9**		**15**		**3.2**		**5.8**		**3.8**	
Barium	7440-39-3	11247	127382	NE	15000	220000	**13**		**9.8**		**20**		**14**		**15**		**9.3**	
Beryllium	7440-41-7	35	289	NE	160	2300	**0.15**	J	**0.091**	J	**0.25**	J	**0.15**	J	**0.13**	J	**0.12**	J
Cadmium	7440-43-9	6.9	87	NE	7.1	100	**0.29**	J	**0.26**	J	**0.39**	J	**0.22**	J	**0.40**	J	**0.27**	J
Chromium	7440-47-3	NE	NE	NE	NE	NE	**19**		**17**		**33**		**26**		**27**		**17**	
Copper	7440-50-8	10407	139231	NE	3100	47000	**5.3**		**7.2**		**12**		**10**		**12**		**8.7**	
Lead	7439-92-1	NE	NE	41	200	800	**7.0**		**3.3**		**51**		**4.4**		**26**		**6.0**	
Nickel	7440-02-0	940	9707	NE	1400	17000	**22**		**32**		**46**		**31**		**27**		**23**	
Selenium	7782-49-2	366	4900	NE	390	5800	2.6	U	2.2	U	2.2	U	2.4	U	2.4	U	1.4	U
Silver	7440-22-4	237	2483	NE	390	5800	2.6	U	2.2	U	2.2	U	2.4	U	2.4	U	1.4	U
Thallium	7440-28-0	NE	NE	NE	0.78	12	5.3	U	4.4	U	4.4	U	4.7	U	4.9	U	2.8	U
Zinc	7440-66-6	21986	294150	NE	23000	350000	**25**		**19**		**35**		**20**		**33**		**25**	
Mercury	7439-97-6	3.1	3.1	NE	7.1	30	**1.5**		**0.17**		***6.9***		**0.33**		***5.2***		**1.5**	

Table C-2
Metal Concentrations in Soil

Sample ID		VSS - Non-resident	VSS -Resident	VSS - Non-Urban Background	EPA Residential RSL	EPA Industrial RSL	SB-10-2.0		SB-10-4.0		SB-11-2.0		SB-11-4.0		SB-12-2.0		SB-12-4.0	
Sample Date	CAS#						12/3/2024	Q	12/3/2024	Q	12/3/2024	Q	12/3/2024	Q	12/3/2024	Q	12/3/2024	Q
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)												
Antimony	7440-36-0	29	319	NE	31	470	**0.96**	J	**0.78**	J	**1.3**	J	**1.7**	J	**0.94**	J	**0.92**	J
Arsenic	7440-38-2	NE	NE	16	0.68	3.0	**3.2**		**5.9**		**4.5**		**6.3**		**42**		**7.7**	
Barium	7440-39-3	11247	127382	NE	15000	220000	**26**		**12**		**51**		**120**		**21**		**17**	
Beryllium	7440-41-7	35	289	NE	160	2300	**0.20**	J	**0.18**	J	**0.28**	J	**0.64**		**0.19**	J	**0.21**	J
Cadmium	7440-43-9	6.9	87	NE	7.1	100	**0.37**	J	**0.32**	J	**0.46**	J	**0.68**		**0.36**	J	**0.49**	J
Chromium	7440-47-3	NE	NE	NE	NE	NE	**21**		**18**		**23**		**45**		**17**		**15**	
Copper	7440-50-8	10407	139231	NE	3100	47000	**7.7**		**8.2**		**12**		**31**		**9.5**		**16**	
Lead	7439-92-1	NE	NE	41	200	800	**7.3**		**8.1**		**18**		**15**		**39**		**14**	
Nickel	7440-02-0	940	9707	NE	1400	17000	**24**		**23**		**22**		**56**		**21**		**20**	
Selenium	7782-49-2	366	4900	NE	390	5800	2.1	U	2.6	U	2.5	U	1.8	U	1.8	U	2.3	U
Silver	7440-22-4	237	2483	NE	390	5800	2.1	U	2.6	U	2.5	U	1.8	U	1.8	U	2.3	U
Thallium	7440-28-0	NE	NE	NE	0.78	12	4.3	U	5.2	U	4.9	U	3.6	U	3.7	U	4.6	U
Zinc	7440-66-6	21986	294150	NE	23000	350000	**37**		**37**		**46**		**74**		**37**		**36**	
Mercury	7439-97-6	3.1	3.1	NE	7.1	30	**0.026**	J	**0.23**		**0.19**		**0.094**		**0.31**		**0.085**	

Key:
VSS - Vermont Soil Standards from Investigation and Remediation of Contaminated Properties Rule, February 2024
RSL - US Environmental Protection Agency, Regional Screening Levels for Residential (Res) and Industrial (Ind) settings, May 2024
mg/kg - milligrams per kilogram (parts per million)
NE - screening level not established
Q - laboratory result qualifier
U - Analyte not detected; limit of quantitation listed
J - Analyte was detected between the method detection limit and the quantitation limit. Value provided is estimated
Bold results indicate detections of the analyte
Shaded results indicate an exceedance of the residential enforcement standard
Italicized results indicate an exceedance of the non-residential enforcement standard
Orange framed results indicate an exceedance of the non-urban background level
RPD- Relative Percent Difference
NA - Not analyzed

Table C-1
Pesticide Concentrations in Soil

Sample ID		VSS-Resident	VSS-Non-resident	RSL - Resident	RSL - Non-Resident	DU-F1-A		DU-F1-B		DU-F1-C		DU-F2-A		DU-F2-B		DU-F2-C	
Sample Date						11/20/2024	Q	11/20/2024	Q	11/20/2024	Q	11/21/2024	Q	11/22/2024	Q	11/22/2024	Q
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)												
4,4'-DDD	72-54-8	NE	NE	2.3	9.6	0.0088	U	0.0082	U	0.0090	U	0.0085	U	0.0083	U	0.0082	U
4,4'-DDE	72-55-9	NE	NE	2.0	9.3	0.0088	U	0.0082	U	0.0090	U	0.0085	U	0.0083	U	0.0082	U
4,4'-DDT	50-29-3	NE	NE	1.9	8.5	0.0088	U	**0.0015**	J	**0.0015**	J	0.0085	U	**0.0016**	J	0.0082	U
Alachlor	15972-60-8	5.0	30	9.7	41	0.0055	U	0.0051	U	0.0056	U	0.0053	U	0.0052	U	0.0051	U
Aldrin	309-00-2	0.02	0.1	0.039	0.18	0.0055	U	0.0051	U	0.0056	U	0.0053	U	0.0052	U	0.0051	U
alpha-BHC	319-84-6	NE	NE	0.086	0.36	0.0055	U	0.0051	U	0.0056	U	0.0053	U	0.0052	U	0.0051	U
beta-BHC	319-85-7	NE	NE	0.30	1.3	0.0055	U	0.0051	U	0.0056	U	0.0053	U	0.0052	U	0.0051	U
cis-Chlordane	5103-71-9	NE	NE	36	500	**0.0062**		**0.0065**		**0.0043**	J	**0.00075**	J	0.0052	U	**0.00057**	J
delta-BHC	319-86-8	NE	NE	0.0038	0.049	0.0055	U	0.0051	U	0.0056	U	0.0053	U	0.0052	U	0.0051	U
Dieldrin	60-57-1	NE	NE	0.034	0.14	0.0055	U	0.0051	U	0.0056	U	0.0053	U	0.0052	U	0.0051	U
Endosulfan I	959-98-8	NE	NE	NE	NE	0.0055	U	0.0051	U	0.0056	U	0.0053	U	0.0052	U	0.0051	U
Endosulfan II	33213-65-9	NE	NE	NE	NE	0.0088	U	0.0082	U	0.0090	U	0.0085	U	0.0083	U	0.0082	U
Endosulfan sulfate	1031-07-8	NE	NE	380	4900	0.0088	U	0.0082	U	0.0090	U	0.0085	U	0.0083	U	0.0082	U
Endrin	72-20-8	NE	NE	19	250	0.0088	U	0.0082	U	0.0090	U	0.0085	U	0.0083	U	0.0082	U
Endrin aldehyde	7421-93-4	NE	NE	NE	NE	0.0088	U	0.0082	U	0.0090	U	0.0085	U	0.0083	U	0.0082	U
Endrin ketone	53494-70-5	NE	NE	NE	NE	0.0088	U	0.0082	U	0.0090	U	0.0085	U	0.0083	U	0.0082	U
gamma-BHC (Lindane)	58-89-9	NE	NE	0.057	0.80	0.0022	U	0.002	U	0.0022	U	0.0021	U	0.0021	U	0.0021	U
Heptachlor	76-44-8	NE	NE	0.13	0.63	0.0055	U	0.0051	U	0.0056	U	0.0053	U	0.0052	U	0.0051	U
Heptachlor epoxide	1024-57-3	NE	NE	0.07	0.33	**0.0012**	J	**0.0023**	J	**0.0020**	J	0.0053	U	0.0052	U	0.0051	U
Methoxychlor	72-43-5	NE	NE	320	4100	0.0088	U	0.0082	U	0.0090	U	0.0085	U	0.0083	U	0.0082	U
Toxaphene	8001-35-2	NE	NE	0.49	2.1	0.11	U	0.10	U	0.11	U	0.11	U	0.10	U	0.10	U
trans-Chlordane	5103-74-2	NE	NE	36	500	**0.0010**	J	**0.0018**	J	**0.0017**	J	0.0053	U	0.0052	U	0.0051	U
Sample ID		VSS-Resident	VSS-Non-resident	RSL - Resident	RSL - Non-Resident	DU-F3-A		DU-F3-B		DU-F3-C		DU-G1-A		DU-G1-B		DU-G1-C	
Sample Date	CAS#					11/25/2024	Q	11/25/2024	Q	11/25/2024	Q	11/19/2024	Q	11/19/2024	Q	11/19/2024	Q
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)												
4,4'-DDD	72-54-8	NE	NE	2.3	9.6	0.0074	U	0.0086	U	0.0085	U	0.0092	U	0.0089	U	0.0088	U
4,4'-DDE	72-55-9	NE	NE	2.0	9.3	0.0074	U	0.0086	U	0.0085	U	0.0092	U	0.0089	U	0.0088	U
4,4'-DDT	50-29-3	NE	NE	1.9	8.5	**0.0012**	J	**0.0028**	J	0.0085	U	**0.021**		**0.0092**		**0.0085**	J
Alachlor	15972-60-8	5.0	30	9.7	41	0.0046	U	0.0054	U	0.0053	U	0.0058	U	0.0056	U	0.0055	U
Aldrin	309-00-2	0.02	0.1	0.039	0.18	0.0046	U	0.0054	U	0.0053	U	0.0058	U	0.0056	U	0.0055	U
alpha-BHC	319-84-6	NE	NE	0.086	0.36	0.0046	U	0.0054	U	0.0053	U	0.0058	U	0.0056	U	0.0055	U
beta-BHC	319-85-7	NE	NE	0.30	1.3	0.0046	U	0.0054	U	0.0053	U	0.0058	U	0.0056	U	0.0055	U
cis-Chlordane	5103-71-9	NE	NE	36	500	**0.00075**	J	**0.0015**	J	0.0053	U	**1.7**		**1.0**		**0.91**	
delta-BHC	319-86-8	NE	NE	0.0038	0.049	0.0046	U	0.0054	U	0.0053	U	0.0058	U	0.0056	U	0.0055	U
Dieldrin	60-57-1	NE	NE	0.034	0.14	0.0046	U	0.0054	U	0.0053	U	0.0058	U	0.0056	U	0.0055	U
Endosulfan I	959-98-8	NE	NE	NE	NE	0.0046	U	0.0054	U	0.0053	U	0.0058	U	0.0056	U	0.0055	U
Endosulfan II	33213-65-9	NE	NE	NE	NE	0.0074	U	0.0086	U	0.0085	U	0.0092	U	0.0089	U	0.0088	U
Endosulfan sulfate	1031-07-8	NE	NE	380	4900	0.0074	U	0.0086	U	0.0085	U	0.0092	U	0.0089	U	**0.0017**	J
Endrin	72-20-8	NE	NE	19	250	0.0074	U	0.0086	U	0.0085	U	0.0092	U	0.0089	U	0.0088	U
Endrin aldehyde	7421-93-4	NE	NE	NE	NE	**0.00088**	J	0.0086	U	0.0085	U	0.0092	U	0.0089	U	0.0088	U
Endrin ketone	53494-70-5	NE	NE	NE	NE	0.0074	U	0.0086	U	0.0085	U	0.0092	U	0.0089	U	0.0088	U
gamma-BHC (Lindane)	58-89-9	NE	NE	0.057	0.80	0.0018	U	0.0022	U	0.0021	U	0.0023	U	0.0022	U	0.0022	U
Heptachlor	76-44-8	NE	NE	0.13	0.63	0.0046	U	0.0054	U	0.0053	U	**0.036**		**0.0063**		**0.00088**	J
Heptachlor epoxide	1024-57-3	NE	NE	0.07	0.33	0.0046	U	**0.00068**	J	0.0053	U	**0.15**		**0.068**		**0.094**	J
Methoxychlor	72-43-5	NE	NE	320	4100	0.0074	U	0.0086	U	0.0085	U	0.0092	U	0.0089	U	0.0088	U
Toxaphene	8001-35-2	NE	NE	0.49	2.1	0.092	U	0.11	U	0.11	U	0.12	U	0.11	U	0.11	U
trans-Chlordane	5103-74-2	NE	NE	36	500	0.0046	U	0.0054	U	0.0053	U	**1.5**		**0.85**		**0.67**	

Table G-2
Pesticide Concentrations in Soil

Sample ID		VSS-Resident	VSS-Non-resident	RSL - Resident	RSL - Non-Resident	DU-G2-A		DU-G2-B		DU-G2-C		DU-G3-A		DU-G3-B		DU-G3-C	
Sample Date	CAS#					11/21/2024	Q	11/21/2024	Q	11/21/2024	Q	11/22/2024	Q	11/22/2024	Q	11/22/2024	Q
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)												
4,4'-DDD	72-54-8	NE	NE	2.3	9.6	0.0082	U	0.0078	U	0.0088	U	0.0086	U	0.0089	U	0.0082	U
4,4'-DDE	72-55-9	NE	NE	2.0	9.3	0.0082	U	0.0078	U	0.0088	U	0.0086	U	0.0089	U	0.0082	U
4,4'-DDT	50-29-3	NE	NE	1.9	8.5	**0.0054**	J	**0.0041**	J	**0.0059**	J	**0.030**		**0.051**		**0.032**	
Alachlor	15972-60-8	5.0	30	9.7	41	0.0051	U	0.0049	U	0.0055	U	0.0054	U	0.0055	U	0.0051	U
Aldrin	309-00-2	0.02	0.1	0.039	0.18	0.0051	U	0.0049	U	0.0055	U	0.0054	U	0.0055	U	0.0051	U
alpha-BHC	319-84-6	NE	NE	0.086	0.36	0.0051	U	0.0049	U	0.0055	U	0.0054	U	0.0055	U	0.0051	U
beta-BHC	319-85-7	NE	NE	0.30	1.3	0.0051	U	0.0049	U	0.0055	U	0.0054	U	0.0055	U	0.0051	U
cis-Chlordane	5103-71-9	NE	NE	36	500	**0.27**		**0.32**		**0.36**		**0.59**		**0.59**		**0.70**	
delta-BHC	319-86-8	NE	NE	0.0038	0.049	0.0051	U	0.0049	U	0.0055	U	0.0054	U	0.0055	U	0.0051	U
Dieldrin	60-57-1	NE	NE	0.034	0.14	0.0051	U	0.0049	U	0.0055	U	0.0054	U	0.0055	U	0.0051	U
Endosulfan I	959-98-8	NE	NE	NE	NE	0.0051	U	0.0049	U	0.0055	U	0.0054	U	0.0055	U	0.0051	U
Endosulfan II	33213-65-9	NE	NE	NE	NE	0.0082	U	0.0078	U	0.0088	U	0.0086	U	0.0089	U	0.0082	U
Endosulfan sulfate	1031-07-8	NE	NE	380	4900	0.0082	U	0.0078	U	0.0088	U	0.0086	U	0.0089	U	0.0082	U
Endrin	72-20-8	NE	NE	19	250	0.0082	U	0.0078	U	0.0088	U	0.0086	U	0.0089	U	0.0082	U
Endrin aldehyde	7421-93-4	NE	NE	NE	NE	0.0082	U	0.0078	U	0.0088	U	0.0086	U	0.0089	U	0.0082	U
Endrin ketone	53494-70-5	NE	NE	NE	NE	0.0082	U	0.0078	U	0.0088	U	0.0086	U	0.0089	U	0.0082	U
gamma-BHC (Lindane)	58-89-9	NE	NE	0.057	0.80	0.0020	U	0.0020	U	0.0022	U	0.0022	U	0.0022	U	0.0020	U
Heptachlor	76-44-8	NE	NE	0.13	0.63	0.0051	U	0.0049	U	0.0055	U	0.0054	U	0.0055	U	0.0051	U
Heptachlor epoxide	1024-57-3	NE	NE	0.07	0.33	**0.041**		**0.036**		**0.041**		**0.084**		**0.070**		**0.092**	J
Methoxychlor	72-43-5	NE	NE	320	4100	0.0082	U	0.0078	U	0.0088	U	0.0086	U	0.0089	U	0.0082	U
Toxaphene	8001-35-2	NE	NE	0.49	2.1	0.10	U	0.098	U	0.11	U	0.11	U	0.11	U	0.10	U
trans-Chlordane	5103-74-2	NE	NE	36	500	**0.17**		**0.21**		**0.22**		**0.41**		**0.43**		**0.45**	

Sample ID		VSS-Resident	VSS-Non-resident	RSL - Resident	RSL - Non-Resident	DU-T1-A		DU-T1-B		DU-T1-C		DU-T2-A		DU-T2-B		DU-T2-C	
Sample Date	CAS#					11/19/2024	Q	11/19/2024	Q	11/19/2024	Q	11/20/2024	Q	11/20/2024	Q	11/20/2024	Q
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)												
4,4'-DDD	72-54-8	NE	NE	2.3	9.6	0.0091	U	0.0090	U	0.0091	U	0.00000086	U	0.0091	U	0.0094	U
4,4'-DDE	72-55-9	NE	NE	2.0	9.3	0.0091	U	0.0090	U	0.0091	U	0.00000086	U	0.0091	U	0.0094	U
4,4'-DDT	50-29-3	NE	NE	1.9	8.5	0.0091	U	0.0090	U	0.0091	U	0.00000086	U	0.0091	U	0.0094	U
Alachlor	15972-60-8	5.0	30	9.7	41	0.0057	U	0.0056	U	0.0057	U	0.00000054	U	0.0057	U	0.0059	U
Aldrin	309-00-2	0.02	0.1	0.039	0.18	0.0057	U	0.0056	U	0.0057	U	0.00000054	U	0.0057	U	0.0059	U
alpha-BHC	319-84-6	NE	NE	0.086	0.36	0.0057	U	0.0056	U	0.0057	U	0.00000054	U	0.0057	U	0.0059	U
beta-BHC	319-85-7	NE	NE	0.30	1.3	0.0057	U	0.0056	U	0.0057	U	0.00000054	U	0.0057	U	0.0059	U
cis-Chlordane	5103-71-9	NE	NE	36	500	0.0057	U	0.0056	U	0.0057	U	**0.000000072**	J	0.0057	U	0.0059	U
delta-BHC	319-86-8	NE	NE	0.0038	0.049	0.0057	U	0.0056	U	0.0057	U	0.00000054	U	0.0057	U	0.0059	U
Dieldrin	60-57-1	NE	NE	0.034	0.14	0.0057	U	0.0056	U	0.0057	U	0.00000054	U	0.0057	U	0.0059	U
Endosulfan I	959-98-8	NE	NE	NE	NE	0.0057	U	0.0056	U	0.0057	U	0.00000054	U	0.0057	U	0.0059	U
Endosulfan II	33213-65-9	NE	NE	NE	NE	0.0091	U	0.0090	U	0.0091	U	0.00000086	U	0.0091	U	0.0094	U
Endosulfan sulfate	1031-07-8	NE	NE	380	4900	0.0091	U	0.0090	U	0.0091	U	0.00000086	U	0.0091	U	0.0094	U
Endrin	72-20-8	NE	NE	19	250	0.0091	U	0.0090	U	0.0091	U	0.00000086	U	0.0091	U	0.0094	U
Endrin aldehyde	7421-93-4	NE	NE	NE	NE	0.0091	U	0.0090	U	0.0091	U	**0.00000016**	J	0.0091	U	**0.0018**	J
Endrin ketone	53494-70-5	NE	NE	NE	NE	0.0091	U	0.0090	U	0.0091	U	0.00000086	U	0.0091	U	0.0094	U
gamma-BHC (Lindane)	58-89-9	NE	NE	0.057	0.80	0.0023	U	0.0023	U	0.0023	U	0.00000022	U	0.0023	U	0.0024	U
Heptachlor	76-44-8	NE	NE	0.13	0.63	0.0057	U	0.0056	U	0.0057	U	0.00000054	U	0.0057	U	0.0059	U
Heptachlor epoxide	1024-57-3	NE	NE	0.07	0.33	0.0057	U	0.0056	U	0.0057	U	0.00000054	U	0.0057	U	0.0059	U
Methoxychlor	72-43-5	NE	NE	320	4100	0.0091	U	0.0090	U	0.0091	U	0.00000086	U	0.0091	U	0.0094	U
Toxaphene	8001-35-2	NE	NE	0.49	2.1	0.11	U	0.11	U	0.11	U	0.000011	U	0.11	U	0.12	U
trans-Chlordane	5103-74-2	NE	NE	36	500	0.0057	U	0.0056	U	0.0057	U	**0.00000011**	J	0.0057	U	**0.0013**	J

Table C-1
Pesticide Concentrations in Soil

Sample ID		VSS-Resident	VSS-Non-resident	RSL - Resident	RSL - Non-Resident	DU-T3-A		DU-T3-B		DU-T3-C		DU-M1-A		DU-M1-B		DU-M1-C	
Sample Date	**CAS#**					**11/22/2024**	**Q**	**11/22/2024**	**Q**	**11/22/2024**	**Q**	**11/25/2024**	**Q**	**11/25/2024**	**Q**	**11/25/2024**	**Q**
		(mg/Kg)	**(mg/Kg)**	**(mg/Kg)**	**(mg/Kg)**												
4,4'-DDD	72-54-8	NE	NE	2.3	9.6	0.0090	U	0.0088	U	0.0091	U	0.0086	U	0.0096	U	0.0086	U
4,4'-DDE	72-55-9	NE	NE	2.0	9.3	0.0090	U	0.0088	U	0.0091	U	0.0086	U	0.0096	U	0.0086	U
4,4'-DDT	50-29-3	NE	NE	1.9	8.5	**0.0034**	J	**0.0075**	J	**0.0035**	J	**0.0027**	J	**0.0041**	J	**0.014**	
Alachlor	15972-60-8	5.0	30	9.7	41	0.0056	U	0.0055	U	0.0057	U	0.0054	U	0.0060	U	0.0053	U
Aldrin	309-00-2	0.02	0.1	0.039	0.18	0.0056	U	0.0055	U	0.0057	U	0.0054	U	0.0060	U	0.0053	U
alpha-BHC	319-84-6	NE	NE	0.086	0.36	0.0056	U	0.0055	U	0.0057	U	0.0054	U	0.0060	U	0.0053	U
beta-BHC	319-85-7	NE	NE	0.30	1.3	0.0056	U	0.0055	U	0.0057	U	0.0054	U	0.0060	U	0.0053	U
cis-Chlordane	5103-71-9	NE	NE	36	500	**0.011**	p	**0.028**	p	**0.0018**	J	**0.022**		**0.089**		**0.011**	
delta-BHC	319-86-8	NE	NE	0.0038	0.049	0.0056	U	0.0055	U	0.0057	U	0.0054	U	0.0060	U	0.0053	U
Dieldrin	60-57-1	NE	NE	0.034	0.14	**0.0096**		0.0055	U	0.0057	U	**0.0054**	U	0.0060	U	0.0053	U
Endosulfan I	959-98-8	NE	NE	NE	NE	0.0056	U	0.0055	U	0.0057	U	0.0054	U	0.0060	U	0.0053	U
Endosulfan II	33213-65-9	NE	NE	NE	NE	0.0090	U	0.0088	U	0.0091	U	0.0086	U	0.0096	U	0.0086	U
Endosulfan sulfate	1031-07-8	NE	NE	380	4900	0.0090	U	0.0088	U	0.0091	U	0.0086	U	0.0096	U	0.0086	U
Endrin	72-20-8	NE	NE	19	250	0.0090	U	0.0088	U	0.0091	U	0.0086	U	0.0096	U	0.0086	U
Endrin aldehyde	7421-93-4	NE	NE	NE	NE	0.0090	U	0.0088	U	0.0091	U	0.0086	U	0.0096	U	0.0086	U
Endrin ketone	53494-70-5	NE	NE	NE	NE	0.0090	U	0.0088	U	0.0091	U	0.0086	U	0.0096	U	0.0086	U
gamma-BHC (Lindane)	58-89-9	NE	NE	0.057	0.80	0.0023	U	0.0022	U	0.0023	U	0.0021	U	0.0024	U	0.0021	U
Heptachlor	76-44-8	NE	NE	0.13	0.63	0.0056	U	0.0055	U	0.0057	U	0.0054	U	0.0060	U	0.0053	U
Heptachlor epoxide	1024-57-3	NE	NE	0.07	0.33	0.0056	U	**0.0020**	J	0.0057	U	**0.0019**	J	**0.019**		**0.0017**	J
Methoxychlor	72-43-5	NE	NE	320	4100	0.0090	U	0.0088	U	0.0091	U	0.0086	U	0.0096	U	0.0086	U
Toxaphene	8001-35-2	NE	NE	0.49	2.1	0.11	U	0.11	U	0.11	U	0.11	U	0.12	U	**0.22**	
trans-Chlordane	5103-74-2	NE	NE	36	500	**0.015**		**0.026**		**0.0023**	J	**0.020**		**0.089**		**0.0072**	

Sample ID		VSS-Resident	VSS-Non-resident	RSL - Resident	RSL - Non-Resident	R1-1		R1-2		R1-3		SB-1-1.0	
Sample Date	**CAS#**					**11/26/2024**	**Q**	**11/26/2024**	**Q**	**11/26/2024**	**Q**	**12/3/2024**	**Q**
		(mg/Kg)	**(mg/Kg)**	**(mg/Kg)**	**(mg/Kg)**								
4,4'-DDD	72-54-8	NE	NE	2.3	9.6	0.0089	U	0.0091	U	0.0079	U	0.0083	U
4,4'-DDE	72-55-9	NE	NE	2.0	9.3	0.0089	U	0.0091	U	0.0079	U	0.0083	U
4,4'-DDT	50-29-3	NE	NE	1.9	8.5	0.0089	U	0.0091	U	0.0079	U	**0.0035**	J
Alachlor	15972-60-8	5.0	30	9.7	41	0.0056	U	0.0057	U	0.0049	U	0.0052	U
Aldrin	309-00-2	0.02	0.1	0.039	0.18	0.0056	U	0.0057	U	0.0049	U	0.0052	U
alpha-BHC	319-84-6	NE	NE	0.086	0.36	0.0056	U	0.0057	U	0.0049	U	0.0052	U
beta-BHC	319-85-7	NE	NE	0.30	1.3	0.0056	U	0.0057	U	0.0049	U	0.0052	U
cis-Chlordane	5103-71-9	NE	NE	36	500	0.0056	U	0.0057	U	0.0049	U	**0.055**	
delta-BHC	319-86-8	NE	NE	0.0038	0.049	0.0056	U	0.0057	U	0.0049	U	0.0052	U
Dieldrin	60-57-1	NE	NE	0.034	0.14	0.0056	U	0.0057	U	0.0049	U	0.0052	U
Endosulfan I	959-98-8	NE	NE	NE	NE	0.0056	U	0.0057	U	0.0049	U	0.0052	U
Endosulfan II	33213-65-9	NE	NE	NE	NE	0.0089	U	0.0091	U	0.0079	U	0.0083	U
Endosulfan sulfate	1031-07-8	NE	NE	380	4900	0.0089	U	0.0091	U	0.0079	U	0.0083	U
Endrin	72-20-8	NE	NE	19	250	0.0089	U	0.0091	U	0.0079	U	0.0083	U
Endrin aldehyde	7421-93-4	NE	NE	NE	NE	0.0089	U	0.0091	U	0.0079	U	0.0083	U
Endrin ketone	53494-70-5	NE	NE	NE	NE	0.0089	U	0.0091	U	0.0079	U	0.0083	U
gamma-BHC (Lindane)	58-89-9	NE	NE	0.057	0.80	0.0022	U	0.0023	U	0.0020	U	0.0021	U
Heptachlor	76-44-8	NE	NE	0.13	0.63	0.0056	U	0.0057	U	0.0049	U	0.0052	U
Heptachlor epoxide	1024-57-3	NE	NE	0.07	0.33	0.0056	U	0.0057	U	0.0049	U	**0.011**	
Methoxychlor	72-43-5	NE	NE	320	4100	0.0089	U	0.0091	U	0.0079	U	0.0083	U
Toxaphene	8001-35-2	NE	NE	0.49	2.1	0.11	U	0.11	U	0.099	U	0.10	U
trans-Chlordane	5103-74-2	NE	NE	36	500	**0.0056**	U	0.0057	U	0.0049	U	**0.036**	

Table C-1
Pesticide Concentrations in Soil

Sample ID		VSS-Resident	VSS-Non-resident	RSL - Resident	RSL - Non-Resident	SB-2-2.0		SB-2-4.0		SB-3-2.0		SB-3-2.0-FD		SB-3-4.0		SB-4-2.0		RPD
Sample Date	CAS#					12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	SB-3-2.0
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)													
4,4'-DDD	72-54-8	NE	NE	2.3	9.6	0.0089	U	0.0089	U	0.0093	U	0.0092	U	0.0093	U	0.0093	U	-
4,4'-DDE	72-55-9	NE	NE	2.0	9.3	0.0089	U	0.0089	U	0.0093	U	0.0092	U	0.0093	U	0.0093	U	-
4,4'-DDT	50-29-3	NE	NE	1.9	8.5	0.0089	U	0.0089	U	0.0093	U	0.0092	U	0.0093	U	0.0093	U	-
Alachlor	15972-60-8	5.0	30	9.7	41	0.0055	U	0.0055	U	0.0058	U	0.0058	U	0.0058	U	0.0058	U	-
Aldrin	309-00-2	0.02	0.1	0.039	0.18	0.0055	U	0.0055	U	0.0058	U	0.0058	U	0.0058	U	0.0058	U	-
alpha-BHC	319-84-6	NE	NE	0.086	0.36	0.0055	U	0.0055	U	0.0058	U	0.0058	U	0.0058	U	0.0058	U	-
beta-BHC	319-85-7	NE	NE	0.30	1.3	0.0055	U	0.0055	U	0.0058	U	0.0058	U	0.0058	U	0.0058	U	-
cis-Chlordane	5103-71-9	NE	NE	36	500	0.0055	U	0.0055	U	0.0058	U	0.0058	U	0.0058	U	**0.0012**	J	-
delta-BHC	319-86-8	NE	NE	0.0038	0.049	0.0055	U	0.0055	U	0.0058	U	0.0058	U	0.0058	U	0.0058	U	-
Dieldrin	60-57-1	NE	NE	0.034	0.14	0.0055	U	0.0055	U	0.0058	U	0.0058	U	0.0058	U	0.0058	U	-
Endosulfan I	959-98-8	NE	NE	NE	NE	0.0055	U	0.0055	U	0.0058	U	0.0058	U	0.0058	U	0.0058	U	-
Endosulfan II	33213-65-9	NE	NE	NE	NE	0.0089	U	0.0089	U	0.0093	U	0.0092	U	0.0093	U	0.0093	U	-
Endosulfan sulfate	1031-07-8	NE	NE	380	4900	0.0089	U	0.0089	U	0.0093	U	0.0092	U	0.0093	U	0.0093	U	-
Endrin	72-20-8	NE	NE	19	250	0.0089	U	0.0089	U	0.0093	U	0.0092	U	0.0093	U	0.0093	U	-
Endrin aldehyde	7421-93-4	NE	NE	NE	NE	0.0089	U	0.0089	U	0.0093	U	0.0092	U	0.0093	U	0.0093	U	-
Endrin ketone	53494-70-5	NE	NE	NE	NE	0.0089	U	0.0089	U	0.0093	U	0.0092	U	0.0093	U	0.0093	U	-
gamma-BHC (Lindane)	58-89-9	NE	NE	0.057	0.80	0.0022	U	0.0022	U	0.0023	U	0.0023	U	0.0023	U	0.0023	U	-
Heptachlor	76-44-8	NE	NE	0.13	0.63	0.0055	U	0.0055	U	0.0058	U	0.0058	U	0.0058	U	0.0058	U	-
Heptachlor epoxide	1024-57-3	NE	NE	0.07	0.33	0.0055	U	0.0055	U	0.0058	U	0.0058	U	0.0058	U	0.0058	U	-
Methoxychlor	72-43-5	NE	NE	320	4100	0.0089	U	0.0089	U	0.0093	U	0.0092	U	0.0093	U	0.0093	U	-
Toxaphene	8001-35-2	NE	NE	0.49	2.1	0.11	U	0.11	U	0.12	U	0.12	U	0.12	U	0.12	U	-
trans-Chlordane	5103-74-2	NE	NE	36	500	0.0055	U	0.0055	U	0.0058	U	0.0058	U	0.0058	U	**0.0012**	J	-

Sample ID		VSS-Resident	VSS-Non-resident	RSL - Resident	RSL - Non-Resident	SB-4-4.0		SB-5-2.0		SB-5-4.0		SB-5-4.0-FD		SB-6-2.0		SB-6-4.0		RPD
Sample Date	CAS#					12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	SB-5-4.0
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)													
4,4'-DDD	72-54-8	NE	NE	2.3	9.6	0.0090	U	0.0096	U	0.0091	U	0.0086	U	0.0091	U	0.0083	U	-
4,4'-DDE	72-55-9	NE	NE	2.0	9.3	0.0090	U	0.0096	U	0.0091	U	0.0086	U	0.0091	U	0.0083	U	-
4,4'-DDT	50-29-3	NE	NE	1.9	8.5	0.0090	U	**0.0032**	J	0.0091	U	**0.0031**	J	**0.0036**	J	0.0083	U	-
Alachlor	15972-60-8	5.0	30	9.7	41	0.0056	U	0.0060	U	0.0057	U	0.0054	U	0.0057	U	0.0052	U	-
Aldrin	309-00-2	0.02	0.1	0.039	0.18	0.0056	U	**0.0010**	J	0.0057	U	0.0054	U	0.0057	U	0.0052	U	-
alpha-BHC	319-84-6	NE	NE	0.086	0.36	0.0056	U	0.0060	U	0.0057	U	0.0054	U	0.0057	U	0.0052	U	-
beta-BHC	319-85-7	NE	NE	0.30	1.3	0.0056	U	0.0060	U	0.0057	U	0.0054	U	0.0057	U	0.0052	U	-
cis-Chlordane	5103-71-9	NE	NE	36	500	0.0056	U	**0.013**		**0.0034**	J	**0.010**		**0.017**		**0.0036**	J	99%
delta-BHC	319-86-8	NE	NE	0.0038	0.049	0.0056	U	0.0060	U	0.0057	U	0.0054	U	0.0057	U	0.0052	U	-
Dieldrin	60-57-1	NE	NE	0.034	0.14	0.0056	U	0.0060	U	0.0057	U	0.0054	U	0.0057	U	0.0052	U	-
Endosulfan I	959-98-8	NE	NE	NE	NE	0.0056	U	0.0060	U	0.0057	U	0.0054	U	0.0057	U	0.0052	U	-
Endosulfan II	33213-65-9	NE	NE	NE	NE	0.0090	U	**0.0016**	J	0.0091	U	0.0086	U	0.0091	U	0.0083	U	-
Endosulfan sulfate	1031-07-8	NE	NE	380	4900	0.0090	U	0.0096	U	0.0091	U	0.0086	U	0.0091	U	0.0083	U	-
Endrin	72-20-8	NE	NE	19	250	0.0090	U	0.0096	U	0.0091	U	0.0086	U	0.0091	U	0.0083	U	-
Endrin aldehyde	7421-93-4	NE	NE	NE	NE	0.0090	U	0.0096	U	0.0091	U	0.0086	U	0.0091	U	0.0083	U	-
Endrin ketone	53494-70-5	NE	NE	NE	NE	0.0090	U	0.0096	U	0.0091	U	0.0086	U	0.0091	U	0.0083	U	-
gamma-BHC (Lindane)	58-89-9	NE	NE	0.057	0.80	0.0022	U	0.0024	U	0.0023	U	0.0022	U	0.0023	U	0.0021	U	-
Heptachlor	76-44-8	NE	NE	0.13	0.63	0.0056	U	0.0060	U	0.0057	U	**0.00085**	J	0.0057	U	0.0052	U	-
Heptachlor epoxide	1024-57-3	NE	NE	0.07	0.33	0.0056	U	**0.0061**		**0.0014**	J	**0.0043**	J	**0.014**		**0.0023**	J	102%
Methoxychlor	72-43-5	NE	NE	320	4100	0.009	U	0.0096	U	0.0091	U	0.0086	U	0.0091	U	0.0083	U	-
Toxaphene	8001-35-2	NE	NE	0.49	2.1	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.10	U	-
trans-Chlordane	5103-74-2	NE	NE	36	500	0.0056	U	**0.0074**		**0.0025**	J	**0.0060**		**0.0090**		**0.0021**	J	82%

Table C-2
Pesticide Concentrations in Soil

Sample ID		VSS-Resident	VSS-Non-resident	RSL - Resident	RSL - Non-Resident	SB-7-2.0		SB-7-4.0		SB-8-2.0		SB-8-4.0		SB-9-2.0		SB-9-4.0	
Sample Date	CAS#					12/4/2024	Q	12/4/2024	Q	12/3/2024	Q	12/3/2024	Q	12/3/2024	Q	12/3/2024	Q
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)												
4,4'-DDD	72-54-8	NE	NE	2.3	9.6	0.0090	U	0.0088	U	0.0088	U	0.0088	U	0.0090	U	0.0092	U
4,4'-DDE	72-55-9	NE	NE	2.0	9.3	0.0090	U	0.0088	U	0.0088	U	0.0088	U	0.0090	U	0.0092	U
4,4'-DDT	50-29-3	NE	NE	1.9	8.5	0.0090	U	0.0088	U	**0.0041**	J	0.0088	U	**0.011**		**0.0027**	J
Alachlor	15972-60-8	5.0	30	9.7	41	0.0056	U	0.0055	U	0.0055	U	0.0055	U	0.0056	U	0.0057	U
Aldrin	309-00-2	0.02	0.1	0.039	0.18	0.0056	U	0.0055	U	0.0055	U	0.0055	U	0.0056	U	0.0057	U
alpha-BHC	319-84-6	NE	NE	0.086	0.36	0.0056	U	0.0055	U	0.0055	U	0.0055	U	0.0056	U	0.0057	U
beta-BHC	319-85-7	NE	NE	0.30	1.3	0.0056	U	0.0055	U	0.0055	U	0.0055	U	0.0056	U	0.0057	U
cis-Chlordane	5103-71-9	NE	NE	36	500	**0.0055**	J	0.0055	U	**0.029**		**0.0018**	J	**0.36**		**0.034**	
delta-BHC	319-86-8	NE	NE	0.0038	0.049	0.0056	U	0.0055	U	0.0055	U	0.0055	U	0.0056	U	0.0057	U
Dieldrin	60-57-1	NE	NE	0.034	0.14	0.0056	U	0.0055	U	0.0055	U	0.0055	U	0.0056	U	0.0057	U
Endosulfan I	959-98-8	NE	NE	NE	NE	0.0056	U	0.0055	U	0.0055	U	0.0055	U	0.0056	U	0.0057	U
Endosulfan II	33213-65-9	NE	NE	NE	NE	0.0090	U	0.0088	U	0.0088	U	0.0088	U	0.0090	U	0.0092	U
Endosulfan sulfate	1031-07-8	NE	NE	380	4900	0.0090	U	0.0088	U	0.0088	U	0.0088	U	0.0090	U	0.0092	U
Endrin	72-20-8	NE	NE	19	250	0.0090	U	0.0088	U	0.0088	U	0.0088	U	0.0090	U	0.0092	U
Endrin aldehyde	7421-93-4	NE	NE	NE	NE	0.0090	U	0.0088	U	0.0088	U	0.0088	U	0.0090	U	0.0092	U
Endrin ketone	53494-70-5	NE	NE	NE	NE	0.0090	U	0.0088	U	0.0088	U	0.0088	U	0.0090	U	0.0092	U
gamma-BHC (Lindane)	58-89-9	NE	NE	0.057	0.80	0.0022	U	0.0022	U	0.0022	U	0.0022	U	0.0022	U	0.0023	U
Heptachlor	76-44-8	NE	NE	0.13	0.63	0.0056	U	0.0055	U	0.0055	U	0.0055	U	0.0056	U	0.0057	U
Heptachlor epoxide	1024-57-3	NE	NE	0.07	0.33	**0.0016**	J	0.0055	U	**0.0073**		0.0055	U	**0.033**		**0.0063**	
Methoxychlor	72-43-5	NE	NE	320	4100	0.0090	U	0.0088	U	0.0088	U	0.0088	U	0.0090	U	0.0092	U
Toxaphene	8001-35-2	NE	NE	0.49	2.1	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
trans-Chlordane	5103-74-2	NE	NE	36	500	**0.0035**	J	**0.0055**	U	**0.015**		**0.0012**	J	**0.22**		**0.016**	

Sample ID		VSS-Resident	VSS-Non-resident	RSL - Resident	RSL - Non-Resident	SB-10-2.0		SB-10-4.0		SB-11-2.0		SB-11-4.0		SB-12-2.0		SB-12-4.0	
Sample Date	CAS#					12/3/2024	Q	12/3/2024	Q	12/3/2024	Q	12/3/2024	Q	12/3/2024	Q	12/3/2024	Q
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)												
4,4'-DDD	72-54-8	NE	NE	2.3	9.6	0.0085	U	0.0089	U	0.0087	U	0.0094	U	0.009	U	0.0093	U
4,4'-DDE	72-55-9	NE	NE	2.0	9.3	0.0085	U	0.0089	U	0.0087	U	0.0094	U	0.009	U	0.0093	U
4,4'-DDT	50-29-3	NE	NE	1.9	8.5	**0.0041**	J	**0.0015**	J	**0.0025**	J	0.0094	U	**0.0032**	J	0.0093	U
Alachlor	15972-60-8	5.0	30	9.7	41	0.0053	U	0.0056	U	0.0054	U	0.0059	U	0.0056	U	0.0058	U
Aldrin	309-00-2	0.02	0.1	0.039	0.18	0.0053	U	0.0056	U	0.0054	U	0.0059	U	0.0056	U	0.0058	U
alpha-BHC	319-84-6	NE	NE	0.086	0.36	0.0053	U	0.0056	U	0.0054	U	0.0059	U	0.0056	U	0.0058	U
beta-BHC	319-85-7	NE	NE	0.30	1.3	0.0053	U	0.0056	U	0.0054	U	0.0059	U	0.0056	U	0.0058	U
cis-Chlordane	5103-71-9	NE	NE	36	500	**0.0038**	J	**0.022**		**0.015**		**0.0043**	J	**0.0083**		**0.0046**	J
delta-BHC	319-86-8	NE	NE	0.0038	0.049	0.0053	U	0.0056	U	0.0054	U	0.0059	U	0.0056	U	0.0058	U
Dieldrin	60-57-1	NE	NE	0.034	0.14	0.0053	U	0.0056	U	0.0054	U	0.0059	U	0.0056	U	0.0058	U
Endosulfan I	959-98-8	NE	NE	NE	NE	0.0053	U	0.0056	U	0.0054	U	0.0059	U	0.0056	U	0.0058	U
Endosulfan II	33213-65-9	NE	NE	NE	NE	0.0085	U	0.0089	U	0.0087	U	0.0094	U	0.009	U	0.0093	U
Endosulfan sulfate	1031-07-8	NE	NE	380	4900	0.0085	U	0.0089	U	0.0087	U	0.0094	U	0.009	U	0.0093	U
Endrin	72-20-8	NE	NE	19	250	0.0085	U	0.0089	U	0.0087	U	0.0094	U	0.009	U	0.0093	U
Endrin aldehyde	7421-93-4	NE	NE	NE	NE	0.0085	U	0.0089	U	0.0087	U	0.0094	U	0.009	U	0.0093	U
Endrin ketone	53494-70-5	NE	NE	NE	NE	0.0085	U	0.0089	U	0.0087	U	0.0094	U	0.009	U	0.0093	U
gamma-BHC (Lindane)	58-89-9	NE	NE	0.057	0.80	0.0021	U	0.0022	U	0.0022	U	0.0023	U	0.0022	U	0.0023	U
Heptachlor	76-44-8	NE	NE	0.13	0.63	0.0053	U	0.0056	U	0.0054	U	0.0059	U	0.0056	U	0.0058	U
Heptachlor epoxide	1024-57-3	NE	NE	0.07	0.33	**0.019**		**0.0086**		**0.0071**		**0.00073**	J	**0.0044**	J	**0.0018**	J
Methoxychlor	72-43-5	NE	NE	320	4100	0.0085	U	0.0089	U	0.0087	U	0.0094	U	0.009	U	0.0093	U
Toxaphene	8001-35-2	NE	NE	0.49	2.1	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.12	U
trans-Chlordane	5103-74-2	NE	NE	36	500	**0.0037**	J	**0.021**		**0.013**		**0.0033**	J	**0.0052**	J	**0.0027**	J

Key:
VSS - Vermont Soil Standards from Investigation and Remediation of Contaminated properties Rule, February 2024
RSL - US Environmental Protection Agency, Regional Screening Levels for Residential (Res) and Industrial (Ind) settings, May 2024
mg/kg - milligrams per kilogram (parts per million)
NE - screening level not established
Q - laboratory result qualifier
U - Analyte not detected; limit of quantitation listed
J - Analyte was detected between the method detection limit and the quantitation limit. Value provided is estimated
B - Compound was found in the blank and sample
RPD- Relative Percent Difference
Shaded results indicate an exceedance of the residential enforcement standard

Table C-1
Polycyclic Aromatic Hydrocarbon Concentrations in Soil

Sample ID		VSS-Resident	VSS-Non-resident	VSS-Urban Background	RSL - Resident	RSL - Non-Resident	DU-M1-A		DU-M1-B		DU-M1-C		R1-1		R1-2		R1-3	
Sample Date							11/25/2024	Q	11/25/2024	Q	11/25/2024	Q	11/26/2024	Q	11/26/2024	Q	11/26/2024	Q
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)												
1-Methylnaphthalene	90-12-0	NE	NE	NE	0.18	0.77	0.018	U	0.021	U	0.018	U	0.018	U	0.019	U	0.019	U
2-Methylnaphthalene	91-57-6	NE	NE	NE	240	3000	0.018	U	0.021	U	0.018	U	0.018	U	0.019	U	0.019	U
Acenaphthene	83-32-9	NE	NE	NE	3600	45000	0.018	U	0.021	U	0.018	U	0.018	U	0.019	U	0.019	U
Acenaphthylene	208-96-8	NE	NE	NE	NE	NE	**0.011**	J	**0.017**	J	**0.013**	J	0.018	U	0.019	U	0.019	U
Anthracene	120-12-7	NE	NE	NE	18000	230000	**0.0080**	J	**0.014**	J	**0.013**	J	0.018	U	0.019	U	0.019	U
B(a)P-TEQ	50-32-8	0.07	1.54	0.58	0.11	2.1	**0.076**	J	**0.095**	J	**0.083**	J	**0.018**	JB	**0.018**	JB	0.009	U
Benzo[a]anthracene	56-55-3	NE	NE	NE	1.1	21	**0.038**		**0.044**		**0.045**		0.018	U	**0.0087**	J	0.019	U
Benzo[a]pyrene	50-32-8	0.07	1.54	0.58	0.11	2.1	**0.049**		**0.060**		**0.053**		**0.011**	JB	**0.011**	JB	0.019	U
Benzo[b]fluoranthene	205-99-2	NE	NE	NE	1.1	21	**0.059**		**0.065**		**0.066**		**0.015**	J	**0.014**	J	0.019	U
Benzo[g,h,i]perylene	191-24-2	NE	NE	NE	NE	NE	**0.037**		**0.051**		**0.042**		**0.0095**	J	**0.0090**	J	0.019	U
Benzo[k]fluoranthene	207-08-9	NE	NE	NE	11	210	**0.037**		**0.057**		**0.046**		0.018	U	0.019	U	0.019	U
Chrysene	218-01-9	NE	NE	NE	110	2100	**0.042**		**0.054**		**0.056**		**0.014**	J	**0.015**	J	0.019	U
Dibenz(a,h)anthracene	53-70-3	NE	NE	NE	0.11	2.1	**0.014**	J	**0.019**	J	**0.015**	J	0.018	U	0.019	U	0.019	U
Fluoranthene	206-44-0	2301	26371	NE	2400	30000	**0.061**		**0.079**		**0.079**		**0.018**		**0.021**		0.019	U
Fluorene	86-73-7	2301	26371	NE	2400	30000	0.018	U	0.021	U	0.018	U	0.018	U	0.019	U	0.019	U
Indeno[1,2,3-cd]pyrene	193-39-5	NE	NE	NE	1.1	21	**0.033**		**0.046**		**0.036**		**0.010**	J	**0.0088**	J	0.019	U
Naphthalene	91-20-3	1.2	7.2	NE	2.0	8.6	0.018	U	0.021	U	0.018	U	0.018	U	0.019	U	0.019	U
Phenanthrene	85-01-8	NE	NE	NE	NE	NE	**0.017**	J	**0.029**		**0.029**		**0.012**	J	**0.016**	J	0.019	U
Pyrene	129-00-0	NE	NE	NE	1800	23000	**0.066**		**0.081**		**0.077**		**0.016**	J	**0.017**	J	0.019	U

Sample ID		VSS-Resident	VSS-Non-resident	VSS-Urban Background	RSL - Resident	RSL - Non-Resident	SB-2-2.0		SB-2-4.0		SB-3-2.0		SB-3-2.0-FD		SB-3-4.0		SB-4-2.0		RPD
Sample Date							12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	SB-3-2.0
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)													
1-Methylnaphthalene	90-12-0	NE	NE	NE	0.18	0.77	0.018	U	0.018	U	0.019	U	0.019	U	0.018	U	0.019	U	-
2-Methylnaphthalene	91-57-6	NE	NE	NE	240	3000	0.018	U	0.018	U	0.019	U	0.019	U	0.018	U	0.019	U	-
Acenaphthene	83-32-9	NE	NE	NE	3600	45000	0.018	U	0.018	U	0.019	U	0.019	U	0.018	U	0.019	U	-
Acenaphthylene	208-96-8	NE	NE	NE	NE	NE	0.018	U	0.018	U	0.019	U	0.019	U	0.018	U	**0.012**	J	**-**
Anthracene	120-12-7	NE	NE	NE	18000	230000	0.018	U	0.018	U	0.019	U	0.019	U	0.018	U	**0.012**	J	**-**
B(a)P-TEQ	50-32-8	0.07	1.54	0.58	0.11	2.1	0.009	U	**0.013**	J	**0.026**	J	**0.021**	J	0.009	U	**0.070**	J	21%
Benzo[a]anthracene	56-55-3	NE	NE	NE	1.1	21	0.018	U	0.018	U	**0.011**	J	**0.0085**	J	0.018	U	**0.037**		26%
Benzo[a]pyrene	50-32-8	0.07	1.54	0.58	0.11	2.1	0.018	U	**0.0086**	J	**0.018**	J	**0.014**	J	0.018	U	**0.043**		25%
Benzo[b]fluoranthene	205-99-2	NE	NE	NE	1.1	21	0.018	U	0.018	U	**0.014**	J	**0.011**	J	0.018	U	**0.057**		24%
Benzo[g,h,i]perylene	191-24-2	NE	NE	NE	NE	NE	0.018	U	0.018	U	**0.013**	J	**0.011**	J	0.0180	U	**0.031**		17%
Benzo[k]fluoranthene	207-08-9	NE	NE	NE	11	210	0.018	U	0.018	U	**0.014**	J	**0.011**	J	0.018	U	**0.040**		24%
Chrysene	218-01-9	NE	NE	NE	110	2100	0.018	U	0.018	U	**0.014**	J	**0.011**	J	0.018	U	**0.043**		24%
Dibenz(a,h)anthracene	53-70-3	NE	NE	NE	0.11	2.1	0.018	U	0.018	U	0.019	U	0.019	U	0.018	U	**0.014**	J	**-**
Fluoranthene	206-44-0	2301	26371	NE	2400	30000	0.018	U	0.018	U	**0.017**	J	**0.013**	J	0.018	U	**0.060**		27%
Fluorene	86-73-7	2301	26371	NE	2400	30000	0.018	U	0.018	U	0.019	U	0.019	U	0.018	U	0.019	U	-
Indeno[1,2,3-cd]pyrene	193-39-5	NE	NE	NE	1.1	21	0.018	U	0.018	U	**0.012**	J	**0.011**	J	0.018	U	**0.031**		9%
Naphthalene	91-20-3	1.2	7.2	NE	2.0	8.6	0.018	U	0.018	U	0.019	U	0.019	U	0.018	U	0.019	U	-
Phenanthrene	85-01-8	NE	NE	NE	NE	NE	0.018	U	0.018	U	0.019	U	0.019	U	0.018	U	**0.012**	J	**-**
Pyrene	129-00-0	NE	NE	NE	1800	23000	0.018	U	0.018	U	**0.018**	J	**0.015**	J	0.018	U	**0.059**		18%

Table C-1
Polycyclic Aromatic Hydrocarbon Concentrations in Soil

Sample ID		VSS-Resident	VSS-Non-resident	VSS-Urban Background	RSL - Resident	RSL - Non-Resident	SB-4-4.0	
Sample Date							12/4/2024	Q
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)		
1-Methylnaphthalene	90-12-0	NE	NE	NE	0.18	0.77	0.018	U
2-Methylnaphthalene	91-57-6	NE	NE	NE	240	3000	0.018	U
Acenaphthene	83-32-9	NE	NE	NE	3600	45000	0.018	U
Acenaphthylene	208-96-8	NE	NE	NE	NE	NE	0.018	U
Anthracene	120-12-7	NE	NE	NE	18000	230000	0.0180	U
B(a)P-TEQ	50-32-8	0.07	1.54	0.58	0.11	2.1	**0.014**	J
Benzo[a]anthracene	56-55-3	NE	NE	NE	1.1	21	0.018	U
Benzo[a]pyrene	50-32-8	0.07	1.54	0.58	0.11	2.1	**0.0094**	J
Benzo[b]fluoranthene	205-99-2	NE	NE	NE	1.1	21	0.018	U
Benzo[g,h,i]perylene	191-24-2	NE	NE	NE	NE	NE	0.018	U
Benzo[k]fluoranthene	207-08-9	NE	NE	NE	11	210	0.018	U
Chrysene	218-01-9	NE	NE	NE	110	2100	0.018	U
Dibenz(a,h)anthracene	53-70-3	NE	NE	NE	0.11	2.1	0.018	U
Fluoranthene	206-44-0	2301	26371	NE	2400	30000	0.018	U
Fluorene	86-73-7	2301	26371	NE	2400	30000	0.018	U
Indeno[1,2,3-cd]pyrene	193-39-5	NE	NE	NE	1.1	21	0.018	U
Naphthalene	91-20-3	1.2	7.2	NE	2.0	8.6	0.018	U
Phenanthrene	85-01-8	NE	NE	NE	NE	NE	0.018	U
Pyrene	129-00-0	NE	NE	NE	1800	23000	0.018	U

Key:
Vermont Soil Standards from Investigation and Remediation of Contaminated Properties Rule, February 2024
RSL - US Environmental Protection Agency, Regional Screening Levels for Residential (Res) and Industrial (Ind) settings, May 2024
mg/kg - milligrams per kilogram (parts per million)
Bold results indicate detections of the analyte
Shaded results indicate an exceedance of the residential enforcement standard
NE - screening level not established
Q - laboratory result qualifier
U - Analyte not detected; limit of quantitation listed
J - Analyte was detected between the method detection limit and the quantitation limit. Value provided is estimated
B - Compound was found in the blank and sample
RPD- Relative Percent Difference

Table C-2
Volatile Organic Compound Concentrations in Soil

Sample ID		VSS-Resident	VSS-Non-resident	RSL - Resident	RSL - Non-Resident	SB-2-2.0		SB-2-4.0		SB-3-2.0		SB-3-2.0-FD		SB-3-4.0		SB-4-2.0		SB-4-4.0		SB-4-4.0		RPD
Sample Date						12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	SB-3-2.0
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)																	
Ethanol	64-17-5	NE	NE	NE	NE	14	U	12	U	11	U	12	U	14	U	12	U	14	U	10	U	-
Ethyl ether	60-29-7	NE	NE	16000	230000	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Ethyl tert-butyl ether	637-92-3	NE	NE	1300	560	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Ethylbenzene	100-41-4	3.7	22	5.8	25	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Hexachlorobutadiene	87-68-3	NE	NE	1.2	5.3	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Isopropylbenzene	98-82-8	256	264	1900	9900	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
m,p-Xylene	179601-23-1	NE	NE	NE	NE	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Methyl tert-butyl ether	1634-04-4	27	165	47	210	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Methylene Chloride	75-09-2	NE	NE	57	1000	0.14	U	0.12	U	0.11	U	0.12	U	0.14	U	0.12	U	0.14	U	0.10	U	-
Naphthalene	91-20-3	1.2	7.2	2	8.6	0.14	U	0.12	U	0.11	U	0.12	U	0.14	U	0.12	U	0.14	U	0.10	U	-
n-Butylbenzene	104-51-8	3504	45343	3900	58000	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
N-Propylbenzene	103-65-1	253	261	3800	24000	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
o-Xylene	95-47-6	NE	NE	640	2800	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
sec-Butylbenzene	135-98-8	7009	90685	7800	120000	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Styrene	100-42-5	NE	NE	6000	35000	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Tert-amyl methyl ether	994-05-8	NE	NE	NE	NE	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
tert-Butanol	75-65-0	NE	NE	1400	6500	1.4	U	1.2	U	1.1	U	1.2	U	1.4	U	1.2	U	1.4	U	1.0	U	-
tert-Butylbenzene	98-06-6	7009	90685	7800	120000	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Tetrachloroethene	127-18-4	2.4	14	24	100	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Tetrahydrofuran	109-99-9	NE	NE	18000	95000	0.14	U	0.12	U	0.11	U	0.12	U	0.14	U	0.12	U	0.14	U	0.10	U	-
Toluene	108-88-3	705	798	4900	47000	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Total Trimethylbenzene	25551-13-7	NE	NE	NE	NE	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Total Xylene	1330-20-7	252	257	580	2500	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
trans-1,2-Dichloroethene	156-60-5	108	296	70	300	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
trans-1,3-Dichloropropene	10061-02-6	NE	NE	NE	NE	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
trans-1,4-Dichloro-2-butene	110-57-6	NE	NE	0.0074	0.032	*0.35*	U	*0.30*	U	*0.29*	U	*0.31*	U	*0.35*	U	*0.29*	U	*0.36*	U	*0.25*	U	-
Trichloroethene	79-01-6	1.9	6.5	0.94	6	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Trichlorofluoromethane (Freon 11)	75-69-4	NE	NE	23000	350000	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Vinyl chloride	75-01-4	0.1	0.59	0.059	1.7	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-

Key:
Vermont Soil Standards from Investigation and Remediation of Contaminated Properties Rule, February 2024
RSL - US Environmental Protection Agency, Regional Screening Levels for Residential (Res) and Industrial (Ind) settings, May 2024
mg/kg - milligrams per kilogram (parts per million)
Bold results indicate detections of the analyte
Shaded results indicate an exceedance of the residential enforcement standard
Italicized results indicate and exceedance of the non-residential enforcement standard
NE - screening level not established
Q - laboratory result qualifier
U - Analyte not detected; limit of quantitation listed
J - Analyte was detected between the method detection limit and the quantitation limit. Value provided is estimated
B - Compound was found in the blank and sample
RPD- Relative Perent Difference

Table C-2
Volatile Organic Compound Concentrations in Soil

Sample ID		VSS-Resident	VSS-Non-resident	RSL - Resident	RSL - Non-Resident	SB-2-2.0		SB-2-4.0		SB-3-2.0		SB-3-2.0-FD		SB-3-4.0		SB-4-2.0		SB-4-4.0		TB-1242024		RPD
Sample Date						12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	SB-3-2.0
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)																	
1,1,1,2-Tetrachloroethane	630-20-6	1.3	8	2	8.8	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
1,1,1-Trichloroethane	71-55-6	NE	NE	8100	36000	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
1,1,2,2-Tetrachloroethane	79-34-5	NE	NE	0.6	2.7	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
1,1,2-Trichloroethane	79-00-5	NE	NE	1.1	5	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
1,1,2-Trichlorotrifluoroethane (Freon 113)	76-13-1	NE	NE	6700	28000	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
1,1-Dichloroethane	75-34-3	2.1	13	3.6	16	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
1,1-Dichloroethene	75-35-4	NE	NE	230	1000	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
1,1-Dichloropropene	563-58-6	NE	NE	NE	NE	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
1,2,3-Trichlorobenzene	87-61-6	NE	NE	63	930	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
1,2,3-Trichloropropane	96-18-4	0.00311	0.07	0.0051	0.11	*0.070*	U	0.060	U	0.057	U	0.062	U	*0.070*	U	0.058	U	*0.072*	U	*0.050*	U	-
1,2,4-Trichlorobenzene	120-82-1	NE	NE	24	110	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
1,2,4-Trimethylbenzene	95-63-6	144	177	300	1800	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
1,2-Dibromo-3-Chloropropane	96-12-8	0.01	0.06	0.0053	0.064	*0.14*	U	*0.12*	U	*0.11*	U	*0.12*	U	*0.14*	U	*0.12*	U	*0.14*	U	*0.10*	U	-
1,2-Dibromoethane (EDB)	106-93-4	0.02	0.14	0.036	0.16	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	*0.050*	U	-
1,2-Dichlorobenzene	95-50-1	NE	NE	1800	9300	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
1,2-Dichloroethane	107-06-2	0.29	1.7	0.46	2	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
1,2-Dichloropropane	78-87-5	1.5	9.1	2.5	11	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
1,3,5-Trichlorobenzene	108-70-3	NE	NE	NE	NE	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
1,3,5-Trimethylbenzene	108-67-8	144	177	270	1500	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
1,3-Dichlorobenzene	541-73-1	NE	NE	NE	NE	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
1,3-Dichloropropane	142-28-9	NE	NE	1600	23000	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
1,4-Dichlorobenzene	106-46-7	NE	NE	2.6	11	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
1,4-Dioxane	123-91-1	2.8	17	5.3	24	1.4	U	1.2	U	1.1	U	1.2	U	1.4	U	1.2	U	1.4	U	1.0	U	-
2,2-Dichloropropane	594-20-7	NE	NE	NE	NE	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
2-Butanone (MEK)	78-93-3	16952	26991	27000	190000	0.14	U	0.12	U	0.11	U	0.12	U	0.14	U	0.12	U	0.14	U	0.10	U	-
2-Chlorotoluene	95-49-8	NE	NE	1600	23000	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
2-Hexanone (MBK)	591-78-6	NE	NE	200	1300	0.14	U	0.12	U	0.11	U	0.12	U	0.14	U	0.12	U	0.14	U	0.10	U	-
4-Chlorotoluene	106-43-4	NE	NE	1600	23000	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
4-Isopropyltoluene	99-87-6	NE	NE	NE	NE	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
4-Methyl-2-pentanone (MIBK)	108-10-1	NE	NE	33000	140000	0.14	U	0.12	U	0.11	U	0.12	U	0.14	U	0.12	U	0.14	U	0.10	U	-
Acetone	67-64-1	63079	816169	70000	1100000	0.70	U	0.60	U	0.57	U	0.62	U	0.70	U	0.58	U	0.72	U	0.50	U	-
Acrylonitrile	107-13-1	NE	NE	0.25	1.1	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Benzene	71-43-2	0.7	4.2	1.2	5.1	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Bromobenzene	108-86-1	NE	NE	290	1800	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Bromochloromethane	74-97-5	193	597	150	630	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Bromodichloromethane	75-27-4	NE	NE	0.29	1.3	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Bromoform	75-25-2	NE	NE	19	86	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Bromomethane	74-83-9	NE	NE	6.8	30	0.14	U	**0.033**	J	0.11	U	0.12	U	0.14	U	0.12	U	0.14	U	0.10	U	-
Carbon disulfide	75-15-0	608	661	770	3500	0.14	U	0.12	U	**0.027**	JB	**0.028**	JB	**0.027**	JB	0.12	U	0.14	U	**0.028**	JB	4%
Carbon tetrachloride	56-23-5	0.37	2.2	0.65	2.9	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Chlorobenzene	108-90-7	267	676	280	1300	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Chloroethane	75-00-3	NE	NE	5400	23000	0.14	U	0.12	U	0.11	U	0.12	U	0.14	U	0.12	U	0.14	U	0.10	U	-
Chloroform	67-66-3	NE	NE	0.32	1.4	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Chloromethane	74-87-3	NE	NE	110	460	0.14	U	0.12	U	0.11	U	0.12	U	0.14	U	0.12	U	0.14	U	0.10	U	-
cis-1,2-Dichloroethene	156-59-2	77	352	63	370	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
cis-1,3-Dichloropropene	10061-01-5	NE	NE	NE	NE	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Dibromochloromethane	124-48-1	NE	NE	8.3	39	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Dibromomethane	74-95-3	NE	NE	24	99	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Dichlorodifluoromethane (Freon 12)	75-71-8	NE	NE	87	370	0.14	U	0.12	U	0.11	U	0.12	U	0.14	U	0.12	U	0.14	U	0.10	U	-
di-Isopropyl ether	108-20-3	NE	NE	2200	9400	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-

Table C-2
Volatile Organic Compound Concentrations in Soil

Sample ID		VSS-Resident	VSS-Non-resident	RSL - Resident	RSL - Non-Resident	SB-2-2.0		SB-2-4.0		SB-3-2.0		SB-3-2.0-FD		SB-3-4.0		SB-4-2.0		SB-4-4.0		TB-1242024		RPD
Sample Date						12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	SB-3-2.0
		(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)																	
Ethanol	64-17-5	NE	NE	NE	NE	14	U	12	U	11	U	12	U	14	U	12	U	14	U	10	U	-
Ethyl ether	60-29-7	NE	NE	16000	230000	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Ethyl tert-butyl ether	637-92-3	NE	NE	1300	560	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Ethylbenzene	100-41-4	3.7	22	5.8	25	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Hexachlorobutadiene	87-68-3	NE	NE	1.2	5.3	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Isopropylbenzene	98-82-8	256	264	1900	9900	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
m,p-Xylene	179601-23-1	NE	NE	NE	NE	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Methyl tert-butyl ether	1634-04-4	27	165	47	210	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Methylene Chloride	75-09-2	NE	NE	57	1000	0.14	U	0.12	U	0.11	U	0.12	U	0.14	U	0.12	U	0.14	U	0.10	U	-
Naphthalene	91-20-3	1.2	7.2	2	8.6	0.14	U	0.12	U	0.11	U	0.12	U	0.14	U	0.12	U	0.14	U	0.10	U	-
n-Butylbenzene	104-51-8	3504	45343	3900	58000	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
N-Propylbenzene	103-65-1	253	261	3800	24000	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
o-Xylene	95-47-6	NE	NE	640	2800	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
sec-Butylbenzene	135-98-8	7009	90685	7800	120000	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Styrene	100-42-5	NE	NE	6000	35000	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Tert-amyl methyl ether	994-05-8	NE	NE	NE	NE	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
tert-Butanol	75-65-0	NE	NE	1400	6500	1.4	U	1.2	U	1.1	U	1.2	U	1.4	U	1.2	U	1.4	U	1.0	U	-
tert-Butylbenzene	98-06-6	7009	90685	7800	120000	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Tetrachloroethene	127-18-4	2.4	14	24	100	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Tetrahydrofuran	109-99-9	NE	NE	18000	95000	0.14	U	0.12	U	0.11	U	0.12	U	0.14	U	0.12	U	0.14	U	0.10	U	-
Toluene	108-88-3	705	798	4900	47000	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Total Trimethylbenzene	25551-13-7	NE	NE	NE	NE	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Total Xylene	1330-20-7	252	257	580	2500	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
trans-1,2-Dichloroethene	156-60-5	108	296	70	300	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
trans-1,3-Dichloropropene	10061-02-6	NE	NE	NE	NE	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
trans-1,4-Dichloro-2-butene	110-57-6	NE	NE	0.0074	0.032	*0.35*	U	*0.30*	U	*0.29*	U	*0.31*	U	*0.35*	U	*0.29*	U	*0.36*	U	*0.25*	U	-
Trichloroethene	79-01-6	1.9	6.5	0.94	6	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Trichlorofluoromethane (Freon 11)	75-69-4	NE	NE	23000	350000	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-
Vinyl chloride	75-01-4	0.1	0.59	0.059	1.7	0.070	U	0.060	U	0.057	U	0.062	U	0.070	U	0.058	U	0.072	U	0.050	U	-

Key:
Vermont Soil Standards from Investigation and Remediation of Contaminated Properties Rule, February 2024
RSL - US Environmental Protection Agency, Regional Screening Levels for Residential (Res) and Industrial (Ind) settings, May 2024
mg/kg - milligrams per kilogram (parts per million)
Bold results indicate detections of the analyte
Shaded results indicate an exceedance of the residential enforcement standard
Italicized results indicate and exceedance of the non-residential enforcement standard
NE - screening level not established
Q - laboratory result qualifier
U - Analyte not detected; limit of quantitation listed
J - Analyte was detected between the method detection limit and the quantitation limit. Value provided is estimated
B - Compound was found in the blank and sample
RPD- Relative Perent Difference

Metal Concentrations in Sediment

Sample ID		SQG TEC	SQG PEC	SD-1		SD-2		SD-3		SD-4		SD-5-FD		SD-5**	
Sample Date				11/20/2024	Q	11/20/2024	Q	11/19/2024	Q	11/19/2024	Q	11/19/2024	Q	12/3/2024	Q
		(mg/kg)	(mg/kg)												
Antimony	7440-36-0	NE	NE	5.7	U	**0.87**	J	**0.75**	J	12	U	5.7	U	**0.57**	J
Arsenic	7440-38-2	9.79	33.0	**2.0**		**2.0**		**3.4**		**2.3**	J	**0.56**	J	**2.0**	J
Barium	7440-39-3	NE	NE	**9.4**		**19**		**21**		**4.0**		**3.9**		**24**	
Beryllium	7440-41-7	NE	NE	**0.056**	J	**0.069**	J	**0.12**	J	1.2	U	0.57	U	**0.13**	J
Cadmium	7440-43-9	0.99	4.98	**0.13**	J	**0.27**	J	**0.20**	J	**0.24**	J	**0.093**	J	**0.32**	J
Chromium	7440-47-3	43.4	111	**4.4**		**11**		**11**		**9.6**		**3.9**		**13**	
Copper	7440-50-8	31.6	149	**2.9**		**14**		**9.8**		**12**		**3.3**		**14**	
Lead	7439-92-1	35.8	128	**3.6**		**32**		**3.8**		**4.2**		**1.5**	J	**6.3**	
Nickel	7440-02-0	22.7	48.6	**6.8**		**11**		**15**		**9.5**		**4.2**		**18**	
Selenium	7782-49-2	NE	NE	1.7	U	1.4	U	1.0	U	3.5	U	1.7	U	2.2	U
Silver	7440-22-4	NE	NE	1.7	U	1.4	U	1.0	U	3.5	U	1.7	U	2.2	U
Thallium	7440-28-0	NE	NE	3.4	U	2.8	U	2.0	U	7.0	U	3.4	U	4.4	U
Zinc	7440-66-6	121	459	**13**		**48**		**23**		**24**		**11**		**35**	
Mercury	7439-97-6	0.18	1.06	**0.032**	J	**0.36**		**0.011**	J	**0.011**	J	0.038	U	**0.025**	J

Key:
Sediment Quality Guidelines (SQG) for the Protection of Aquatic Biota in Freshwater Ecosystems
TEC- Threshold Effect Concentration
PEC- Probable Effect Concentration
mg/kg - milligrams per kilogram (parts per million)
Bold results indicate detections of the analyte
NE - screening level not established
J - Analyte was detected between the method detection limit and the quantitation limit. Value provided is estimated
B - Compound was found in the blank and sample
**Sample re-collected due to compromised sample.
RPD-Relative Percent Difference

Sample ID		SQG TEC	SQG PEC	SD-1		SD-2		SD-3		SD-4		SD-5-FD		SD-5**	
Sample Date				11/20/2024	Q	11/20/2024	Q	11/19/2024	Q	11/19/2024	Q	11/19/2024	Q	12/3/2024	Q
		(µg/kg)	(µg/kg)												
4,4'-DDD	72-54-8	NE	NE	8.6	U	8.8	U	8.8	U	9.8	U	9.2	U	8.9	U
4,4'-DDE	72-55-9	NE	NE	8.6	U	8.8	U	8.8	U	9.8	U	9.2	U	8.9	U
4,4'-DDT	50-29-3	NE	NE	8.6	U	8.8	U	8.8	U	9.8	U	9.2	U	8.9	U
Alachlor	15972-60-8	NE	NE	5.4	U	5.5	U	5.5	U	6.1	U	5.8	U	5.5	U
Aldrin	309-00-2	NE	NE	5.4	U	5.5	U	5.5	U	6.1	U	5.8	U	5.5	U
alpha-BHC	319-84-6	NE	NE	5.4	U	5.5	U	5.5	U	6.1	U	5.8	U	5.5	U
beta-BHC	319-85-7	NE	NE	5.4	U	5.5	U	5.5	U	6.1	U	5.8	U	5.5	U
cis-Chlordane	5103-71-9	NE	NE	5.4	U	5.5	U	5.5	U	6.1	U	5.8	U	5.5	U
delta-BHC	319-86-8	NE	NE	5.4	U	5.5	U	5.5	U	6.1	U	5.8	U	5.5	U
Dieldrin	60-57-1	1.90	61.8	5.4	U	5.5	U	5.5	U	6.1	U	5.8	U	5.5	U
Endosulfan I	959-98-8	NE	NE	5.4	U	5.5	U	5.5	U	6.1	U	5.8	U	5.5	U
Endosulfan II	33213-65-9	NE	NE	8.6	U	8.8	U	8.8	U	9.8	U	9.2	U	8.9	U
Endosulfan sulfate	1031-07-8	NE	NE	8.6	U	8.8	U	8.8	U	9.8	U	9.2	U	8.9	U
Endrin	72-20-8	2.22	207	8.6	U	8.8	U	8.8	U	9.8	U	9.2	U	8.9	U
Endrin aldehyde	7421-93-4	NE	NE	8.6	U	8.8	U	8.8	U	9.8	U	9.2	U	8.9	U
Endrin ketone	53494-70-5	NE	NE	8.6	U	8.8	U	8.8	U	9.8	U	9.2	U	8.9	U
gamma-BHC (Lindane)	58-89-9	NE	NE	2.2	U	2.2	U	2.2	U	2.4	U	2.3	U	2.2	U
Heptachlor	76-44-8	NE	NE	5.4	U	5.5	U	5.5	U	6.1	U	5.8	U	5.5	U
Heptachlor epoxide	1024-57-3	2.47	16.0	5.4	U	5.5	U	5.5	U	6.1	U	5.8	U	5.5	U
Methoxychlor	72-43-5	NE	NE	8.6	U	8.8	U	8.8	U	9.8	U	9.2	U	8.9	U
Toxaphene	8001-35-2	NE	NE	110	U	110	U	110	U	120	U	120	U	110	U
trans-Chlordane	5103-74-2	NE	NE	5.4	U	5.5	U	5.5	U	6.1	U	5.8	U	5.5	U

Key:
Sediment Quality Guidelines (SQG) for the Protection of Aquatic Biota in Freshwater Ecosystems
TEC- Threshold Effect Concentration
PEC- Probable Effect Concentration
mg/kg - milligrams per kilogram (parts per million)
Bold results indicate detections of the analyte
Shaded results indicate an exceedance of the SQG TEC
NE - screening level not established
U - Analyte not detected; limit of quantitation listed
**Sample re-collected due to compromised sample.

Soil Physical Properties

Sample ID		SB-5-4.0		SB-9-4.0		SB-10-4.0		SB-11-4.0	
Sample Date	Units	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q	12/4/2024	Q
In Place Density	g/cc	1.47		1.60		1.53		1.44	
Fractional Organic Carbon	%	0.5		0.5		0.8		1.4	
Specific Gravity at 20 deg Celsius	None	2.74		2.73		2.75		2.86	
Porosity	%	46.6		41.4		44.6		49.6	
Void Ratio	None	0.9		0.7		0.8		1	

Key:
g/cc - grams per cubic centimeter
Q - laboratory result qualifier

Metal Concentrations Leached from Soil - SPLP

SampleID		VGES	SB-5-4.0		SB-9-4.0		SB-10-4.0		SB-11-4.0	
Sample Date	CAS#		12/4/2024	Q	12/3/2024	Q	12/3/2024	Q	12/3/2024	Q
		(µg/L)								
Antimony	7440-36-0	NE	12	U	12	U	12	U	12.0	U
Arsenic	7440-38-2	10	8.0	U	8.0	U	**7.5**	J	8.0	U
Beryllium	7440-41-7	4	4.0	U	4.0	U	4.0	U	4.0	U
Cadmium	7440-43-9	5	5.0	U	5.0	U	5.0	U	5.0	U
Chromium	7440-47-3	100	10	U	**1.9**	J	10	U	**8.3**	J
Copper	7440-50-8	1300	10	U	10	U	10	U	**190**	
Lead	7439-92-1	15	15	U	15	U	15	U	**51**	
Nickel	7440-02-0	100	**3.3**	J	**9.1**	J	**2.6**	J	**15**	
Selenium	7782-49-2	50	30	U	30	U	30	U	30	U
Silver	7440-22-4	NE	**1.5**	J	**4.1**	J	**3.2**	J	10	U
Thallium	7440-28-0	2	10	U	10	U	**5.5**	J	**7.7**	J
Zinc	7440-66-6	NE	10	U	**12**		10	U	**45**	
Mercury	7439-97-6	2	0.20	U	**0.80**		0.20	U	0.20	U

Key:

VGES - Vermont Groundwater Enforcement Standard, July 2019

Bold results indicate detections of the analyte

Shaded results indicate an exceedance of the VGES

µg/L - micrograms per liter

NE - screening level not established

Q - laboratory result qualifier

U - Analyte not detected; limit of quantitation listed

J - Analyte was detected between the method detection limit and the quantitation limit. Value provided is estimated

Appendix D: Calculators and Guidance Documents

Calculation of Weighted 95% UCLs for a Combined Decision Unit (DU) from Several Smaller DUs Having Replicate Incremental Samples

Enter information in green highlighted cells. See the "Instructions" tab for detailed instructions.

Project ID:	20221113
Property/Sample ID:	203 Country Club Road
Date of calculations:	12/12/2024
Calculator completed by:	LBR
Analyte:	Arsenic
Analyte units:	mg/kg
DU metric units:	Acres
Notes:	

Click in green cell below to select from drop-down menu

DU size metric: area, volume, or depth interval: Area

Note: Assumes all replicates have the same number of increments

Number of increments per replicate: 30

Row #	IDs/Names of the Smaller DUs	DU Area (Acres)	Replicate field sample concentrations						Number of Replicates	Weight	Arithmetic Mean	SD of Replicates	calc'd SD of Increments	calc'd CV for the DU	Adj Factor	adj'd SD of Increments	adj'd CV for DU	SE of DU	95% UCL			
			Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6											Student's-t	Chebychev	CV of Increments	95% UCL
1	DU-F1		2	1.7	1.7				3		1.8	0.17	0.95	0.53	1.13	1.07	0.60	0.10	2.1	2.2	Low	**2.1**
2	DU-F2		5.1	2	3.7				3		3.6	1.55	8.50	2.36	1.41	12.02	3.34	0.90	6.2	7.5	High	**7.5**
3	DU-F3		2.4	4.3	4.8				3		3.8	1.27	6.94	1.81	1.28	8.90	2.32	0.73	6.0	7.0	Med	**7.0**
4	DU-G1		44	12	18				3		24.7	17.01	93.17	3.78	1.93	179.55	7.28	9.82	53.3	67.5	High	**67.5**
5	DU-G2		34	23	14				3		23.7	10.02	54.86	2.32	1.40	76.89	3.25	5.78	40.6	48.9	High	**48.9**
6	DU-G3		73	32	20				3		41.7	27.79	152.22	3.65	1.87	284.94	6.84	16.05	88.5	111.6	High	**111.6**
7	DU-T1		3.5	2.6	1.6				3		2.6	0.95	5.21	2.03	1.33	6.92	2.70	0.55	4.2	5.0	Med	**5.0**
8	DU-T2		2.3	1.6	4.3				3		2.7	1.40	7.67	2.81	1.55	11.87	4.34	0.81	5.1	6.3	High	**6.3**
9	DU-T3		7.1	3.9	4.8				3		5.3	1.65	9.04	1.72	1.26	11.43	2.17	0.95	8.0	9.4	Med	**9.4**
10	DU-M1		7.1	6.9	7.3				3		7.1	0.2	1.10	0.15	1.13	1.23	0.17	0.12	7.4	7.6	Low	**7.4**

*Student's t UCL is acceptable if adj'd CV for DU is "Low" (e.g., CV ≤ 1.5). The User should consult the instructions for additional guidance on which 95% UCL is recommended for specific data sets.

Notes

adj'd	= adjusted	df	= degrees of freedom	SD	= arithmetic standard deviation
calc'd	= calculated	DU	= decision unit	SE	= standard error
CV	= coefficient of variation	RSD	= relative standard deviation	95% UCL	= 95% upper confidence limit for arithmetic mean

Calculation of Weighted 95% UCLs for a Combined Decision Unit (DU) from Several Smaller DUs Having Replicate Incremental Samples

Enter information in green highlighted cells. See the "Instructions" tab for detailed instructions.

Project ID:	20221113
Property/Sample ID:	203 Country Club Road
Date of calculations:	1/28/2025
Calculator completed by:	SJV
Analyte:	Lead
Analyte units:	mg/kg
DU metric units:	Acres
Notes:	

Click in green cell below to select from drop-down menu

DU size metric: area, volume, or depth interval: Area

Note: Assumes all replicates have the same number of increments

Number of increments per replicate: 30

Row #	IDs/Names of the Smaller DUs	DU Area (Acres)	Replicate field sample concentrations						Number of Replicates	Weight	Arithmetic Mean	SD of Replicates	calc'd SD of Increments	calc'd CV for the DU	Adj Factor	adj'd SD of Increments	adj'd CV for DU	SE of DU	95% UCL			
			Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6											Student's-t	Chebychev	CV of Increments	95% UCL
1	DU-F1		5.1	3.8	5.3				3		4.7	0.81	4.46	0.94	1.16	5.16	1.09	0.47	6.1	6.8	Low	**6.1**
2	DU-F2		13	10	12				3		11.7	1.53	8.37	0.72	1.14	9.54	0.82	0.88	14.2	15.5	Low	**14**
3	DU-F3		11	16	16				3		14.3	2.89	15.81	1.10	1.17	18.55	1.29	1.67	19.2	21.6	Low	**19**
4	DU-G1		120	35	52				3		69.0	44.98	246.35	3.57	1.84	452.32	6.56	25.97	144.8	182.2	High	**182**
5	DU-G2		110	87	74				3		90.3	18.23	99.85	1.11	1.17	117.15	1.30	10.53	121.1	136.2	Low	**121**
6	DU-G3		240	190	82				3		170.7	80.75	442.31	2.59	1.48	654.22	3.83	46.62	306.8	373.9	High	**374**
7	DU-T1		7.9	4.7	4.6				3		5.7	1.88	10.28	1.79	1.28	13.15	2.29	1.08	8.9	10.5	Med	**10**
8	DU-T2		4.5	4.5	7.5				3		5.5	1.73	9.49	1.72	1.27	12.01	2.18	1.00	8.4	9.9	Med	**10**
9	DU-T3		18	12	11				3		13.7	3.79	20.74	1.52	1.23	25.49	1.87	2.19	20.0	23.2	Med	**23**
10	DU-M1		40	28	36	20	19		5		28.6	9.4	51.32	1.79	1.16	59.53	2.08	4.19	37.5	46.9	Med	**47**

*Student's t UCL is acceptable if adj'd CV for DU is "Low" (e.g., CV ≤ 1.5). The User should consult the instructions for additional guidance on which 95% UCL is recommended for specific data sets.

Notes

adj'd	= adjusted	df	= degrees of freedom	SD	= arithmetic standard deviation
calc'd	= calculated	DU	= decision unit	SE	= standard error
CV	= coefficient of variation	RSD	= relative standard deviation	95% UCL	= 95% upper confidence limit for arithmetic mean

Calculation of Weighted 95% UCLs for a Combined Decision Unit (DU) from Several Smaller DUs Having Replicate Incremental Samples

Enter information in green highlighted cells. See the "Instructions" tab for detailed instructions.

Project ID:	20221113
Property/Sample ID:	203 Country Club Road
Date of calculations:	1/28/2025
Calculator completed by:	SJV
Analyte:	Mercury
Analyte units:	mg/kg
DU metric units:	Acres
Notes:	

Click in green cell below to select from drop-down menu

DU size metric: area, volume, or depth interval: Area

Note: Assumes all replicates have the same number of increments

Number of increments per replicate: 30

Row #	IDs/Names of the Smaller DUs	DU Area (Acres)	Replicate field sample concentrations						Number of Replicates	Weight	Arithmetic Mean	SD of Replicates	calc'd SD of Increments	calc'd CV for the DU	Adj Factor	adj'd SD of Increments	adj'd CV for DU	SE of DU	95% UCL			
			Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6											Student's-t	Chebychev	CV of Increments	95% UCL
1	DU-F1		0.065	0.057	0.09				3		0.1	0.02	0.09	1.33	1.20	0.11	1.60	0.01	0.1	0.1	Med	**0.11**
2	DU-F2		0.047	0.043	0.036				3		0.0	0.01	0.03	0.73	1.14	0.03	0.83	0.00	0.1	0.1	Low	**0.051**
3	DU-F3		0.046	0.053	0.048				3		0.0	0.00	0.02	0.40	1.13	0.02	0.45	0.00	0.1	0.1	Low	**0.055**
4	DU-G1		6.5	2.7	4.2				3		4.5	1.91	10.48	2.35	1.41	14.77	3.31	1.11	7.7	9.3	High	**9.3**
5	DU-G2		6.5	7.1	4.2				3		5.9	1.53	8.38	1.41	1.21	10.17	1.71	0.88	8.5	9.8	Med	**9.8**
6	DU-G3		6.2	5.1	5.1				3		5.5	0.64	3.48	0.64	1.14	3.95	0.72	0.37	6.5	7.1	Low	**6.5**
7	DU-T1		0.029	0.031	0.042				3		0.0	0.01	0.04	1.13	1.18	0.05	1.33	0.00	0.0	0.1	Low	**0.046**
8	DU-T2		0.05	0.037	0.04				3		0.0	0.01	0.04	0.88	1.15	0.04	1.01	0.00	0.1	0.1	Low	**0.054**
9	DU-T3		0.045	0.042	0.045				3		0.0	0.00	0.01	0.22	1.13	0.01	0.24	0.00	0.0	0.0	Low	**0.047**
10	DU-M1		0.12	0.16	0.14				3		0.1	0.0	0.11	0.78	1.14	0.13	0.90	0.01	0.2	0.2	Low	**0.17**

*Student's t UCL is acceptable if adj'd CV for DU is "Low" (e.g., CV ≤ 1.5). The User should consult the instructions for additional guidance on which 95% UCL is recommended for specific data sets.

Notes

adj'd	= adjusted	df	= degrees of freedom	SD	= arithmetic standard deviation
calc'd	= calculated	DU	= decision unit	SE	= standard error
CV	= coefficient of variation	RSD	= relative standard deviation	95% UCL	= 95% upper confidence limit for arithmetic mean

Calculation of Weighted 95% UCLs for a Combined Decision Unit (DU) from Several Smaller DUs Having Replicate Incremental Samples

Enter information in green highlighted cells. See the "Instructions" tab for detailed instructions.

Project ID:	20221113
Property/Sample ID:	203 Country Club Road
Date of calculations:	1/29/2025
Calculator completed by:	SJV
Analyte:	B(a)P-TEQ
Analyte units:	mg/kg
DU metric units:	Acres
Notes:	

Click in green cell below to select from drop-down menu

DU size metric: area, volume, or depth interval: Area

Note: Assumes all replicates have the same number of increments

Number of increments per replicate: 30

Row #	IDs/Names of the Smaller DUs	DU Area (Acres)	Replicate field sample concentrations						Number of Replicates	Weight	Arithmetic Mean	SD of Replicates	calc'd SD of Increments	calc'd CV for the DU	Adj Factor	adj'd SD of Increments	adj'd CV for DU	SE of DU	95% UCL			
			Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6											Student's-t	Chebychev	CV of Increments	95% UCL
1	DU-M1		0.076	0.095	0.083				3		0.1	0.01	0.05	0.62	1.14	0.06	0.71	0.01	0.1	0.1	Low	**0.10**
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

*Student's t UCL is acceptable if adj'd CV for DU is "Low" (e.g., CV ≤ 1.5). The User should consult the instructions for additional guidance on which 95% UCL is recommended for specific data sets.

Notes

adj'd	= adjusted	df	= degrees of freedom	SD	= arithmetic standard deviation
calc'd	= calculated	DU	= decision unit	SE	= standard error
CV	= coefficient of variation	RSD	= relative standard deviation	95% UCL	= 95% upper confidence limit for arithmetic mean

Calculation of Weighted 95% UCLs for a Combined Decision Unit (DU) from Several Smaller DUs Having Replicate Incremental Samples

Enter information in green highlighted cells. See the "Instructions" tab for detailed instructions

Project ID:	20221113
Property/Sample ID:	203 Country Club Road
Date of calculations:	2/24/2025
Calculator completed by:	LBR
Analyte:	Heptaclor Epoxide
Analyte units:	mg/kg
DU metric units:	Acres
Notes:	

Click in green cell below to select from drop-down menu

DU size metric: area, volume, or depth interval: Area

Note: Assumes all replicates have the same number of increments

Number of increments per replicate: 30

Row #	IDs/Names of the Smaller DUs	DU Area (Acres)	Replicate field sample concentrations						Number of Replicates	Weight	Arithmetic Mean	SD of Replicates	calc'd SD of Increments	calc'd CV for the DU	Adj Factor	adj'd SD of Increments	adj'd CV for DU	SE of DU	95% UCL			
			Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6											Student's-t	Chebychev	CV of Increments	95% UCL
1	DU-F1		0.0012	0.0023	0.002				3		0.0	0.001	0.00	1.70	1.26	0.00	2.14	0.00	0.0	0.0	Med	**0.003**
2	DU-F2		0.0053	0.0052	0.0051				3		0.0	0.000	0.00	0.11	1.13	0.00	0.12	0.00	0.0	0.0	Low	**0.005**
3	DU-F3		0.0046	0.00068	0.0053				3		0.0	0.00	0.01	3.87	1.97	0.03	7.61	0.00	0.0	0.0	High	**0.010**
4	DU-G1		0.15	0.068	0.094				3		0.1	0.04	0.23	2.21	1.37	0.32	3.03	0.02	0.2	0.2	High	**0.209**
5	DU-G2		0.041	0.036	0.041				3		0.0	0.00	0.02	0.40	1.13	0.02	0.45	0.00	0.0	0.0	Low	**0.044**
6	DU-G3		0.084	0.07	0.092				3		0.1	0.01	0.06	0.74	1.14	0.07	0.85	0.01	0.1	0.1	Low	**0.101**
7	DU-T1		0.0057	0.0056	0.0057				3		0.0	0.00	0.00	0.06	1.13	0.00	0.06	0.00	0.0	0.0	Low	**0.006**
8	DU-T2		0.00000054	0.0057	0.0059				3		0.0	0.00	0.02	4.74	2.43	0.04	11.52	0.00	0.0	0.0	High	**0.012**
9	DU-T3		0.0056	0.002	0.0057				3		0.0	0.00	0.01	2.60	1.48	0.02	3.86	0.00	0.0	0.0	High	**0.010**
10	DU-M1		0.0019	0.019	0.0017				3		0.0	0.0	0.05	7.22	4.26	0.23	30.74	0.01	0.0	0.0	High	**0.033**

*Student's t UCL is acceptable if adj'd CV for DU is "Low" (e.g., CV ≤ 1.5). The User should consult the instructions for additional guidance on which 95% UCL is recommended for specific data sets.

Notes

adj'd	= adjusted	df	= degrees of freedom	SD	= arithmetic standard deviation
calc'd	= calculated	DU	= decision unit	SE	= standard error
CV	= coefficient of variation	RSD	= relative standard deviation	95% UCL	= 95% upper confidence limit for arithmetic mean

Vermont Soil-Water Partition Equation Calculator

Site Name:	203 Country Club Road	**Date:**	2/7/2025
Project No.:	20221113	**Evaluator:**	Sarah Rathay

Notes:

Data entry allowed
Cell locked

$$Soil\ Cleanup\ Level = C_{gw}\frac{1\ mg}{1000\ \mu g}\left[K_d + \frac{\theta_w + \theta_a H'}{\rho_b}\right]DAF \qquad DAF = 1 + \frac{Kid}{IL}$$

$$K_d = K_{oc} f_{oc} \qquad d = (0.0112L^2)^{0.5} + d_a\left\{1 - exp\left[\frac{-LI}{Kid_a}\right]\right\}, d \le d_a$$

Contaminan Arsenic
CAS No.: 7440-38-2

Contaminant Parameters:

Parameter	Definition	Value	Units
C_{gw}	Groundwater Enforcement Standard	10	µg/L
K_{oc}	Soil Organic Carbon-Water Partition Coefficient	-	L/kg
K_d	Soil-Water Partition Coefficient	2.50E+01	L/kg
H'	Henry's Law Constant	0.00E+00	Dimensionless

Soil Parameters:

Parameter	Definition	Value	Units
θ_w	Water-Filled Soil Porosity	0.23	Dimensionless
θ_a	Air-Filled Soil Porosity	0.18	Dimensionless
f_{oc}	Fraction Organic Carbon Content of Soil (Default Value = 0.002)	0.5	Dimensionless
ρ_b	Dry Soil Bulk Density	1.5	kg/L

DAF Parameters:

	Definition	Imperial Units		Metric Units	
		Value	Units	Value	Units
L	Length of Area of Concern Parrallel to Groundwater Flow (Default Value = 1 ft)	1	ft	0.30	m
d_a	Aquifer Thickness (Default Value = 11.5 ft)	11.5	ft	3.51	m
I	Infiltration Rate (Default Value = 11 in/yr)	11	in/yr	0.28	m/yr
K	Aquifer Hydraulic Conductivity (Default Value = 51,865 ft/yr)	51865	ft/yr	15808	m/yr
i	Gradient (Default Value = 0.003)	0.003	dimensionless	0.003	dimensionless
d	Mixing Zone Depth			0.03	m
DAF	Dilution-Attenuation Factor (Default Value = 20)			20.0	dimensionless

Predicted Soil Cleanup Level: **5.02** **mg/kg**

Vermont Soil-Water Partition Equation Calculator

Site Name:	203 Country Club Road	**Date:**	2/7/2025
Project No.:	20221113	**Evaluator:**	Sarah Rathay
Notes:			

Data entry allowed
Cell locked

$$Soil\ Cleanup\ Level = C_{gw}\frac{1\ mg}{1000\ \mu g}\left[K_d + \frac{\theta_w + \theta_a H'}{\rho_b}\right]DAF \qquad DAF = 1 + \frac{Kid}{IL}$$

$$K_d = K_{oc} f_{oc} \qquad d = (0.0112L^2)^{0.5} + d_a\left\{1 - exp\left[\frac{-LI}{Kid_a}\right]\right\}, d \le d_a$$

Contaminan	Lead
CAS No.:	7439-92-1

Contaminant Parameters:

Parameter	Definition	Value	Units
C_{gw}	Groundwater Enforcement Standard	15	µg/L
K_{oc}	Soil Organic Carbon-Water Partition Coefficient	-	L/kg
K_d	Soil-Water Partition Coefficient	1.00E+01	L/kg
H'	Henry's Law Constant	0.00E+00	Dimensionless

Soil Parameters:

Parameter	Definition	Value	Units
θ_w	Water-Filled Soil Porosity	0.23	Dimensionless
θ_a	Air-Filled Soil Porosity	0.18	Dimensionless
f_{oc}	Fraction Organic Carbon Content of Soil (Default Value = 0.002)	0.5	Dimensionless
ρ_b	Dry Soil Bulk Density	1.5	kg/L

DAF Parameters:

	Definition	Imperial Units		Metric Units	
		Value	Units	Value	Units
L	Length of Area of Concern Parrallel to Groundwater Flow (Default Value = 1 ft)	1	ft	0.30	m
d_a	Aquifer Thickness (Default Value = 11.5 ft)	11.5	ft	3.51	m
I	Infiltration Rate (Default Value = 11 in/yr)	11	in/yr	0.28	m/yr
K	Aquifer Hydraulic Conductivity (Default Value = 51,865 ft/yr)	51865	ft/yr	15808	m/yr
i	Gradient (Default Value = 0.003)	0.003	dimensionless	0.003	dimensionless
d	Mixing Zone Depth			0.03	m
DAF	Dilution-Attenuation Factor (Default Value = 20)			20.0	dimensionless

Predicted Soil Cleanup Level: **3.04** **mg/kg**

Vermont Soil-Water Partition Equation Calculator

Site Name:	203 Country Club Road	**Date:**	2/7/2025
Project No.:	20221113	**Evaluator:**	Sarah Rathay
Notes:			

Data entry allowed
Cell locked

$$Soil\ Cleanup\ Level = C_{gw}\frac{1\ mg}{1000\ \mu g}\left[K_d + \frac{\theta_w + \theta_a H'}{\rho_b}\right]DAF \qquad DAF = 1 + \frac{Kid}{IL}$$

$$K_d = K_{oc} f_{oc} \qquad d = (0.0112L^2)^{0.5} + d_a\left\{1 - exp\left[\frac{-LI}{Kid_a}\right]\right\}, d \le d_a$$

Contaminan	Mercury (inorganic)
CAS No.:	7487-94-7

Contaminant Parameters:

Parameter	Definition	Value	Units
C_{gw}	Groundwater Enforcement Standard	2	µg/L
K_{oc}	Soil Organic Carbon-Water Partition Coefficient	-	L/kg
K_d	Soil-Water Partition Coefficient	5.20E+01	L/kg
H'	Henry's Law Constant	4.74E-01	Dimensionless

Soil Parameters:

Parameter	Definition	Value	Units
θ_w	Water-Filled Soil Porosity	0.23	Dimensionless
θ_a	Air-Filled Soil Porosity	0.18	Dimensionless
f_{oc}	Fraction Organic Carbon Content of Soil (Default Value = 0.002)	0.5	Dimensionless
ρ_b	Dry Soil Bulk Density	1.5	kg/L

DAF Parameters:

	Definition	Imperial Units		Metric Units	
		Value	Units	Value	Units
L	Length of Area of Concern Parrallel to Groundwater Flow (Default Value = 1 ft)	1	ft	0.30	m
d_a	Aquifer Thickness (Default Value = 11.5 ft)	11.5	ft	3.51	m
I	Infiltration Rate (Default Value = 11 in/yr)	11	in/yr	0.28	m/yr
K	Aquifer Hydraulic Conductivity (Default Value = 51,865 ft/yr)	51865	ft/yr	15808	m/yr
i	Gradient (Default Value = 0.003)	0.003	dimensionless	0.003	dimensionless
d	Mixing Zone Depth			0.03	m
DAF	Dilution-Attenuation Factor (Default Value = 20)			20.0	dimensionless

Predicted Soil Cleanup Level: **2.08** **mg/kg**

Vermont Soil-Water Partition Equation Calculator

Site Name:	203 Country Club Road	**Date:**	2/7/2025
Project No.:	20221113	**Evaluator:**	Sarah Rathay
Notes:			

Data entry allowed
Cell locked

$$Soil\ Cleanup\ Level = C_{gw}\frac{1\ mg}{1000\ \mu g}\left[K_d + \frac{\theta_w + \theta_a H'}{\rho_b}\right]DAF \qquad DAF = 1 + \frac{Kid}{IL}$$

$$K_d = K_{oc} f_{oc} \qquad d = (0.0112L^2)^{0.5} + d_a\left\{1 - exp\left[\frac{-LI}{Kid_a}\right]\right\}, d \le d_a$$

Contaminan	Heptachlor epoxide
CAS No.:	1024-57-3

Contaminant Parameters:

Parameter	Definition	Value	Units
C_{gw}	Groundwater Enforcement Standard	0.2	µg/L
K_{oc}	Soil Organic Carbon-Water Partition Coefficient	7.24E+03	L/kg
K_d	Soil-Water Partition Coefficient	3.62E+03	L/kg
H'	Henry's Law Constant	3.45E-04	Dimensionless

Soil Parameters:

Parameter	Definition	Value	Units
θ_w	Water-Filled Soil Porosity	0.23	Dimensionless
θ_a	Air-Filled Soil Porosity	0.18	Dimensionless
f_{oc}	Fraction Organic Carbon Content of Soil (Default Value = 0.002)	0.5	Dimensionless
ρ_b	Dry Soil Bulk Density	1.5	kg/L

DAF Parameters:

	Definition	Imperial Units		Metric Units	
		Value	Units	Value	Units
L	Length of Area of Concern Parrallel to Groundwater Flow (Default Value = 1 ft)	1	ft	0.30	m
d_a	Aquifer Thickness (Default Value = 11.5 ft)	11.5	ft	3.51	m
I	Infiltration Rate (Default Value = 11 in/yr)	11	in/yr	0.28	m/yr
K	Aquifer Hydraulic Conductivity (Default Value = 51,865 ft/yr)	51865	ft/yr	15808	m/yr
i	Gradient (Default Value = 0.003)	0.003	dimensionless	0.003	dimensionless
d	Mixing Zone Depth			0.03	m
DAF	Dilution-Attenuation Factor (Default Value = 20)			20.0	dimensionless

Predicted Soil Cleanup Level: **14.45** **mg/kg**

Tools to Help Determine Appropriate Soil Cleanup Approaches

October 29, 2021

STONE ENVIRONMENTAL

PROJECT NO.

20-136

REVIEWED BY:

DTV 101121

PREPARED FOR:

Lynda Provencher / *SMS Project Manager*
Vermont Department of Environmental Conservation
Vermont Agency of Natural Resources
1 National Life Drive
Montpelier / VT / 05602
lynda.provencher@vermont.gov
802-249-5562

SUBMITTED BY:

Daniel Voisin / *Director of Environmental Assessment and Remediation Services*
Stone Environmental, Inc.
535 Stone Cutters Way
Montpelier / VT 05602
dvoisin@stone-env.com
802-229-1875

Title and Approval Page

Document Title
Tools to Help Determine Appropriate Soil Cleanup Approaches

October 29, 2021

Document Prepared by:
Stone Environmental, Inc., 535 Stone Cutters Way, Montpelier, VT 05602 (802) 229-4541

Document Preparer Approvals:

Michael B. Smith, Hydrogeologist, Stone Environmental, Inc.

11/5/21

Signature Date

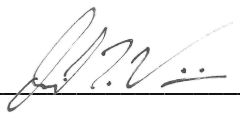
Sarah Y. Rathay, Hydrogeologist, Stone Environmental, Inc.

10/28/21

Signature Date

Daniel Voisin, Director of Consulting Services, Stone Environmental, Inc.

I certify under penalty of perjury that I am an environmental professional and that all content contained within this deliverable is to the best of my knowledge true and correct.



10/28/21

Signature Date

Executive Summary

Stone has developed an integrated process for the Vermont Department of Environmental Conservation (VT DEC) to help determine whether contaminated soils must be remediated to prevent impact to groundwater. The integrated approach uses a flow chart/decision tree and a spreadsheet to calculate the predicted concentrations of specific compounds in soil that could cause groundwater to exceed groundwater enforcement standards for compounds in the Groundwater Protection Rule and Strategy.

Stone reviewed various publicly available numerical and analytical models used at the State and US Federal levels to determine an appropriate model for screening sites. Numerical models reviewed included SEVIEW, SESOIL, AT123D, US EPA VLEACH, and MODFLOW. Stone determined that the cost to collect the necessary data and run the numerical models is prohibitive, and that these models are not practical for the screening level requested by the VT DEC and for the generally small sites in Vermont.

Stone reviewed a variety of analytical models used by states, the United States Environmental Protection Agency (US EPA), and those sold as software by private companies. All models reviewed used an analytical soil-water partition equation, which was determined to be easier to use than numerical models and still protective. Stone therefore developed its own analytical model in Excel based on the soil-water partition equation, referred to as the Vermont Soil-Water Partition Calculator, which is proposed to be used in combination with a decision flow chart, the Contaminated Soils Remediation Decision Flow Chart, and synthetic precipitation leaching procedure (SPLP) testing (if possible).

The model was calibrated using data from two site in Vermont, 202 Bay Street (SMS #20204966) and 289 Barre Street (SMS #20154614). Concentrations of two SVOCs (naphthalene and benzo(a)pyrene) and six VOCs (ethylbenzene, toluene, total xylene, naphthalene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene) in two soil borings and monitoring wells were used for calibration at 202 Bay Street, while concentrations of two metals (lead and chromium) in four soil borings/monitoring wells were used at 289 Barre Street.

In general, the model in combination with the flow chart and SPLP testing works well as a preliminary screening tool to assess whether further work is needed to determine if contaminated soils need to be remediated to protect groundwater. Assumptions in the soil-water partition equation, however, limit the utility of the model and will likely predict higher concentrations of contaminants in groundwater than observed, making the approach very protective of groundwater. Parameters that the model is most sensitive to include infiltration rate, hydraulic conductivity, and K_{oc}. Recommendations for further work include collecting more data for further model calibration, such from a chlorinated VOC release, a variety of release types, and a variety of recharge scenarios. The method will be inadequate to fully assess large sites with multiple contaminants and sources but could be used as part of a site assessment toolbox.

Stone determined that it is not possible to create an accurate soil to vapor model to determine when it is necessary to sample soil gas based on the concentrations of contaminants in soil. This is for several reasons, including heterogeneities in the soil structure and contaminant distribution, and sampling bias caused by a loss of VOCs (even when samples are preserved it the field with methanol). This viewpoint is supported by literature published by the US EPA and Interstate Technology and Regulatory Council (ITRC).

Tools to Help Determine Appropriate Soil Cleanup Approaches

Contents

Title and Approval Page **2**
Executive Summary **3**
1. Introduction **5**
1.1. Soil to Groundwater Models 5
1.1.1. Numerical Models 5
1.1.2. Analytical Models 6
1.2. Soil to Vapor Models 7
2. An Integrated Process to Determine Appropriate Soil Cleanup Approaches **10**
2.1. Soil-Water Partition Calculator 10
2.2. Leaching Tests 11
2.3. Further Site Assessment 11
3. Field Trials and Model Calibration **12**
3.1. 202 Bay Street, St. Johnsbury, SMS #20204966 12
3.1.1. Field Trials 13
3.1.2. Results 13
3.2. 289 Barre Street, SMS #20154614 14
3.2.1. Field Trials and Results 14
4. Conclusions and Recommendations **16**
5. References **18**
Appendix A – Contaminated Soils Remediation Decision Flow Chart **19**
Appendix B – Discussion of Models Reviewed by Stone **21**
Appendix C – Figures **25**
Appendix D – Boring Logs **28**
Appendix E – Data Tables **36**
Appendix F – Laboratory Reports **56**

Table of Figures

Figure A-1: Decision Flow Chart 19
Figure C-1: 202 Bay Street Site Map 25
Figure C-2: 289 Barre Street Site Map 25

Table of Tables

Table 1: Default Soil Characteristic Values 10
Table 2: Default DAF Values 10

1. Introduction

Stone has developed an integrated process for the Vermont Department of Environmental Conservation (VT DEC) to help determine whether contaminated soils must be remediated to prevent impact to groundwater. As part of this process, Stone has prepared a spreadsheet that will calculate the predicted concentrations of specific compounds in soil that could cause groundwater to exceed Vermont Groundwater Enforcement Standards (VGES) for all compounds in the Groundwater Protection Rule and Strategy. This spreadsheet is referred to as the Vermont Soil-Water Partition Calculator. The predicted concentrations of contaminants in soil, above which impact to groundwater could occur, are referred to as the Predicted Soil Cleanup Levels (PSCLs).

The integrated process uses a flow chart (the Contaminated Soils Remediation Decision Flow Chart, i.e. the Flow Chart) and the Vermont Soil-Water Partition Calculator to help staff determine the appropriate response to soil contamination, as directed by VT DEC Investigation and Remediation of Contaminated Properties Rule (IRule) and Groundwater Protection Rule and Strategy. The Flow Chart is included in Appendix A. The Vermont Soil-Water Partition Calculator is a separate Excel spreadsheet accompanying this document.

As is discussed in detail in Section 1.2, Stone has determined that a model to predict soil vapor concentrations is technically impracticable due to geologic heterogeneities and sample collection methodology issues.

1.1. Soil to Groundwater Models

As detailed in the January 5, 2021 proposal, the first step in developing this process has been to review publicly available models used at the State and US Federal levels to screen sites to determine if soil contamination at the site may cause groundwater to be contaminated above the applicable Vermont Groundwater Enforcement Standards (VGES).

Discussions of the models reviewed and links to web pages are included in Appendix B.

1.1.1. Numerical Models

Two, one-dimensional numerical vertical vadose zone models (SESOIL and the US EPA VLEACH: A One-Dimensional Finite Difference Vadose Zone Leaching) were reviewed. Two numerical three-dimensional models were reviewed: the USGS MODFLOW® coupled with fate and transport models and the Analytical Transient 1-, 2-, and 3-Dimensional Simulation of Waste Transport in the Aquifer System (AT123D®) model.

Stone has determined that while these numerical models can provide very accurate assessments of contaminated fate and transport at a site, they require trained modelers, specialized computer programs, very large amounts of site-specific data, and significant time to run and calibrate. The cost to collect the necessary data and run the numerical models is prohibitive for most sites in Vermont and these models are not practical for the screening level requested by the VT DEC.

1.1.2. Analytical Models

One-dimensional analytical models can be used to assess whether contaminated soils at a site need to be remediated to prevent the groundwater from being contaminated at concentrations above the VGES. These models tend to be easier to use and protective of groundwater. Stone reviewed a variety of available analytical models used by states, the United States Environmental Protection Agency (US EPA), and those sold as software by a private company. The models reviewed all used the following analytical soil-water partition equation.

Soil-Water Partition Equation

$$Soil\ Concentration, mg/kg\ = C_{gw}\ \frac{1mg}{1000mg}\left(K_d + \frac{\theta_w + \theta_a\ H'}{\rho_b}\right) DAF$$

where:

Soil Concentration is the concentration of the contaminants in a soil that could cause groundwater to be contaminated in concentrations above the VGES.

C_{gw} = Vermont Groundwater Enforcement Standard (mg/l)
K_d = Soil water partition coefficient (distribution coefficient) = $K_{oc}\ x\ f_{oc}$
K_{oc} = organic carbon partition coefficient
f_{oc} = fraction organic carbon (%)
θ_w = water-filled soil porosity (L_{water}/L_{soil})
θ_a = air-filled soil porosity (L_{air}/L_{soil})
ρb = dry soil bulk density (kg/L)
H' = Henry's Law constant
DAF = dilution-attenuation factor

(US EPA, 1999)

Dilution – Attenuation Factor (DAF)

$$DAF = 1 + \frac{Kid}{IL}$$

where:

i = gradient (m/m)
d = mixing zone depth (m)
I = infiltration rate (m/yr)
L = length of area of concern parallel to groundwater flow (m)
K = hydraulic conductivity (m/yr)

where:

$$d = (0.0112L^2)^{0.5} + d_a\left\{1 - exp\left[\frac{-LI}{Kid_a}\right]\right\}, \quad d \le d_a$$

d_a = aquifer thickness

(US EPA, 1999)

1.1.2.1. Limitations of the Soil-Water Partition Equation in Predicting Impact to Groundwater

The soil-water partition equation assumes an infinite source of contaminants extending in the vadose zone in a column between the top of the contaminated soils and the water table. The following are limitations of the equation:

1. The source of the contamination is likely not infinite as the mass of contaminants will likely reduce over time unless there is an ongoing release. As contaminants leach from the vadose zone to the water table, the mass and concentration of contaminants in the soil will decrease and the concentration and mass of contaminant leaching to the water table will also decrease. The partition equation cannot include this action.
2. Most contamination will degrade in the vadose zone source through biological activity or volatilization. The partition equation cannot include this action.
3. If the source of the contamination is not continuous to the top of the water table, the contamination will decrease as the leachate migrates from the source to the water table as they are retarded by sorption to organic material, colloidal particles, clays and other depending on the contaminant between the source and water table. The partition equation cannot include this action.
4. The contaminants may also degrade during migration from the source to the water table. The partition equation cannot include this action.
5. The partition equation cannot include the effects of geologic heterogeneity.

Due to these limitations, the model will likely predict lower concentrations of contaminants in soil that will cause the concentrations of contamination in groundwater to exceed enforcement standards than what will truly affect groundwater. It should therefore be considered a "worst case scenario" that is extremely protective of groundwater.

1.2. Soil to Vapor Models

Similar to the Soil-Water Partition equation, partition from soil-to-soil vapor for volatile compounds can be described by the following equation:

$$C_{vapor} = \frac{(C_{bulk} \times H' \rho_b)}{(K_{oc} f_{oc} \rho_b + \theta_w + HLC\, \theta_a}$$

where:

C_{vapor} = soil vapor concentration (mass/volume)
C_{bulk} = site specific bulk soil concentration (mass/mass)
H' = chemical specific dimensionless Henry's Law constant
ρ_b = site specific dry bulk soil density (mass/volume) can use default of 1,500 kg/m^3
K_{oc} = chemical specific organic carbon partition coefficient
f_{oc} = site specific fraction organic carbon content of soil (mass/mass)
θ_w = water filled porosity,
θ_a = air filled porosity
HLC = chemical specific Henry's Law constant (atm*m^3/mol)
n = total porosity

(US EPA, 2014)

While this equation does describe partition from soil to soil vapor, after researching available soil to groundwater models, soil to vapor models, and the partition equations that govern these models, we have

determined that it will not be possible to accurately model when it is necessary to sample soil gas based on the concentrations of contaminants in soil. This is for several reasons, most importantly that heterogeneities in the soil structure and contaminant distribution, and sampling bias caused by a loss of VOCs (even when samples are preserved it the field with methanol) make any prediction inaccurate.

Models available from both New Jersey and Washington State may calculate partition from soil to soil vapor, but both states will not allow the soil to soil vapor calculations to be used in regulatory decisions.

The following quotes from the United States Environmental Protection Agency (US EPA) and Interstate Technology and Regulatory Council (ITRC) support this decision. Page 87 of the US EPA Office of Solid Waste and Emergency Response (OSWER) Technical Guide (2015) states:

> … bulk soil (as opposed to soil gas) sampling and analysis is not currently recommended for estimating the potential for vapor intrusion to pose unacceptable human health risk in indoor air, because of the potential for vapor loss due to volatilization during soil sampling, preservation, and chemical analysis. In addition, there are uncertainties associated with soil partition calculations.

Page 23 of the ITRC document titled "Vapor Intrusion Pathway: A Practical Guideline" (2007), suggests:

> Soil matrix data are less than ideal for evaluating vapor intrusion risk because of the uncertainty associated with using partition equations to calculate soil gas concentrations and the potential loss of VOCs during sample collection. Numerous studies have identified sampling biases, and USEPA (1993a) has determined that the scale of the biases can be as large as several orders of magnitude. Scientific studies have failed to show a good correlation between soil and soil gas sampling and analysis on a consistent basis. Consequently, soil data should be used as a screening or secondary line of evidence in vapor intrusion assessments. Soil data may be available from previous investigations and therefore assist in the development of a CSM (e.g., source location or contaminant distribution).

Likewise, a different ITRC document from 2014 titled "Petroleum Vapor Intrusion Fundamentals of Screening, Investigation, and Management," explains:

> Soil to soil gas partition equations are readily available, but empirical data show a poor correlation between predicted soil gas values from soil data and actual measured values for petroleum hydrocarbons (PHCs).

Stone can include this equation in the Soil-Water Partition Calculator if requested, but strongly suggests the results only be used as guidance and may not represent actual site conditions.

The VT DEC *Vapor Intrusion Guidelines* (March 2020) provides flow charts and strategies to assess if further work is necessary to remediate a site for vapor intrusion (VI)[1]. The flow charts in the guidance are focused primarily on VI into existing buildings but can also guide the VT DEC to understand where subsurface soil contamination could create vapor intrusion issues if new structures are constructed over the contamination. The VT DEC will need to make a policy decision consistent with the IRule whether active remediation is

[1] (https://dec.vermont.gov/sites/dec/files/wmp/Sites/Final.Vapor_.Intrusion.Guidance.Clean_.Version.with_.TOC_.pdf)

required or if institutional controls detailing what actions are necessary to prevent VI can be the acceptable remedial strategy if construction of structure(s) are planned for the site.

2. An Integrated Process to Determine Appropriate Soil Cleanup Approaches

When a site investigation demonstrates the presence of contaminated soils, the VT DEC must determine if the contamination could cause groundwater to be impacted. This integrated process will help the VT DEC determine if further site assessment is necessary or if the contamination does not pose a risk to groundwater.

2.1. Soil-Water Partition Calculator

Stone developed the Vermont Soil Water Partition Calculator (the Calculator) that predicts the concentration of contaminants in soil that could cause the concentration of the contaminants in groundwater to exceed the VGES, hereafter referred to as the Predicted Soil Cleanup Levels or PSCLs, by back-calculating soil concentrations from acceptable groundwater concentrations. The Calculator includes a chemical-specific list of published parameters for each compound including the VGES (C_{gw}), K_{oc} (for organic chemicals), K_d (for inorganic chemicals), and H', included as a tab in the spreadsheet. The calculator also uses default soil characteristic values that are generally acceptable for Vermont, as shown in Table 1.

Table 1: Default Soil Characteristic Values

Variable	Definition	Value
θ_w	Water-filled soil porosity	0.23 (dimensionless)
θ_a	Air-filled soil porosity	0.18 (dimensionless)
f_{oc}	Fraction organic carbon	0.002 (dimensionless)
ρb	Dry soil bulk density	1.5 kg/L

A default Dilution Attenuation Factor (DAF) of 20 has historically been used to estimate the concentration of a contaminant in groundwater after mixing with the groundwater dilutes the contamination. The Calculator allows the user to default to a DAF of 20 or calculate a more specific DAF using the default parameters taken from the New Jersey Soil-Water Partition Calculator, as shown in Table 2.

Table 2: Default DAF Values

Variable	Definition	Value
L	Length of area of concern parallel to groundwater flow	0.3 meters
d_a	Aquifer thickness	3.51 meters
I	Infiltration rate	0.28 meters/year (11 inches/year)

Variable	Definition	Value
K	Hydraulic conductivity	15,808 meters/year
i	Gradient	0.003 (dimensionless)
d	Mixing zone depth	0.03 meters

The PSCLs may be used by DEC as a screening tool to make an initial determination of whether further site assessment is necessary to protect groundwater (see the Flow Chart in Appendix A). If concentrations of contaminants in soils exceed the PSCLs, further site assessment would include leaching tests and substitution of site-specific soil and hydrogeologic data into the Calculator to refine estimates of PSCLs. If concentrations of contaminants do not exceed the PSCLs, the DEC may decide not to remediate soils to prevent contamination of groundwater above the enforcement standards.

2.2. Leaching Tests

If the Calculator indicates that the concentration of a contaminant in soil could partition to groundwater, a laboratory leaching test (US EPA, 1999) may be used as a tool using site-specific soils to assess the accuracy of the PSCLs for the site. If the appropriate leaching tests demonstrate that the site-specific contamination will leach from the contaminated soils in concentrations below the VGES, remediation to protect groundwater may not be necessary.

The most common leaching tests are the Toxicity Characteristic Leaching Procedure (TCLP) and the Synthetic Precipitation Leaching Procedure (SPLP). As the SPLP test was designed to "model an acid rain leaching environment and is generally appropriate for a contaminated soil scenario" (US EPA, 1999), it is a better choice than the TCLP leaching test to assess the potential for soils to contaminate groundwater; the TCLP uses very aggressive leaching procedures, replicating conditions in landfills, and may not be appropriate to model a typical site situation.

If the soil is contaminated with non-aqueous phase liquid (NAPL), leaching tests are not appropriate[2].

The Flow Chart in Appendix A provides guidance on situations where use of the Calculator and leaching tests are appropriate.

2.3. Further Site Assessment

If concentrations of contaminants in soils exceed the default or site-specific PSCLs, and leaching tests indicate that contamination may leach from soils in concentrations exceeding the VGES, further site assessment including groundwater sampling may be necessary. If the soil concentrations do not exceed the PSCLs and leaching tests do not produce leachate in concentrations above the VGES, but available data demonstrate that concentrations of contaminants in groundwater exceed the VGES, this indicates that the on-site contaminant source or sources have not been fully characterized, or there may be an off-site source that needs to be identified.

[2] The IRule suggests most soils contaminated with NAPL need to be remediated.

3. Field Trials and Model Calibration

This section presents field trials from two existing sites in Vermont, used to calibrate the Vermont Soil-Water Partition Calculator and the Flow Chart (Appendix A).

3.1. 202 Bay Street, St. Johnsbury, SMS #20204966

This site is comprised of one, approximately 0.98-acre parcel, located at 202 Bay Street in St. Johnsbury, Vermont (Figure C-1, Appendix C). The Site is bound to the north by the St. Johnsbury Paper Company; to the west by a railroad corridor; the east by Bay Street, an RK Miles lumber storage yard for an adjacent lumber retail store, and a bike pavilion associated with the Lamoille Valley Rail Trail; and to the south by an RK Miles lumber storage building.

The Site was first developed after 1895 when the Passumpsic River was relocated from its natural location to be approximately 250 feet east of the Site. The Site buildings were presumably constructed on fill materials used to infill the historic river channel. The Site was developed by the early 1900s as a retailer of grain and coal. The building was designed to hold, mix, and distribute 150 tons of grain.

Six buildings are currently located on the Site, including a former grain elevator and storage building, coal hoppers shed, former grist mill, former retail and storage building, former office building, and a carriage shed. Several of the buildings are served by municipal water and sewer. Electrical service to the Site buildings is provided by pole mounted electrical utilities located along Bay Street to the east. An asphalt paved parking lot provides access from Bay Street and covers the majority of the Site, with a gravel driveway providing access to the coal hoppers shed. Asphalt is present at the surface in most areas not covered by buildings, including at soil boring SB-6. Remaining surfaces are covered by fill, refuse, or grass; soil boring SB-4 is located in the gravel driveway that provides access to the coal hoppers shed.

Current Site uses include a workshop for a manufacturer of wooden board game tables (former office building), contractor storage (carriage shed, former retail and storage building, grist mill, and coal hopper sheds), and storage for an auction house (former retail and storage building). Other recent Site uses have included operation of a machine shop, an antique shop, storage, shop space for construction contractors, offices, and an indoor BMX bicycle park.

The site is located in a valley adjacent to Passumpsic River. The Vermont Surficial Geology map describes the surficial materials as post-glacial recent alluvium.

Findings from a Phase I Environmental Site Assessment (ESA), carried out by Stone in 2021, are shown on Figure C-1 in Appendix C as points of interest and include:

- REC #1: Historic industrial practices and remaining evidence of these practices at the Site including coal and grain storage and machining with oil-staining on building materials adjacent to grain elevator equipment.
- REC #2: Proximity to historic and active rail lines, including the presence of a rail spur on the Site.

- REC #3: Presence of unsecured petroleum and potentially hazardous substance containers throughout the Site, some exhibiting evidence of releases.
- REC #4: Presence of empty and degraded 55-gallon drums on the Site near a rail embankment.
- REC #5: Reported removal of a 500-gallon gasoline underground storage tank from the Site at least thirty years ago.
- REC #6: Occurrence of benzene contamination in groundwater at concentrations exceeding VGES on the adjoining KNTT Investments property.
- REC #7: Location of the Site as hydraulically downgradient of several State of Vermont Hazardous Waste Sites.
- REC #8: Importation of fill from an unknown source at the time of Site development.

3.1.1. Field Trials

Stone carried out a Phase II ESA in the summer of 2021 to address the findings of the Phase I ESA. Field work was performed between June 2 and July 7. Fieldwork included the advancement of eight soil borings and installation of six piezometers. The available boring logs indicate alluvial material including sands and silts with some peat underlain by poorly sorted, sub-angular cobbles with gravel and sand. The depth to bedrock is unknown.

Six of the borings did not encounter signs of contamination with concentrations of total volatile organic compounds measured with a photoionization detector (PID) ranging from 0 to 0.1 parts-per-million by volume (ppm v/v). One boring did have slightly higher PID values of 0.8 to 1.9 ppm v/v. Soil boring SB-6, advanced adjacent to REC #5, exhibited signs of contamination with staining, gasoline odor and "hydrocarbon" odor. PID values ranged from low numbers at the surface to as high as 1,813 ppm v/v.

Following the advancement of soil borings, piezometers were installed and sampled. Groundwater samples collected from the majority of the piezometers did not exhibit contamination above the VGES; however, piezometer PZ-6 was contaminated with VOCs and SVOCs in concentrations above the VGES.

As both contaminated and uncontaminated groundwater and soil data exist, this site was used to calibrate the Soil-Water Partition Calculator and Flow Chart. Soil contamination in SB-6 (PZ-6) included elevated concentrations of: naphthalene, benzo(a)pyrene, ethylbenzene, toluene, total xylene, naphthalene, 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene. None of these compounds were present in SB-4 (PZ-3), which was the only soil boring other than SB-6 with elevated PID values.

The Flow Chart in Appendix A was used to assess whether the methodology is effective in determining if soils require remediation; it is applicable as contaminated soils are in the subsurface unsaturated zone. Default PSCLs were estimated for SB-4 and SB-6 for the eight compounds with elevated concentrations in SB-6 and compared to the observed concentrations from the Phase II ESA. SPLP testing was not available, so this step was omitted from the methodology for this field trial.

3.1.2. Results

Table E-1 (SVOCs) and Table E-2 (VOCs) in Appendix E show the actual concentrations of contaminants in soil at 202 Bay Street, while Table E-3 (SVOCs) and Table E-4 (VOCs) show the actual concentrations of contaminants in groundwater at 202 Bay Street.

Table E-7 shows the PSCLs of target SVOCs and VOCs in soil in SB-4 and SB-6. PSCLs were calculated using the default input parameters discussed in Section 2.1, except for annual recharge. Stone used annual recharge values of 11 inches per year (the default), and a lower value of six inches per year due to the area being covered largely by asphalt or buildings. The observed concentrations of seven of the eight contaminants

in SB-6 significantly exceeded the PSCLs in both recharge scenarios. None of the concentrations of the eight compounds exceeded the PSCLs in SB-4 in either recharge scenario.

Comparison of the PSCLs to actual groundwater concentrations shows that in each case where the concentrations of contaminants in the soil exceeded the PSCLs, the concentrations of the contaminants in groundwater exceeded the VGES. Therefore, if only contaminant concentrations in soils were available, the model would indicate that further work to address soil contamination may be necessary to protect groundwater, supporting the efficacy of the approach presented in this report.

3.2. 289 Barre Street, SMS #20154614

This site is comprised of one, approximately 0.28-acre parcel, located at 289 Barre Street in Montpelier, Vermont (Figure C-2, Appendix C). The Subject Property is in a mixed commercial and residential area.

The Site was occupied by a welding shop starting in the late 1940s, then by Tallman's Garage (auto repair) in the 1960s and 1970s. In the late 1970s, the Site was operated as Ibey's Garage and was the residence of Paul and Susan Ibey. Ibey's Garage performed automotive service at the property including undercoating using various oils. Oils used for undercoating were derived from many different sources including waste oil, bar and chain oil, and beef tallow.

The Site contains a one-story, approximately 1,200-square foot, residential building. Access to the Site is provided by a gravel driveway via Gin Lane. Ibey's Garage, previously located on the Site, was demolished in 2019. The footprint of the former automotive service garage remains and has been filled in with gravel. A stormwater treatment feature is located on the Site, west of the residential building. It includes a rock-lined swale, storm drains and a sewer pump station. The Site is served with municipal sewer and water. Green Mountain Power provides the Site with electric utility service. Surface materials at the site are comprised of gravel parking areas and turf.

The Site is bordered by commercial businesses to the south (Caledonia Spirits) and west (TreeWorks), an undeveloped parcel and residential property to the east, and an undeveloped meadow to the north. A Vermont Rail Systems switch is located at the western corner of the Site. A railroad traverses the northern and southern property boundary. Gin Lane forms the eastern boundary.

The site is located in the Winooski River Valley and is located between Barre Street and the River. The Vermont Surficial Geology map indicates the site is located in an area of silty clay located adjacent to recent alluvium.

3.2.1. Field Trials and Results

A Phase II ESA was performed by Stone from May through September 2021, including the advancement of four soils borings, which were completed as monitoring wells. The soil borings describe the surficial geology as primarily sandy silt, but also coarser sands and gravel, indicating the site is located at the edge of the alluvium. No bedrock was encountered.

Similar to 202 Bay Street in St. Johnsbury, the available data included soil and groundwater data. The soil analytical data were assessed using the Flow Chart in Appendix A; SPLP testing was conducted.

Table E-5 and Table E-6 in Appendix E shows actual concentrations of metals in soil and groundwater, respectively, at 289 Barre Street. At this site, the presence of lead and chromium in subsurface soil is the primary concern. Table E-8 in Appendix E shows the default PSCLs for lead and chromium in the four soil samples. PSCLs were calculated using the default input parameters discussed in Section 2.1, except for annual

recharge. Stone used annual recharge values of eleven inches per year (the default), and a higher value of eighteen inches per year to reflect the site-specific geology. The concentrations of chromium in the soils in all four soil borings was significantly lower than the PSCLs in both recharge scenarios, indicating the further work to assess chromium may not be necessary. The concentrations of lead, however, were significantly higher than the PSCLs in both recharge scenarios, indicating that further investigation may be warranted.

All samples were extracted with the SPLP process (Table E-8). The SPLP for chromium did not exceed the VGES in any of the soil borings, supporting the concept that no further assessment of chromium is needed. Groundwater analysis agrees as chromium was not present above the VGES in any of the wells.

Results for lead were less definitive, however. The lead concentrations in the four soil samples exceeded the PSCL, and the SPLP extract exceeded the VGES. However, the observed concentrations of lead in groundwater in the four wells did not exceed the VGES. This includes the groundwater sample from monitoring well MW-3 where lead was detected in soil at 48,000 mg/kg and in the SPLP extract at 310 μg/l, exceeding the VGES of 15 μg/l. Observed results showed that lead was present in groundwater at 1.5 μg/l.

In summary, the approach appeared to work well when assessing chromium in soils. This approach to assess lead, however, does not appear to match actual site conditions. This indicates that more work is necessary to understand whether lead needs to be remediated in the soil.

4. Conclusions and Recommendations

Stone has developed an integrated process using the Vermont Soil-Water Partition Calculator and the Contaminated Soils Remediation Decision Flow Chart to determine whether contaminated soils must be remediated to prevent impact to groundwater. Calibration of the process with soil and groundwater data from two hazardous waste sites in Vermont indicates that it works well as a preliminary screening tool. The Calculator successfully predicted whether soil required remediation for VOCs, SVOC, and chromium, but it was not as successful in predicting whether soils require remediation for lead. The approach is a practical tool to screen subsurface soil, ideally where contamination is immediately above the water table.

Field trials were conducted at two sites with subsurface contamination. At 202 Bay Street, VOC and SVOC soil data from a gasoline underground storage tank release at 13 feet bgs were used to calibrate the model. The area was paved. At 289 Barre Street, chromium and lead soil data collected between 2.5 and 4.0 feet bgs were used to calibrate the model. The surface was covered with gravel and turf.

Limitations to the soil-water partition equation are presented in Section 1.1.2.1. Important limitations include that the equation does not account for dilution, retardation, or biological degradation during transport through the unsaturated zone. Due to the absence of variables representing degradation in the equation, this approach is very protective of groundwater. In addition, the equation does not account for geologic heterogeneities or preferential pathways; it only applies to point-source contamination.

Input parameters that the model is most sensitive to (i.e. will have the largest impact on results) include infiltration rate, hydraulic conductivity, and K_{oc}. In order to accurately estimate the infiltration rate, it is important to consider surface conditions of the site, including but not be limited to: runoff conditions (steep versus flat terrain), impermeable coverings (buildings and asphalt), and surficial geology (gravel versus till). The default infiltration rate in the Calculator is 11 inches per year. This figure is a reasonable average for New England and was also used in the New Jersey Soil-Water Partition Calculator. Where steep slopes or low conductivity surficial materials exist, infiltration rates could be lowered to six inches per year or less. On flat ground with more conductive surficial materials, infiltrations rates could be increased to 18 inches per year or more (VT DEC, 1997). The published contaminant parameters such as K_{oc} will likely not change, although site-specific Henry's Law constants can be calculated to reflect the cool groundwater temperatures in Vermont, which could have a significant effect on the model results for highly volatile compounds.

While the data were useful for initial model validation, Stone recommends collecting more data to represent a diversity of field conditions and contaminants. For example, calibrating the model with chlorinated VOC data would be useful due to the magnitude of chlorinated VOC-impacted sites in Vermont. Collecting data from variety of release types would also be useful to determine if the Calculator is more applicable to one release type than another. Last, because the model is sensitive to input values for recharge, collecting more data to represent various recharge scenarios (i.e. paved, non-paved, summer season, winter season) would help evaluate the Calculator.

This method would be inadequate to fully assess a large site where there are multiple contaminants and sources. It could however be useful as part to the site assessment toolbox to help with preliminary assessments of separate areas of contamination.

5. References

Agency of Natural Resources, Department of Conservation, Water Supply Division, 1997, Protecting Public Water Sources in Vermont, A Guidance Document in Reference to Section 1428 of the Federal Safe Drinking Water Act; 10 VSA, Chapter 56; and Vermont's Water Supply Rule.

Doll, C.G., Stewart, D.P., and MacClintock, P., 1970, Surficial Geologic Map of Vermont, Digital Data (VT Open Geodata Portal).

Interstate Technology and Regulatory Council (ITRC), 2014, Petroleum Vapor Intrusion Fundamentals of Screening, Investigation, and Management.

ITRC, 2007, Vapor Intrusion Pathway: A Practical Guideline, pg. 23.

United States Environmental Protection Agency (US EPA) Office of Solid Waste and Emergency Response (OSWER) Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air, 2015, OSWER Publication 9200.2-154, pg. 87.

US EPA, July 1999, Soil Screening Guidance: Users Guide, Publication 9355.4-23 Washington, DC.

US EPA, 1993, Behaviour and Determination of Volatile Organic Compounds in Soil: A Literature Review, EPA/600/SR-93/140.

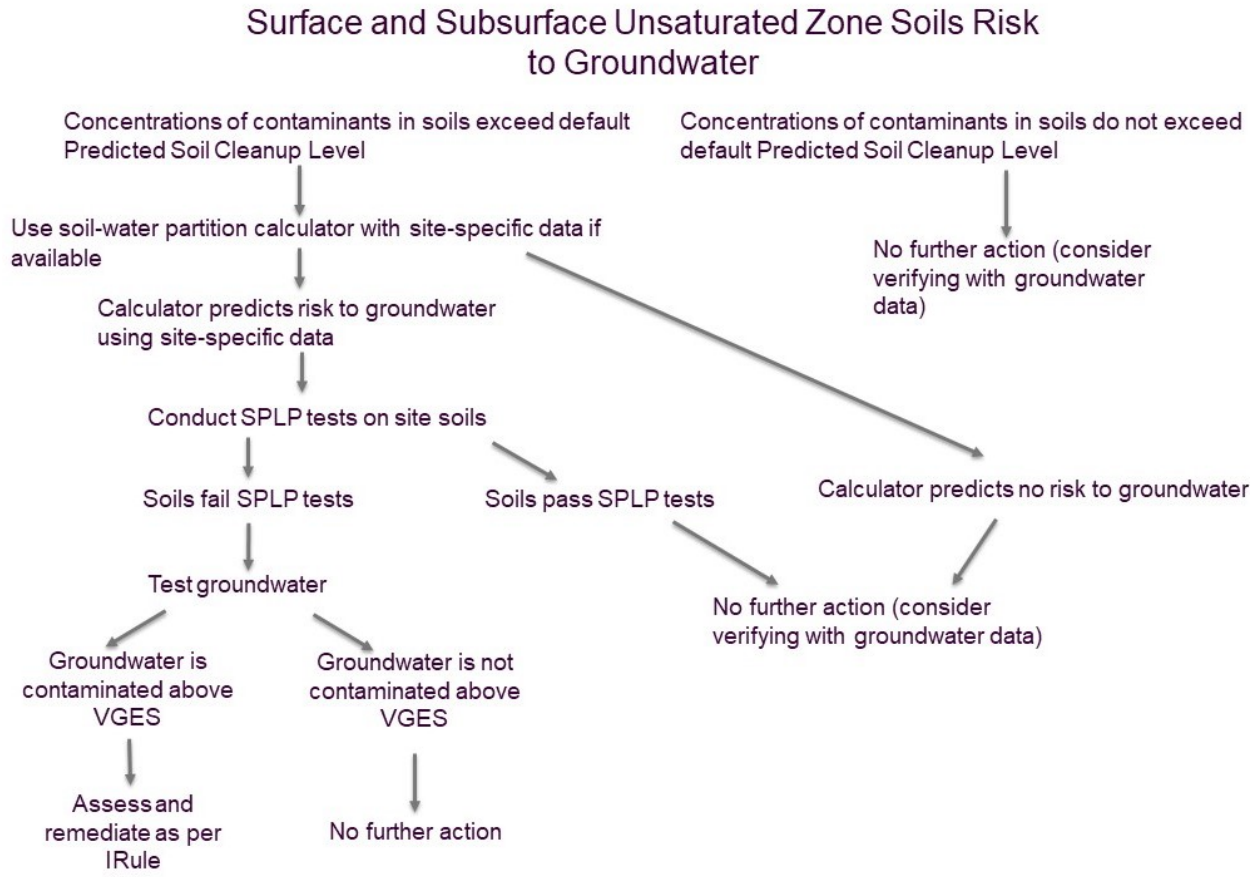
US EPA, 1996, Soil Screening Guidance: Technical Background Document" EPA/540/R-95/128.

US EPA, 2014, Challenges in Bulk Soil Sampling and Analysis for Vapor Intrusion Screening of Soil, EPA/600/R-14/277.

Appendix A – Contaminated Soils Remediation Decision Flow Chart

The objectives of remediating surface soils are to remove any direct contact risk and protect groundwater. The objective of remediating subsurface soils is to protect groundwater.

Figure A-1: Decision Flow Chart



Notes:

- If there are multiple soil types contaminated with the site-specific contaminants, it may be necessary to conduct SPLP testing of different soil types.
- If the contaminants are located in stratigraphic layers, and the SPLP results from the lowest layer do not exceed groundwater enforcement, there may be an argument not to remediate.

- If a site has groundwater contamination above enforcement standards, but SPLP testing demonstrates that on-site contaminated soils will not leach contaminants in concentrations above standards, more characterization may be needed to determine the source of the groundwater contamination.

Appendix B – Discussion of Models Reviewed by Stone

Analytical Models

A number of states including New Jersey and Washington use a soil-water partition calculator as one of their soil screening tools.

The New Jersey (NJ) excel spread sheet calculator using the US EPA soil water partition equations is the model for the soil to groundwater screening calculator developed by Stone. The NJ spreadsheet is not useable in its present form for Vermont, as most of the cells in the Excel Spreadsheet are locked for editing and include parameters that may not be applicable for Vermont. These include groundwater standards, infiltration rates, Henry's Law constant (may vary with subsurface temperature and weathering of the contaminant), soil bulk density, porosity, hydraulic conductivity, and solubility (different sources do not present consistent solubility values for all compounds). The NJ calculator does allow input of site specific foc values but generally defaults to 0.002.

The Stone calculator is essentially the same as NJ with however the cells unlocked so VT site specific values can be entered. As Vermont has different groundwater protection standards than NJ, different rates of infiltration, and different groundwater temperatures, the Stone calculator is more appropriate for Vermont conditions.

New Jersey Site-Specific Impact to Ground Water (IGW)

New Jersey provides background information regarding how they developed the calculator at - https://www.nj.gov/dep/srp/guidance/rs/bb_migration_gw.pdf

The New Jersey Soil Water Partition Calculator can be found at- https://www.nj.gov/dep/srp/guidance/rs/soil_migration_pathway_calculator.xlsm

The Washington State Workbook for calculating Cleanup Levels for Individual Hazardous Substances

The Groundwater calculator is similar, but it is not appropriate for use in VT as it has been expanded to set site specific health based drinking water risk based cleanup values. In VT, health based cleanup values set by the VT DOH and VT DEC are reflected in the standards in the Groundwater Protection Rule and Strategy.

The Washington State Workbook Users Guide is available at- https://apps.ecology.wa.gov/publications/documents/0109073.pdf

Access to Workbooks is available at- https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools

The US EPA Soil Screening Guidance

The guidance provides the equations used in the various calculators including the Stone model. The EPA used to have a publicly-available model that would allow the user to enter site specific parameters including climate data, but EPA no longer supports this model or has it on their web site.

Access to guidance document - https://semspub.epa.gov/work/HQ/175238.pdf

Strengths and Weaknesses of the Analytical Model

Strengths:

- Easy to use
- Includes site specific data where applicable
- Verified and defensible equation
- Protective of groundwater

Weaknesses:

- Overprotective (not realistic as it is the "worst case scenario").
- Assumes no distance from the bottom of the contaminated soils and the top of the water table.
- Does not include retardation and natural attenuation in the vadose zone below the contaminated soils.
- Does not allow inclusion of the effects of geologic heterogeneities.

Stone has included the US EPA soil water partition equation used by New Jersey and Washington adapted to Vermont regulations and geology in developing Vermont specific Vermont Soil-Water Partition Calculator that is used to calculate Predicted Soil Cleanup Levels for all compounds included in the VT GWES.

Numerical models

SEVIEW

Stone reviewed the SEAVIEW software (http://www.seview.com/index.htm) as a possible tool for the DEC to use. It is a commercially available software model that claims to be used by many state regulatory agencies and consultants to develop baseline and site specific soil cleanup standards. The software acts as an interface for two separate models: SESOIL and AT123D.

SESOIL

"SESOIL is a one-dimensional vertical transport model for the unsaturated (vadose) zone that simulates contaminant transport based on diffusion, adsorption, volatilization, biodegradation, cation exchange and hydrolysis. SESOIL is an acronym for the Seasonal Soil compartment model. It contains three sub-models that simultaneously simulate contaminant transport, soil water movement and soil erosion," (http://www.seview.com/sesoil.htm).

Section 3.4 of the New Jersey 2021 "Soil and Soil Leachate Remediation Standards for the Migration to Groundwater Exposure Pat, Basis and Background" document describes the SESOIL model at: https://www.nj.gov/dep/srp/guidance/rs/bb_migration_gw.pdf

"The Seasonal Soil Compartment Model (SESOIL) was originally formulated by Arthur D. Little and Associates for the USEPA (Bonazountas and Wagner, 1984). Since that time it has been revised and updated several times (Bonazountas et al., 1997). The model now has nearly a 20- year history and has been subject to several laboratory and field validation studies (Bonazountas et al., 1997; Melancon et al., 1986; Sanders, 1995).

The SESOIL model has become fairly well established and has been accepted by several state agencies and the USEPA for calculating remediation standards. Some of the states routinely using SESOIL exclusively or SESOIL with AT123D (a ground water transport model) are Oregon, New Hampshire, Wisconsin, Massachusetts and Hawaii. The models may be useful for site-specific remediation standard calculations when 1) there is a clean zone of soil between the contamination and the water table, or 2) when ground water plume modeling is desired.

The SESOIL model accounts for the contaminant processes of advection, volatilization, degradation, and surface runoff (Bonazountas and Wagner, 1984, Bonazountas et al., 1997). Precipitation is generated using a statistical formula that incorporates monthly New Jersey climate data. Water transport is calculated via the statistical water balance dynamics theory of Eagleson (1978). The model includes the mechanisms of runoff, infiltration, evapotranspiration, and ground water recharge. The capillary fringe effect is also included. Contaminant transport downward is calculated via advection using the retardation factor. The factor allows calculation of the distance of contaminant transport during each time step. The soil column is considered to be layered into several compartments. Contaminant entering a soil compartment is considered to be immediately mixed through the entire compartment. Vapor phase transport is also modeled (upward direction only) to allow calculation of contaminant volatilization. Various options for contaminant degradation are also included. However, with one exception, the Department does not allow for contaminant degradation. The exception applies to benzene, toluene, ethylbenzenes and xylene, and other hydrocarbons which may degrade rapidly in the vadose zone under certain conditions (DeVaull et al., 2002; Howard et al., 1991). Biodegradation is a highly variable, highly site-specific parameter that is not amenable to routine determination in the unsaturated soil zone without research-level investigation. However, volatile hydrocarbons generally exhibit fairly rapid degradation in the soil. Based on a review of reported unsaturated soil zone degradation rates reported by Devaull et al. (2002), it was observed that for volatile hydrocarbons, half-lives were generally one month or less. Picking contaminant-specific half-lives for these chemicals implies a more accurate value for each contaminant than exists without site-specific investigation. A one-month half-life (rate constant of 0.023 days-1) was judged to be adequately protective for these contaminants while still providing rapid attenuation for volatile hydrocarbons in the unsaturated soil zone. For these contaminants, a default half-life of 1 month may be used in the SESOIL model."

AT123D

"AT123D is a generalized three-dimensional groundwater transport and fate model. AT123D is an acronym for Analytical Transient 1-, 2-, and 3-Dimensional Simulation of Waste Transport in the Aquifer System. It simulates contaminant transport under one-dimensional groundwater flow. Transport and fate processes simulated include advection, dispersion, diffusion, adsorption, and biological decay."

The SEASOL and AT123D models and references can be found at http://www.seview.com/at123d.htm

The SEVIEW software could be a good model to estimate potential impact to groundwater but is probably not something the DEC staff could use as it is beyond the scope of this proposal. It will require modeling expertise and has a yearly maintenance fee above the license fee. It is however something the DEC cold allow consultants could use to support a proposal not to remediate specific soils.

Stone does not recommend this model.

The SEVIEW website does provide two free slide calculators based on the same partition equations that Stone uses in the Vermont Soil-Water Partition Slider Calculator. These are:

The partition equation slide rule that is available at: http://www.seview.com/calc/spe.htm

The Seaview also has an analytical dilution attenuation factor (DAF) calculator that is available at http://www.seview.com/calc/spedaf.htm

USEPA VLEACH

This is a one-dimensional finite difference vadose zone leaching model developed for the US EPA. A discussion of this model is available at:

> VLEACH: A One-Dimensional Finite Difference Vadose Zone Leaching Model Version 2.2a | US EPA
>
> https://www.epa.gov/water-research/vleach-one-dimensional-finite-difference-vadose-zone-leaching-model-version-22a

A 2007 version of the model is available at no cost from the US EPS at:

> https://www.epa.gov/water-research/vadose-zone-leaching-vleach

As a finite difference model, while it could provide accurate site specific soil remediation standards, as with other numerical models, it requires trained modelers and significant amounts of site specific data. If used by a consultant to propose site specific standards, this would require the DEC to have trained modelers to review the proposal,

Stone does not recommend this model.

MODFLOW

MODFLOW is a numerical three dimensional, finite difference groundwater flow model that was developed by the USGS. It has become one of the most used numerical groundwater flow models due to its accuracy and ability to integrate with other models.

> https://www.usgs.gov/mission-areas/water-resources/science/modflow-and-related-programs?qt-science_center_objects=0#qt-science_center_objects

This model is primarily a groundwater flow model and not a fate and transport model or vadose zone model. It would be useful when integrated with a fate and transport model to model contaminants in the saturated zone, but requires trained modelers and significant site specific data. It is not within the scope of this study.

Stone does not recommend this model.

Appendix E: Lab Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Laura Rajnak
Stone Environmental
535 Stone Cutters Way
Montpelier, Vermont 05602

Generated 12/11/2024 4:07:21 PM

JOB DESCRIPTION

203 Country Club Road

JOB NUMBER

620-22611-1

Eurofins Rhode Island
646 Camp Ave
North Kingstown RI 02852

See page two for job notes and contact information.

my EOL

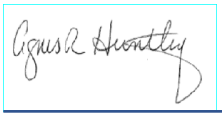
Eurofins Rhode Island

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
12/11/2024 4:07:21 PM

Authorized for release by
Agnes Huntley, Project Manager
Agnes.Huntley@et.eurofinsus.com
(401)267-4374

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 7
Client Sample Results 18
Surrogate Summary 53
QC Sample Results 54
QC Association Summary 67
Lab Chronicle 74
Certification Summary 88
Method Summary 89
Sample Summary 90
Chain of Custody 91
Receipt Checklists 95

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 620-22611-1 Eurofins Rhode Island

Job Narrative
620-22611-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 11/27/2024 10:37 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C.

Pesticides
Method 8081B: The continuing calibration verification (CCV) associated with batch 620-42084 recovered above the upper control limit for Endrin. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 620-42084/15) and (CCVIS 620-42084/4).

Method 8081B: The continuing calibration verification (CCV) associated with batch 620-42247 recovered above the upper control limit for Endrin. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8081B: The continuing calibration verification (CCV) associated with batch 620-42156 recovered outside acceptance criteria, low biased, on the primary column for 4,4'-DDT, Methoxychlor and Endrin ketone. The analytes were within control limits on the confirmation column. Since the associated samples were non-detect for the analytes, the data are reported.

Method 8081B: The continuing calibration verification (CCV) associated with batch 620-42156 recovered above the upper control limit for Endrin. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 620-42156/4).

Method 8081B: The following samples required a dilution due to the nature of the sample matrix: DU-G1-A (620-22611-8), DU-G1-B (620-22611-9) and DU-G1-C (620-22611-10). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8081B: Surrogate recovery for the following samples was outside control limits: SD-2 (620-22611-12), DU-G2-C (620-22611-21) and DU-F2-A (620-22611-22). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed. The surrogate was reported from the confirmation signal.

Method 8081B: The continuing calibration verification (CCV) associated with batch 620-42322 recovered above the upper control limit for Endrin. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8081B: The continuing calibration verification (CCV) associated with batch 620-42322 recovered below the lower control limit for Endrin aldehyde on the primary column. The analyte was within control limits on the confirmation column. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8081B: The DCB Decachlorobiphenyl (Surr) surrogate recovery for the following samples was outside acceptance limits (high biased) on the primary column due to matrix interference: DU-G3-B (620-22611-29), DU-G3-C (620-22611-30) and DU-F3-B (620-22611-32). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

Method 8081B: The continuing calibration verification (CCV) associated with batch 620-42349 recovered above the upper control limit for Endrin. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Client: Stone Environmental
Project: 203 Country Club Road

Job ID: 620-22611-1

Job ID: 620-22611-1 (Continued) Eurofins Rhode Island

Method 8081B: The continuing calibration verification (CCV) associated with batch 620-42349 recovered below the lower control limit for Methoxychlor and Endrin aldehyde, on the primary column. the analytes were within control limits on the confirmation column. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: SD-4 — Lab Sample ID: 620-22611-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.3	J	3.5	0.44	mg/Kg	2	☼	6010D	Total/NA
Barium	4.0		2.3	0.27	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.24	J	1.2	0.060	mg/Kg	2	☼	6010D	Total/NA
Chromium	9.6		2.3	0.31	mg/Kg	2	☼	6010D	Total/NA
Copper	12		2.3	0.56	mg/Kg	2	☼	6010D	Total/NA
Lead	4.2		3.5	0.49	mg/Kg	2	☼	6010D	Total/NA
Nickel	9.5		2.3	0.27	mg/Kg	2	☼	6010D	Total/NA
Zinc	24		7.0	1.8	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.011	J	0.048	0.0079	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DU-T1-A — Lab Sample ID: 620-22611-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1.0	J	11	0.86	mg/Kg	2	☼	6010D	Total/NA
Arsenic	3.5		3.4	0.43	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.10	J	1.1	0.057	mg/Kg	2	☼	6010D	Total/NA
Barium	17		2.3	0.27	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.28	J	1.1	0.059	mg/Kg	2	☼	6010D	Total/NA
Chromium	15		2.3	0.30	mg/Kg	2	☼	6010D	Total/NA
Copper	12		2.3	0.55	mg/Kg	2	☼	6010D	Total/NA
Lead	7.9		3.4	0.48	mg/Kg	2	☼	6010D	Total/NA
Nickel	19		2.3	0.26	mg/Kg	2	☼	6010D	Total/NA
Zinc	34		6.9	1.8	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.029	J	0.048	0.0080	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DU-T1-B — Lab Sample ID: 620-22611-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.6	J	2.9	0.37	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.053	J	0.98	0.049	mg/Kg	2	☼	6010D	Total/NA
Barium	5.7		2.0	0.23	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.15	J	0.98	0.051	mg/Kg	2	☼	6010D	Total/NA
Chromium	9.5		2.0	0.26	mg/Kg	2	☼	6010D	Total/NA
Copper	7.1		2.0	0.47	mg/Kg	2	☼	6010D	Total/NA
Lead	4.7		2.9	0.42	mg/Kg	2	☼	6010D	Total/NA
Nickel	8.5		2.0	0.23	mg/Kg	2	☼	6010D	Total/NA
Zinc	20		5.9	1.5	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.031	J	0.053	0.0089	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DU-T1-C — Lab Sample ID: 620-22611-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.55	J	5.5	0.41	mg/Kg	1	☼	6010D	Total/NA
Arsenic	1.6		1.6	0.21	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.058	J	0.55	0.027	mg/Kg	1	☼	6010D	Total/NA
Barium	9.9		1.1	0.13	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.14	J	0.55	0.028	mg/Kg	1	☼	6010D	Total/NA
Chromium	7.6		1.1	0.15	mg/Kg	1	☼	6010D	Total/NA
Copper	5.2		1.1	0.26	mg/Kg	1	☼	6010D	Total/NA
Lead	4.6		1.6	0.23	mg/Kg	1	☼	6010D	Total/NA
Nickel	7.3		1.1	0.13	mg/Kg	1	☼	6010D	Total/NA
Zinc	15		3.3	0.85	mg/Kg	1	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-T1-C (Continued) — Lab Sample ID: 620-22611-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.042	J	0.048	0.0080	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SD-5-FD — Lab Sample ID: 620-22611-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.56	J	1.7	0.22	mg/Kg	1	☼	6010D	Total/NA
Barium	3.9		1.1	0.13	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.093	J	0.57	0.030	mg/Kg	1	☼	6010D	Total/NA
Chromium	3.9		1.1	0.15	mg/Kg	1	☼	6010D	Total/NA
Copper	3.3		1.1	0.27	mg/Kg	1	☼	6010D	Total/NA
Lead	1.5	J	1.7	0.24	mg/Kg	1	☼	6010D	Total/NA
Nickel	4.2		1.1	0.13	mg/Kg	1	☼	6010D	Total/NA
Zinc	11		3.4	0.88	mg/Kg	1	☼	6010D	Total/NA

Client Sample ID: SD-3 — Lab Sample ID: 620-22611-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.75	J	3.4	0.26	mg/Kg	1	☼	6010D	Total/NA
Arsenic	3.4		1.0	0.13	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.12	J	0.34	0.017	mg/Kg	1	☼	6010D	Total/NA
Barium	21		0.68	0.080	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.20	J	0.34	0.018	mg/Kg	1	☼	6010D	Total/NA
Chromium	11		0.68	0.090	mg/Kg	1	☼	6010D	Total/NA
Copper	9.8		0.68	0.16	mg/Kg	1	☼	6010D	Total/NA
Lead	3.8		1.0	0.14	mg/Kg	1	☼	6010D	Total/NA
Nickel	15		0.68	0.078	mg/Kg	1	☼	6010D	Total/NA
Zinc	23		2.0	0.53	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.011	J	0.045	0.0075	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DU-G1-A — Lab Sample ID: 620-22611-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor	36	p	5.8	0.71	ug/Kg	1	☼	8081B	Total/NA
Heptachlor epoxide	150	p	140	15	ug/Kg	25	☼	8081B	Total/NA
4,4'-DDT	21	p	9.2	1.5	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	1700	p	140	14	ug/Kg	25	☼	8081B	Total/NA
trans-Chlordane	1500		140	21	ug/Kg	25	☼	8081B	Total/NA
Antimony	0.82	J	5.4	0.41	mg/Kg	1	☼	6010D	Total/NA
Arsenic	44		1.6	0.21	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.058	J	0.54	0.027	mg/Kg	1	☼	6010D	Total/NA
Barium	8.0		1.1	0.13	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.16	J	0.54	0.028	mg/Kg	1	☼	6010D	Total/NA
Chromium	12		1.1	0.14	mg/Kg	1	☼	6010D	Total/NA
Copper	6.3		1.1	0.26	mg/Kg	1	☼	6010D	Total/NA
Lead	120		1.6	0.23	mg/Kg	1	☼	6010D	Total/NA
Nickel	6.8		1.1	0.12	mg/Kg	1	☼	6010D	Total/NA
Zinc	17		3.2	0.84	mg/Kg	1	☼	6010D	Total/NA
Mercury	6.5		0.43	0.072	mg/Kg	10	☼	7471B	Total/NA

Client Sample ID: DU-G1-B — Lab Sample ID: 620-22611-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor	6.3	p	5.6	0.68	ug/Kg	1	☼	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-G1-B (Continued) — Lab Sample ID: 620-22611-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	68	p	5.6	0.58	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	9.2	p	8.9	1.5	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	1000	p	140	14	ug/Kg	25	☼	8081B	Total/NA
trans-Chlordane	850		140	20	ug/Kg	25	☼	8081B	Total/NA
Antimony	0.60	J	5.2	0.39	mg/Kg	1	☼	6010D	Total/NA
Arsenic	12		1.6	0.20	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.060	J	0.52	0.026	mg/Kg	1	☼	6010D	Total/NA
Barium	6.9		1.0	0.12	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.15	J	0.52	0.027	mg/Kg	1	☼	6010D	Total/NA
Chromium	11		1.0	0.14	mg/Kg	1	☼	6010D	Total/NA
Copper	7.8		1.0	0.25	mg/Kg	1	☼	6010D	Total/NA
Lead	35		1.6	0.22	mg/Kg	1	☼	6010D	Total/NA
Nickel	7.3		1.0	0.12	mg/Kg	1	☼	6010D	Total/NA
Zinc	19		3.1	0.81	mg/Kg	1	☼	6010D	Total/NA
Mercury	2.7		0.45	0.075	mg/Kg	10	☼	7471B	Total/NA

Client Sample ID: DU-G1-C — Lab Sample ID: 620-22611-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor	0.88	J p	5.5	0.67	ug/Kg	1	☼	8081B	Total/NA
Heptachlor epoxide	94	J p	140	14	ug/Kg	25	☼	8081B	Total/NA
Endosulfan sulfate	1.7	J p	8.8	0.58	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	8.5	J p	8.8	1.4	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	910	p	140	13	ug/Kg	25	☼	8081B	Total/NA
trans-Chlordane	670		140	20	ug/Kg	25	☼	8081B	Total/NA
Arsenic	18		1.4	0.17	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.044	J	0.46	0.023	mg/Kg	1	☼	6010D	Total/NA
Barium	9.2		0.92	0.11	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.12	J	0.46	0.024	mg/Kg	1	☼	6010D	Total/NA
Chromium	8.3		0.92	0.12	mg/Kg	1	☼	6010D	Total/NA
Copper	4.6		0.92	0.22	mg/Kg	1	☼	6010D	Total/NA
Lead	52		1.4	0.19	mg/Kg	1	☼	6010D	Total/NA
Nickel	5.4		0.92	0.11	mg/Kg	1	☼	6010D	Total/NA
Zinc	15		2.7	0.71	mg/Kg	1	☼	6010D	Total/NA
Mercury	4.2		0.46	0.077	mg/Kg	10	☼	7471B	Total/NA

Client Sample ID: SD-1 — Lab Sample ID: 620-22611-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.0		1.7	0.22	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.056	J	0.57	0.028	mg/Kg	1	☼	6010D	Total/NA
Barium	9.4		1.1	0.13	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.13	J	0.57	0.029	mg/Kg	1	☼	6010D	Total/NA
Chromium	4.4		1.1	0.15	mg/Kg	1	☼	6010D	Total/NA
Copper	2.9		1.1	0.27	mg/Kg	1	☼	6010D	Total/NA
Lead	3.6		1.7	0.24	mg/Kg	1	☼	6010D	Total/NA
Nickel	6.8		1.1	0.13	mg/Kg	1	☼	6010D	Total/NA
Zinc	13		3.4	0.88	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.032	J	0.045	0.0075	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: SD-2 — Lab Sample ID: 620-22611-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.87	J	4.7	0.35	mg/Kg	1	☼	6010D	Total/NA
Arsenic	2.0		1.4	0.18	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.069	J	0.47	0.023	mg/Kg	1	☼	6010D	Total/NA
Barium	19		0.94	0.11	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.27	J	0.47	0.024	mg/Kg	1	☼	6010D	Total/NA
Chromium	11		0.94	0.12	mg/Kg	1	☼	6010D	Total/NA
Copper	14		0.94	0.22	mg/Kg	1	☼	6010D	Total/NA
Lead	32		1.4	0.20	mg/Kg	1	☼	6010D	Total/NA
Nickel	11		0.94	0.11	mg/Kg	1	☼	6010D	Total/NA
Zinc	48		2.8	0.72	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.36		0.049	0.0082	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DU-F1-A — Lab Sample ID: 620-22611-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	1.2	J	5.5	0.57	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	6.2	p	5.5	0.54	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	1.0	J p	5.5	0.80	ug/Kg	1	☼	8081B	Total/NA
Arsenic	2.0		1.5	0.19	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.082	J	0.51	0.025	mg/Kg	1	☼	6010D	Total/NA
Barium	11		1.0	0.12	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.17	J	0.51	0.026	mg/Kg	1	☼	6010D	Total/NA
Chromium	6.2		1.0	0.13	mg/Kg	1	☼	6010D	Total/NA
Copper	5.5		1.0	0.24	mg/Kg	1	☼	6010D	Total/NA
Lead	5.1		1.5	0.21	mg/Kg	1	☼	6010D	Total/NA
Nickel	7.2		1.0	0.12	mg/Kg	1	☼	6010D	Total/NA
Zinc	18		3.0	0.78	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.065		0.046	0.0077	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DU-F1-B — Lab Sample ID: 620-22611-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	2.3	J	5.1	0.53	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	1.5	J p	8.2	1.3	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	6.5	p	5.1	0.50	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	1.8	J p	5.1	0.74	ug/Kg	1	☼	8081B	Total/NA
Arsenic	1.7		1.6	0.20	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.074	J	0.52	0.026	mg/Kg	1	☼	6010D	Total/NA
Barium	9.7		1.0	0.12	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.14	J	0.52	0.027	mg/Kg	1	☼	6010D	Total/NA
Chromium	5.8		1.0	0.14	mg/Kg	1	☼	6010D	Total/NA
Copper	4.4		1.0	0.25	mg/Kg	1	☼	6010D	Total/NA
Lead	3.8		1.6	0.22	mg/Kg	1	☼	6010D	Total/NA
Nickel	6.1		1.0	0.12	mg/Kg	1	☼	6010D	Total/NA
Zinc	15		3.1	0.81	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.057		0.050	0.0084	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DU-F1-C — Lab Sample ID: 620-22611-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	2.0	J	5.6	0.58	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	1.5	J p	9.0	1.5	ug/Kg	1	☼	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-F1-C (Continued) — Lab Sample ID: 620-22611-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-Chlordane	4.3	J p	5.6	0.55	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	1.7	J p	5.6	0.81	ug/Kg	1	☼	8081B	Total/NA
Antimony	0.62	J	5.6	0.42	mg/Kg	1	☼	6010D	Total/NA
Arsenic	1.7		1.7	0.21	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.085	J	0.56	0.028	mg/Kg	1	☼	6010D	Total/NA
Barium	9.4		1.1	0.13	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.17	J	0.56	0.029	mg/Kg	1	☼	6010D	Total/NA
Chromium	7.2		1.1	0.15	mg/Kg	1	☼	6010D	Total/NA
Copper	8.2		1.1	0.27	mg/Kg	1	☼	6010D	Total/NA
Lead	5.3		1.7	0.24	mg/Kg	1	☼	6010D	Total/NA
Nickel	7.5		1.1	0.13	mg/Kg	1	☼	6010D	Total/NA
Zinc	19		3.3	0.86	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.090		0.049	0.0081	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DU-T2-A — Lab Sample ID: 620-22611-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Endrin aldehyde	0.00016	J p	0.00086	0.00010	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	0.000072	J p	0.00054	0.000053	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	0.00011	J p	0.00054	0.000078	ug/Kg	1	☼	8081B	Total/NA
Antimony	0.49	J	4.7	0.35	mg/Kg	1	☼	6010D	Total/NA
Arsenic	2.3		1.4	0.18	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.089	J	0.47	0.023	mg/Kg	1	☼	6010D	Total/NA
Barium	8.6		0.94	0.11	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.18	J	0.47	0.024	mg/Kg	1	☼	6010D	Total/NA
Chromium	7.9		0.94	0.12	mg/Kg	1	☼	6010D	Total/NA
Copper	9.0		0.94	0.22	mg/Kg	1	☼	6010D	Total/NA
Lead	4.5		1.4	0.20	mg/Kg	1	☼	6010D	Total/NA
Nickel	10		0.94	0.11	mg/Kg	1	☼	6010D	Total/NA
Zinc	23		2.8	0.72	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.050	J	0.052	0.0087	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DU-T2-B — Lab Sample ID: 620-22611-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.6	J	1.8	0.23	mg/Kg	1	☼	6010D	Total/NA
Beryllium	0.094	J	0.61	0.031	mg/Kg	1	☼	6010D	Total/NA
Barium	9.9		1.2	0.14	mg/Kg	1	☼	6010D	Total/NA
Cadmium	0.18	J	0.61	0.032	mg/Kg	1	☼	6010D	Total/NA
Chromium	7.9		1.2	0.16	mg/Kg	1	☼	6010D	Total/NA
Copper	6.5		1.2	0.29	mg/Kg	1	☼	6010D	Total/NA
Lead	4.5		1.8	0.26	mg/Kg	1	☼	6010D	Total/NA
Nickel	8.6		1.2	0.14	mg/Kg	1	☼	6010D	Total/NA
Zinc	17		3.7	0.94	mg/Kg	1	☼	6010D	Total/NA
Mercury	0.037	J	0.056	0.0094	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DU-T2-C — Lab Sample ID: 620-22611-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Endrin aldehyde	1.8	J p	9.4	1.1	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	1.3	J p	5.9	0.85	ug/Kg	1	☼	8081B	Total/NA
Arsenic	4.3		3.3	0.41	mg/Kg	2	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-T2-C (Continued) — Lab Sample ID: 620-22611-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.16	J	1.1	0.055	mg/Kg	2	☼	6010D	Total/NA
Barium	13		2.2	0.26	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.29	J	1.1	0.056	mg/Kg	2	☼	6010D	Total/NA
Chromium	16		2.2	0.29	mg/Kg	2	☼	6010D	Total/NA
Copper	18		2.2	0.52	mg/Kg	2	☼	6010D	Total/NA
Lead	7.5		3.3	0.46	mg/Kg	2	☼	6010D	Total/NA
Nickel	15		2.2	0.25	mg/Kg	2	☼	6010D	Total/NA
Zinc	34		6.5	1.7	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.040	J	0.051	0.0085	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DU-G2-A — Lab Sample ID: 620-22611-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	41		5.1	0.53	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	5.4	J p	8.2	1.3	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	270	p	26	2.5	ug/Kg	5	☼	8081B	Total/NA
trans-Chlordane	170		26	3.7	ug/Kg	5	☼	8081B	Total/NA
Antimony	0.92	J	9.6	0.72	mg/Kg	2	☼	6010D	Total/NA
Arsenic	34		2.9	0.36	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.14	J	0.96	0.048	mg/Kg	2	☼	6010D	Total/NA
Barium	11		1.9	0.23	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.35	J	0.96	0.050	mg/Kg	2	☼	6010D	Total/NA
Chromium	22		1.9	0.25	mg/Kg	2	☼	6010D	Total/NA
Copper	17		1.9	0.46	mg/Kg	2	☼	6010D	Total/NA
Lead	110		2.9	0.41	mg/Kg	2	☼	6010D	Total/NA
Nickel	15		1.9	0.22	mg/Kg	2	☼	6010D	Total/NA
Zinc	36		5.7	1.5	mg/Kg	2	☼	6010D	Total/NA
Mercury	6.5		0.43	0.072	mg/Kg	10	☼	7471B	Total/NA

Client Sample ID: DU-G2-B — Lab Sample ID: 620-22611-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	36		4.9	0.51	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	4.1	J p	7.8	1.3	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	320	p	24	2.4	ug/Kg	5	☼	8081B	Total/NA
trans-Chlordane	210		24	3.5	ug/Kg	5	☼	8081B	Total/NA
Arsenic	23		2.7	0.34	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.14	J	0.90	0.045	mg/Kg	2	☼	6010D	Total/NA
Barium	11		1.8	0.21	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.36	J	0.90	0.047	mg/Kg	2	☼	6010D	Total/NA
Chromium	25		1.8	0.24	mg/Kg	2	☼	6010D	Total/NA
Copper	17		1.8	0.43	mg/Kg	2	☼	6010D	Total/NA
Lead	87		2.7	0.38	mg/Kg	2	☼	6010D	Total/NA
Nickel	17		1.8	0.21	mg/Kg	2	☼	6010D	Total/NA
Zinc	37		5.4	1.4	mg/Kg	2	☼	6010D	Total/NA
Mercury	7.1		0.50	0.084	mg/Kg	10	☼	7471B	Total/NA

Client Sample ID: DU-G2-C — Lab Sample ID: 620-22611-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	41		5.5	0.57	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	5.9	J p	8.8	1.4	ug/Kg	1	☼	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-G2-C (Continued) — Lab Sample ID: 620-22611-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-Chlordane	360	p	27	2.7	ug/Kg	5	☼	8081B	Total/NA
trans-Chlordane	220		27	3.9	ug/Kg	5	☼	8081B	Total/NA
Antimony	0.79	J	8.5	0.64	mg/Kg	2	☼	6010D	Total/NA
Arsenic	14		2.6	0.32	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.11	J	0.85	0.043	mg/Kg	2	☼	6010D	Total/NA
Barium	8.1		1.7	0.20	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.27	J	0.85	0.044	mg/Kg	2	☼	6010D	Total/NA
Chromium	15		1.7	0.23	mg/Kg	2	☼	6010D	Total/NA
Copper	13		1.7	0.41	mg/Kg	2	☼	6010D	Total/NA
Lead	74		2.6	0.36	mg/Kg	2	☼	6010D	Total/NA
Nickel	11		1.7	0.20	mg/Kg	2	☼	6010D	Total/NA
Zinc	30		5.1	1.3	mg/Kg	2	☼	6010D	Total/NA
Mercury	4.2		0.47	0.077	mg/Kg	10	☼	7471B	Total/NA

Client Sample ID: DU-F2-A — Lab Sample ID: 620-22611-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-Chlordane	0.75	J p	5.3	0.52	ug/Kg	1	☼	8081B	Total/NA
Arsenic	5.1		4.6	0.59	mg/Kg	4	☼	6010D	Total/NA
Beryllium	0.31	J	1.5	0.078	mg/Kg	4	☼	6010D	Total/NA
Barium	30		3.1	0.36	mg/Kg	4	☼	6010D	Total/NA
Cadmium	0.44	J	1.5	0.080	mg/Kg	4	☼	6010D	Total/NA
Chromium	20		3.1	0.41	mg/Kg	4	☼	6010D	Total/NA
Copper	23		3.1	0.74	mg/Kg	4	☼	6010D	Total/NA
Lead	13		4.6	0.66	mg/Kg	4	☼	6010D	Total/NA
Nickel	24		3.1	0.36	mg/Kg	4	☼	6010D	Total/NA
Zinc	54		9.3	2.4	mg/Kg	4	☼	6010D	Total/NA
Mercury	0.047		0.043	0.0072	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DU-F2-B — Lab Sample ID: 620-22611-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	1.6	J p	8.3	1.4	ug/Kg	1	☼	8081B	Total/NA
Arsenic	2.0	J	4.5	0.57	mg/Kg	4	☼	6010D	Total/NA
Beryllium	0.25	J	1.5	0.075	mg/Kg	4	☼	6010D	Total/NA
Barium	20		3.0	0.35	mg/Kg	4	☼	6010D	Total/NA
Cadmium	0.33	J	1.5	0.077	mg/Kg	4	☼	6010D	Total/NA
Chromium	20		3.0	0.40	mg/Kg	4	☼	6010D	Total/NA
Copper	19		3.0	0.72	mg/Kg	4	☼	6010D	Total/NA
Lead	10		4.5	0.63	mg/Kg	4	☼	6010D	Total/NA
Nickel	22		3.0	0.34	mg/Kg	4	☼	6010D	Total/NA
Zinc	43		9.0	2.3	mg/Kg	4	☼	6010D	Total/NA
Mercury	0.043	J	0.048	0.0080	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DU-F2-C — Lab Sample ID: 620-22611-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-Chlordane	0.57	J p	5.1	0.50	ug/Kg	1	☼	8081B	Total/NA
Arsenic	3.7	J	4.5	0.57	mg/Kg	4	☼	6010D	Total/NA
Beryllium	0.26	J	1.5	0.075	mg/Kg	4	☼	6010D	Total/NA
Barium	24		3.0	0.35	mg/Kg	4	☼	6010D	Total/NA
Cadmium	0.36	J	1.5	0.078	mg/Kg	4	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-F2-C (Continued) — Lab Sample ID: 620-22611-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	19		3.0	0.40	mg/Kg	4	☼	6010D	Total/NA
Copper	21		3.0	0.72	mg/Kg	4	☼	6010D	Total/NA
Lead	12		4.5	0.64	mg/Kg	4	☼	6010D	Total/NA
Nickel	21		3.0	0.34	mg/Kg	4	☼	6010D	Total/NA
Zinc	57		9.0	2.3	mg/Kg	4	☼	6010D	Total/NA
Mercury	0.036	J	0.043	0.0071	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DU-T3-A — Lab Sample ID: 620-22611-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	9.6		5.6	0.62	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	3.4	J p	9.0	1.5	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	11	p	5.6	0.55	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	15		5.6	0.81	ug/Kg	1	☼	8081B	Total/NA
Arsenic	7.1		5.4	0.69	mg/Kg	4	☼	6010D	Total/NA
Beryllium	0.26	J	1.8	0.091	mg/Kg	4	☼	6010D	Total/NA
Barium	20		3.6	0.43	mg/Kg	4	☼	6010D	Total/NA
Cadmium	0.39	J	1.8	0.094	mg/Kg	4	☼	6010D	Total/NA
Chromium	21		3.6	0.48	mg/Kg	4	☼	6010D	Total/NA
Copper	25		3.6	0.87	mg/Kg	4	☼	6010D	Total/NA
Lead	18		5.4	0.77	mg/Kg	4	☼	6010D	Total/NA
Nickel	26		3.6	0.42	mg/Kg	4	☼	6010D	Total/NA
Zinc	51		11	2.8	mg/Kg	4	☼	6010D	Total/NA
Mercury	0.045	J	0.051	0.0084	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DU-T3-B — Lab Sample ID: 620-22611-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	2.0	J p	5.5	0.57	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	7.5	J	8.8	1.4	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	28	p	5.5	0.54	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	26		5.5	0.79	ug/Kg	1	☼	8081B	Total/NA
Arsenic	3.9	J	5.2	0.66	mg/Kg	4	☼	6010D	Total/NA
Beryllium	0.22	J	1.7	0.087	mg/Kg	4	☼	6010D	Total/NA
Barium	14		3.5	0.41	mg/Kg	4	☼	6010D	Total/NA
Cadmium	0.33	J	1.7	0.090	mg/Kg	4	☼	6010D	Total/NA
Chromium	19		3.5	0.46	mg/Kg	4	☼	6010D	Total/NA
Copper	23		3.5	0.83	mg/Kg	4	☼	6010D	Total/NA
Lead	12		5.2	0.73	mg/Kg	4	☼	6010D	Total/NA
Nickel	21		3.5	0.40	mg/Kg	4	☼	6010D	Total/NA
Zinc	41		10	2.7	mg/Kg	4	☼	6010D	Total/NA
Mercury	0.042	J	0.057	0.0096	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DU-T3-C — Lab Sample ID: 620-22611-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	3.5	J p	9.1	1.5	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	1.8	J p	5.7	0.56	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	2.3	J p	5.7	0.82	ug/Kg	1	☼	8081B	Total/NA
Arsenic	4.8		2.9	0.36	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.17	J	0.95	0.048	mg/Kg	2	☼	6010D	Total/NA
Barium	13		1.9	0.22	mg/Kg	2	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-T3-C (Continued) — Lab Sample ID: 620-22611-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.26	J	0.95	0.049	mg/Kg	2	☼	6010D	Total/NA
Chromium	17		1.9	0.25	mg/Kg	2	☼	6010D	Total/NA
Copper	17		1.9	0.46	mg/Kg	2	☼	6010D	Total/NA
Lead	11		2.9	0.40	mg/Kg	2	☼	6010D	Total/NA
Nickel	16		1.9	0.22	mg/Kg	2	☼	6010D	Total/NA
Zinc	31		5.7	1.5	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.045	J	0.052	0.0087	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DU-G3-A — Lab Sample ID: 620-22611-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	84		54	5.6	ug/Kg	10	☼	8081B	Total/NA
4,4'-DDT	30		8.6	1.4	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	590	p	54	5.3	ug/Kg	10	☼	8081B	Total/NA
trans-Chlordane	410		54	7.8	ug/Kg	10	☼	8081B	Total/NA
Antimony	0.90	J	9.7	0.73	mg/Kg	2	☼	6010D	Total/NA
Arsenic	73		2.9	0.37	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.16	J	0.97	0.049	mg/Kg	2	☼	6010D	Total/NA
Barium	15		1.9	0.23	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.38	J	0.97	0.050	mg/Kg	2	☼	6010D	Total/NA
Chromium	51		1.9	0.26	mg/Kg	2	☼	6010D	Total/NA
Copper	18		1.9	0.47	mg/Kg	2	☼	6010D	Total/NA
Lead	240		2.9	0.41	mg/Kg	2	☼	6010D	Total/NA
Nickel	15		1.9	0.22	mg/Kg	2	☼	6010D	Total/NA
Zinc	45		5.8	1.5	mg/Kg	2	☼	6010D	Total/NA
Mercury	6.2		0.45	0.075	mg/Kg	10	☼	7471B	Total/NA

Client Sample ID: DU-G3-B — Lab Sample ID: 620-22611-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	70		55	5.8	ug/Kg	10	☼	8081B	Total/NA
4,4'-DDT	51		8.9	1.5	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	590	p	55	5.4	ug/Kg	10	☼	8081B	Total/NA
trans-Chlordane	430		55	8.0	ug/Kg	10	☼	8081B	Total/NA
Antimony	0.69	J	7.5	0.56	mg/Kg	2	☼	6010D	Total/NA
Arsenic	32		2.3	0.29	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.13	J	0.75	0.038	mg/Kg	2	☼	6010D	Total/NA
Barium	12		1.5	0.18	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.42	J	0.75	0.039	mg/Kg	2	☼	6010D	Total/NA
Chromium	32		1.5	0.20	mg/Kg	2	☼	6010D	Total/NA
Copper	16		1.5	0.36	mg/Kg	2	☼	6010D	Total/NA
Lead	190		2.3	0.32	mg/Kg	2	☼	6010D	Total/NA
Nickel	13		1.5	0.17	mg/Kg	2	☼	6010D	Total/NA
Zinc	40		4.5	1.2	mg/Kg	2	☼	6010D	Total/NA
Mercury	5.1		0.48	0.081	mg/Kg	10	☼	7471B	Total/NA

Client Sample ID: DU-G3-C — Lab Sample ID: 620-22611-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	92	J	100	11	ug/Kg	20	☼	8081B	Total/NA
4,4'-DDT	32		8.2	1.3	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	700	p	100	10	ug/Kg	20	☼	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-G3-C (Continued) — Lab Sample ID: 620-22611-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-Chlordane	450		100	15	ug/Kg	20	☼	8081B	Total/NA
Arsenic	20		2.8	0.36	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.12	J	0.93	0.047	mg/Kg	2	☼	6010D	Total/NA
Barium	9.8		1.9	0.22	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.36	J	0.93	0.048	mg/Kg	2	☼	6010D	Total/NA
Chromium	19		1.9	0.25	mg/Kg	2	☼	6010D	Total/NA
Copper	15		1.9	0.45	mg/Kg	2	☼	6010D	Total/NA
Lead	82		2.8	0.40	mg/Kg	2	☼	6010D	Total/NA
Nickel	11		1.9	0.21	mg/Kg	2	☼	6010D	Total/NA
Zinc	37		5.6	1.4	mg/Kg	2	☼	6010D	Total/NA
Mercury	5.1		0.48	0.080	mg/Kg	10	☼	7471B	Total/NA

Client Sample ID: DU-F3-A — Lab Sample ID: 620-22611-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	1.2	J p	7.4	1.2	ug/Kg	1	☼	8081B	Total/NA
Endrin aldehyde	0.88	J p	7.4	0.86	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	0.75	J p	4.6	0.45	ug/Kg	1	☼	8081B	Total/NA
Arsenic	2.4	J	4.9	0.62	mg/Kg	4	☼	6010D	Total/NA
Beryllium	0.20	J	1.6	0.082	mg/Kg	4	☼	6010D	Total/NA
Barium	15		3.3	0.39	mg/Kg	4	☼	6010D	Total/NA
Cadmium	0.30	J	1.6	0.085	mg/Kg	4	☼	6010D	Total/NA
Chromium	15		3.3	0.44	mg/Kg	4	☼	6010D	Total/NA
Copper	18		3.3	0.79	mg/Kg	4	☼	6010D	Total/NA
Lead	11		4.9	0.70	mg/Kg	4	☼	6010D	Total/NA
Nickel	18		3.3	0.38	mg/Kg	4	☼	6010D	Total/NA
Zinc	36		9.8	2.5	mg/Kg	4	☼	6010D	Total/NA
Mercury	0.046		0.043	0.0071	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DU-F3-B — Lab Sample ID: 620-22611-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	0.68	J p	5.4	0.56	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	2.8	J p	8.6	1.4	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	1.5	J p	5.4	0.53	ug/Kg	1	☼	8081B	Total/NA
Arsenic	4.3	J	4.9	0.62	mg/Kg	4	☼	6010D	Total/NA
Beryllium	0.25	J	1.6	0.082	mg/Kg	4	☼	6010D	Total/NA
Barium	19		3.3	0.39	mg/Kg	4	☼	6010D	Total/NA
Cadmium	0.35	J	1.6	0.085	mg/Kg	4	☼	6010D	Total/NA
Chromium	17		3.3	0.43	mg/Kg	4	☼	6010D	Total/NA
Copper	22		3.3	0.78	mg/Kg	4	☼	6010D	Total/NA
Lead	16		4.9	0.69	mg/Kg	4	☼	6010D	Total/NA
Nickel	23		3.3	0.38	mg/Kg	4	☼	6010D	Total/NA
Zinc	44		9.8	2.5	mg/Kg	4	☼	6010D	Total/NA
Mercury	0.053		0.046	0.0076	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DU-F3-C — Lab Sample ID: 620-22611-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1.7	J	23	1.7	mg/Kg	5	☼	6010D	Total/NA
Arsenic	4.8	J	6.8	0.86	mg/Kg	5	☼	6010D	Total/NA
Beryllium	0.24	J	2.3	0.11	mg/Kg	5	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-F3-C (Continued)

Lab Sample ID: 620-22611-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	17		4.5	0.53	mg/Kg	5	☼	6010D	Total/NA
Cadmium	0.34	J	2.3	0.12	mg/Kg	5	☼	6010D	Total/NA
Chromium	17		4.5	0.60	mg/Kg	5	☼	6010D	Total/NA
Copper	20		4.5	1.1	mg/Kg	5	☼	6010D	Total/NA
Lead	16		6.8	0.95	mg/Kg	5	☼	6010D	Total/NA
Nickel	21		4.5	0.52	mg/Kg	5	☼	6010D	Total/NA
Zinc	42		14	3.5	mg/Kg	5	☼	6010D	Total/NA
Mercury	0.048	J	0.051	0.0085	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: SD-4
Date Collected: 11/19/24 09:44
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-1
Matrix: Solid
Percent Solids: 79.4

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		6.1	0.59	ug/Kg	☼	12/02/24 16:37	12/04/24 15:50	1
beta-BHC	ND		6.1	0.79	ug/Kg	☼	12/02/24 16:37	12/04/24 15:50	1
delta-BHC	ND		6.1	1.0	ug/Kg	☼	12/02/24 16:37	12/04/24 15:50	1
gamma-BHC (Lindane)	ND		2.4	0.55	ug/Kg	☼	12/02/24 16:37	12/04/24 15:50	1
Heptachlor	ND		6.1	0.74	ug/Kg	☼	12/02/24 16:37	12/04/24 15:50	1
Aldrin	ND		6.1	0.57	ug/Kg	☼	12/02/24 16:37	12/04/24 15:50	1
Heptachlor epoxide	ND		6.1	0.63	ug/Kg	☼	12/02/24 16:37	12/04/24 15:50	1
Endosulfan I	ND		6.1	0.63	ug/Kg	☼	12/02/24 16:37	12/04/24 15:50	1
Dieldrin	ND		6.1	0.67	ug/Kg	☼	12/02/24 16:37	12/04/24 15:50	1
4,4'-DDE	ND		9.8	0.81	ug/Kg	☼	12/02/24 16:37	12/04/24 15:50	1
Endrin	ND		9.8	0.87	ug/Kg	☼	12/02/24 16:37	12/04/24 15:50	1
Endosulfan II	ND		9.8	0.63	ug/Kg	☼	12/02/24 16:37	12/04/24 15:50	1
4,4'-DDD	ND		9.8	1.4	ug/Kg	☼	12/02/24 16:37	12/04/24 15:50	1
Endosulfan sulfate	ND		9.8	0.65	ug/Kg	☼	12/02/24 16:37	12/04/24 15:50	1
4,4'-DDT	ND		9.8	1.6	ug/Kg	☼	12/02/24 16:37	12/04/24 15:50	1
Methoxychlor	ND		9.8	1.9	ug/Kg	☼	12/02/24 16:37	12/04/24 15:50	1
Endrin ketone	ND		9.8	0.68	ug/Kg	☼	12/02/24 16:37	12/04/24 15:50	1
Endrin aldehyde	ND		9.8	1.1	ug/Kg	☼	12/02/24 16:37	12/04/24 15:50	1
cis-Chlordane	ND		6.1	0.60	ug/Kg	☼	12/02/24 16:37	12/04/24 15:50	1
trans-Chlordane	ND		6.1	0.88	ug/Kg	☼	12/02/24 16:37	12/04/24 15:50	1
Toxaphene	ND		120	86	ug/Kg	☼	12/02/24 16:37	12/04/24 15:50	1
Alachlor	ND		6.1	1.8	ug/Kg	☼	12/02/24 16:37	12/04/24 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*63*		*30 - 150*	*12/02/24 16:37*	*12/04/24 15:50*	*1*
Tetrachloro-m-xylene	*59*		*30 - 150*	*12/02/24 16:37*	*12/04/24 15:50*	*1*
DCB Decachlorobiphenyl (Surr)	*58*		*30 - 150*	*12/02/24 16:37*	*12/04/24 15:50*	*1*
DCB Decachlorobiphenyl (Surr)	*53*		*30 - 150*	*12/02/24 16:37*	*12/04/24 15:50*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		12	0.87	mg/Kg	☼	12/02/24 12:02	12/03/24 16:05	2
Arsenic	**2.3**	**J**	3.5	0.44	mg/Kg	☼	12/02/24 12:02	12/03/24 16:05	2
Beryllium	ND		1.2	0.058	mg/Kg	☼	12/02/24 12:02	12/03/24 16:05	2
Barium	**4.0**		2.3	0.27	mg/Kg	☼	12/02/24 12:02	12/03/24 16:05	2
Cadmium	**0.24**	**J**	1.2	0.060	mg/Kg	☼	12/02/24 12:02	12/03/24 16:05	2
Chromium	**9.6**		2.3	0.31	mg/Kg	☼	12/02/24 12:02	12/03/24 16:05	2
Copper	**12**		2.3	0.56	mg/Kg	☼	12/02/24 12:02	12/03/24 16:05	2
Lead	**4.2**		3.5	0.49	mg/Kg	☼	12/02/24 12:02	12/03/24 16:05	2
Nickel	**9.5**		2.3	0.27	mg/Kg	☼	12/02/24 12:02	12/03/24 16:05	2
Selenium	ND		3.5	0.66	mg/Kg	☼	12/02/24 12:02	12/03/24 16:05	2
Silver	ND		3.5	0.38	mg/Kg	☼	12/02/24 12:02	12/03/24 16:05	2
Thallium	ND		7.0	2.6	mg/Kg	☼	12/02/24 12:02	12/03/24 16:05	2
Zinc	**24**		7.0	1.8	mg/Kg	☼	12/02/24 12:02	12/03/24 16:05	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.011**	**J**	0.048	0.0079	mg/Kg	☼	12/02/24 08:49	12/02/24 13:55	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-T1-A
Date Collected: 11/19/24 10:39
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-2
Matrix: Solid
Percent Solids: 85.8

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.7	0.55	ug/Kg	☼	12/02/24 16:37	12/04/24 16:11	1
beta-BHC	ND		5.7	0.74	ug/Kg	☼	12/02/24 16:37	12/04/24 16:11	1
delta-BHC	ND		5.7	0.95	ug/Kg	☼	12/02/24 16:37	12/04/24 16:11	1
gamma-BHC (Lindane)	ND		2.3	0.51	ug/Kg	☼	12/02/24 16:37	12/04/24 16:11	1
Heptachlor	ND		5.7	0.70	ug/Kg	☼	12/02/24 16:37	12/04/24 16:11	1
Aldrin	ND		5.7	0.54	ug/Kg	☼	12/02/24 16:37	12/04/24 16:11	1
Heptachlor epoxide	ND		5.7	0.59	ug/Kg	☼	12/02/24 16:37	12/04/24 16:11	1
Endosulfan I	ND		5.7	0.59	ug/Kg	☼	12/02/24 16:37	12/04/24 16:11	1
Dieldrin	ND		5.7	0.63	ug/Kg	☼	12/02/24 16:37	12/04/24 16:11	1
4,4'-DDE	ND		9.1	0.75	ug/Kg	☼	12/02/24 16:37	12/04/24 16:11	1
Endrin	ND		9.1	0.81	ug/Kg	☼	12/02/24 16:37	12/04/24 16:11	1
Endosulfan II	ND		9.1	0.59	ug/Kg	☼	12/02/24 16:37	12/04/24 16:11	1
4,4'-DDD	ND		9.1	1.3	ug/Kg	☼	12/02/24 16:37	12/04/24 16:11	1
Endosulfan sulfate	ND		9.1	0.60	ug/Kg	☼	12/02/24 16:37	12/04/24 16:11	1
4,4'-DDT	ND		9.1	1.5	ug/Kg	☼	12/02/24 16:37	12/04/24 16:11	1
Methoxychlor	ND		9.1	1.7	ug/Kg	☼	12/02/24 16:37	12/04/24 16:11	1
Endrin ketone	ND		9.1	0.64	ug/Kg	☼	12/02/24 16:37	12/04/24 16:11	1
Endrin aldehyde	ND		9.1	1.1	ug/Kg	☼	12/02/24 16:37	12/04/24 16:11	1
cis-Chlordane	ND		5.7	0.56	ug/Kg	☼	12/02/24 16:37	12/04/24 16:11	1
trans-Chlordane	ND		5.7	0.82	ug/Kg	☼	12/02/24 16:37	12/04/24 16:11	1
Toxaphene	ND		110	80	ug/Kg	☼	12/02/24 16:37	12/04/24 16:11	1
Alachlor	ND		5.7	1.6	ug/Kg	☼	12/02/24 16:37	12/04/24 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*30 - 150*	*12/02/24 16:37*	*12/04/24 16:11*	*1*
Tetrachloro-m-xylene	*84*		*30 - 150*	*12/02/24 16:37*	*12/04/24 16:11*	*1*
DCB Decachlorobiphenyl (Surr)	*108*		*30 - 150*	*12/02/24 16:37*	*12/04/24 16:11*	*1*
DCB Decachlorobiphenyl (Surr)	*64*	*p*	*30 - 150*	*12/02/24 16:37*	*12/04/24 16:11*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.0**	**J**	11	0.86	mg/Kg	☼	12/02/24 12:02	12/03/24 16:11	2
Arsenic	**3.5**		3.4	0.43	mg/Kg	☼	12/02/24 12:02	12/03/24 16:11	2
Beryllium	**0.10**	**J**	1.1	0.057	mg/Kg	☼	12/02/24 12:02	12/03/24 16:11	2
Barium	**17**		2.3	0.27	mg/Kg	☼	12/02/24 12:02	12/03/24 16:11	2
Cadmium	**0.28**	**J**	1.1	0.059	mg/Kg	☼	12/02/24 12:02	12/03/24 16:11	2
Chromium	**15**		2.3	0.30	mg/Kg	☼	12/02/24 12:02	12/03/24 16:11	2
Copper	**12**		2.3	0.55	mg/Kg	☼	12/02/24 12:02	12/03/24 16:11	2
Lead	**7.9**		3.4	0.48	mg/Kg	☼	12/02/24 12:02	12/03/24 16:11	2
Nickel	**19**		2.3	0.26	mg/Kg	☼	12/02/24 12:02	12/03/24 16:11	2
Selenium	ND		3.4	0.65	mg/Kg	☼	12/02/24 12:02	12/03/24 16:11	2
Silver	ND		3.4	0.37	mg/Kg	☼	12/02/24 12:02	12/03/24 16:11	2
Thallium	ND		6.9	2.5	mg/Kg	☼	12/02/24 12:02	12/03/24 16:11	2
Zinc	**34**		6.9	1.8	mg/Kg	☼	12/02/24 12:02	12/03/24 16:11	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.029**	**J**	0.048	0.0080	mg/Kg	☼	12/02/24 08:49	12/02/24 13:58	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-T1-B
Date Collected: 11/19/24 10:40
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-3
Matrix: Solid
Percent Solids: 85.1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.6	0.54	ug/Kg	☼	12/02/24 16:37	12/04/24 16:27	1
beta-BHC	ND		5.6	0.73	ug/Kg	☼	12/02/24 16:37	12/04/24 16:27	1
delta-BHC	ND		5.6	0.94	ug/Kg	☼	12/02/24 16:37	12/04/24 16:27	1
gamma-BHC (Lindane)	ND		2.3	0.51	ug/Kg	☼	12/02/24 16:37	12/04/24 16:27	1
Heptachlor	ND		5.6	0.69	ug/Kg	☼	12/02/24 16:37	12/04/24 16:27	1
Aldrin	ND		5.6	0.53	ug/Kg	☼	12/02/24 16:37	12/04/24 16:27	1
Heptachlor epoxide	ND		5.6	0.59	ug/Kg	☼	12/02/24 16:37	12/04/24 16:27	1
Endosulfan I	ND		5.6	0.59	ug/Kg	☼	12/02/24 16:37	12/04/24 16:27	1
Dieldrin	ND		5.6	0.62	ug/Kg	☼	12/02/24 16:37	12/04/24 16:27	1
4,4'-DDE	ND		9.0	0.74	ug/Kg	☼	12/02/24 16:37	12/04/24 16:27	1
Endrin	ND		9.0	0.80	ug/Kg	☼	12/02/24 16:37	12/04/24 16:27	1
Endosulfan II	ND		9.0	0.59	ug/Kg	☼	12/02/24 16:37	12/04/24 16:27	1
4,4'-DDD	ND		9.0	1.3	ug/Kg	☼	12/02/24 16:37	12/04/24 16:27	1
Endosulfan sulfate	ND		9.0	0.60	ug/Kg	☼	12/02/24 16:37	12/04/24 16:27	1
4,4'-DDT	ND		9.0	1.5	ug/Kg	☼	12/02/24 16:37	12/04/24 16:27	1
Methoxychlor	ND		9.0	1.7	ug/Kg	☼	12/02/24 16:37	12/04/24 16:27	1
Endrin ketone	ND		9.0	0.63	ug/Kg	☼	12/02/24 16:37	12/04/24 16:27	1
Endrin aldehyde	ND		9.0	1.0	ug/Kg	☼	12/02/24 16:37	12/04/24 16:27	1
cis-Chlordane	ND		5.6	0.55	ug/Kg	☼	12/02/24 16:37	12/04/24 16:27	1
trans-Chlordane	ND		5.6	0.81	ug/Kg	☼	12/02/24 16:37	12/04/24 16:27	1
Toxaphene	ND		110	79	ug/Kg	☼	12/02/24 16:37	12/04/24 16:27	1
Alachlor	ND		5.6	1.6	ug/Kg	☼	12/02/24 16:37	12/04/24 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*30 - 150*	*12/02/24 16:37*	*12/04/24 16:27*	*1*
Tetrachloro-m-xylene	*84*		*30 - 150*	*12/02/24 16:37*	*12/04/24 16:27*	*1*
DCB Decachlorobiphenyl (Surr)	*96*		*30 - 150*	*12/02/24 16:37*	*12/04/24 16:27*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*30 - 150*	*12/02/24 16:37*	*12/04/24 16:27*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.8	0.74	mg/Kg	☼	12/02/24 12:02	12/03/24 16:17	2
Arsenic	**2.6**	**J**	2.9	0.37	mg/Kg	☼	12/02/24 12:02	12/03/24 16:17	2
Beryllium	**0.053**	**J**	0.98	0.049	mg/Kg	☼	12/02/24 12:02	12/03/24 16:17	2
Barium	**5.7**		2.0	0.23	mg/Kg	☼	12/02/24 12:02	12/03/24 16:17	2
Cadmium	**0.15**	**J**	0.98	0.051	mg/Kg	☼	12/02/24 12:02	12/03/24 16:17	2
Chromium	**9.5**		2.0	0.26	mg/Kg	☼	12/02/24 12:02	12/03/24 16:17	2
Copper	**7.1**		2.0	0.47	mg/Kg	☼	12/02/24 12:02	12/03/24 16:17	2
Lead	**4.7**		2.9	0.42	mg/Kg	☼	12/02/24 12:02	12/03/24 16:17	2
Nickel	**8.5**		2.0	0.23	mg/Kg	☼	12/02/24 12:02	12/03/24 16:17	2
Selenium	ND		2.9	0.56	mg/Kg	☼	12/02/24 12:02	12/03/24 16:17	2
Silver	ND		2.9	0.32	mg/Kg	☼	12/02/24 12:02	12/03/24 16:17	2
Thallium	ND		5.9	2.2	mg/Kg	☼	12/02/24 12:02	12/03/24 16:17	2
Zinc	**20**		5.9	1.5	mg/Kg	☼	12/02/24 12:02	12/03/24 16:17	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.031**	**J**	0.053	0.0089	mg/Kg	☼	12/02/24 08:49	12/02/24 14:00	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-T1-C
Date Collected: 11/19/24 10:38
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-4
Matrix: Solid
Percent Solids: 86.8

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.7	0.55	ug/Kg	☼	12/02/24 16:37	12/04/24 16:48	1
beta-BHC	ND		5.7	0.74	ug/Kg	☼	12/02/24 16:37	12/04/24 16:48	1
delta-BHC	ND		5.7	0.94	ug/Kg	☼	12/02/24 16:37	12/04/24 16:48	1
gamma-BHC (Lindane)	ND		2.3	0.51	ug/Kg	☼	12/02/24 16:37	12/04/24 16:48	1
Heptachlor	ND		5.7	0.69	ug/Kg	☼	12/02/24 16:37	12/04/24 16:48	1
Aldrin	ND		5.7	0.53	ug/Kg	☼	12/02/24 16:37	12/04/24 16:48	1
Heptachlor epoxide	ND		5.7	0.59	ug/Kg	☼	12/02/24 16:37	12/04/24 16:48	1
Endosulfan I	ND		5.7	0.59	ug/Kg	☼	12/02/24 16:37	12/04/24 16:48	1
Dieldrin	ND		5.7	0.63	ug/Kg	☼	12/02/24 16:37	12/04/24 16:48	1
4,4'-DDE	ND		9.1	0.75	ug/Kg	☼	12/02/24 16:37	12/04/24 16:48	1
Endrin	ND		9.1	0.81	ug/Kg	☼	12/02/24 16:37	12/04/24 16:48	1
Endosulfan II	ND		9.1	0.59	ug/Kg	☼	12/02/24 16:37	12/04/24 16:48	1
4,4'-DDD	ND		9.1	1.3	ug/Kg	☼	12/02/24 16:37	12/04/24 16:48	1
Endosulfan sulfate	ND		9.1	0.60	ug/Kg	☼	12/02/24 16:37	12/04/24 16:48	1
4,4'-DDT	ND		9.1	1.5	ug/Kg	☼	12/02/24 16:37	12/04/24 16:48	1
Methoxychlor	ND		9.1	1.7	ug/Kg	☼	12/02/24 16:37	12/04/24 16:48	1
Endrin ketone	ND		9.1	0.64	ug/Kg	☼	12/02/24 16:37	12/04/24 16:48	1
Endrin aldehyde	ND		9.1	1.1	ug/Kg	☼	12/02/24 16:37	12/04/24 16:48	1
cis-Chlordane	ND		5.7	0.56	ug/Kg	☼	12/02/24 16:37	12/04/24 16:48	1
trans-Chlordane	ND		5.7	0.82	ug/Kg	☼	12/02/24 16:37	12/04/24 16:48	1
Toxaphene	ND		110	80	ug/Kg	☼	12/02/24 16:37	12/04/24 16:48	1
Alachlor	ND		5.7	1.6	ug/Kg	☼	12/02/24 16:37	12/04/24 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*98*		*30 - 150*	*12/02/24 16:37*	*12/04/24 16:48*	*1*
Tetrachloro-m-xylene	*91*		*30 - 150*	*12/02/24 16:37*	*12/04/24 16:48*	*1*
DCB Decachlorobiphenyl (Surr)	*105*		*30 - 150*	*12/02/24 16:37*	*12/04/24 16:48*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*30 - 150*	*12/02/24 16:37*	*12/04/24 16:48*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.55**	**J**	5.5	0.41	mg/Kg	☼	12/02/24 12:02	12/03/24 16:38	1
Arsenic	**1.6**		1.6	0.21	mg/Kg	☼	12/02/24 12:02	12/03/24 16:38	1
Beryllium	**0.058**	**J**	0.55	0.027	mg/Kg	☼	12/02/24 12:02	12/03/24 16:38	1
Barium	**9.9**		1.1	0.13	mg/Kg	☼	12/02/24 12:02	12/03/24 16:38	1
Cadmium	**0.14**	**J**	0.55	0.028	mg/Kg	☼	12/02/24 12:02	12/03/24 16:38	1
Chromium	**7.6**		1.1	0.15	mg/Kg	☼	12/02/24 12:02	12/03/24 16:38	1
Copper	**5.2**		1.1	0.26	mg/Kg	☼	12/02/24 12:02	12/03/24 16:38	1
Lead	**4.6**		1.6	0.23	mg/Kg	☼	12/02/24 12:02	12/03/24 16:38	1
Nickel	**7.3**		1.1	0.13	mg/Kg	☼	12/02/24 12:02	12/03/24 16:38	1
Selenium	ND		1.6	0.31	mg/Kg	☼	12/02/24 12:02	12/03/24 16:38	1
Silver	ND		1.6	0.18	mg/Kg	☼	12/02/24 12:02	12/03/24 16:38	1
Thallium	ND		3.3	1.2	mg/Kg	☼	12/02/24 12:02	12/03/24 16:38	1
Zinc	**15**		3.3	0.85	mg/Kg	☼	12/02/24 12:02	12/03/24 16:38	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.042**	**J**	0.048	0.0080	mg/Kg	☼	12/02/24 08:49	12/02/24 14:02	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: SD-5-FD
Date Collected: 11/19/24 10:52
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-6
Matrix: Solid
Percent Solids: 84.5

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.8	0.55	ug/Kg	☼	12/02/24 16:37	12/04/24 17:09	1
beta-BHC	ND		5.8	0.75	ug/Kg	☼	12/02/24 16:37	12/04/24 17:09	1
delta-BHC	ND		5.8	0.96	ug/Kg	☼	12/02/24 16:37	12/04/24 17:09	1
gamma-BHC (Lindane)	ND		2.3	0.52	ug/Kg	☼	12/02/24 16:37	12/04/24 17:09	1
Heptachlor	ND		5.8	0.70	ug/Kg	☼	12/02/24 16:37	12/04/24 17:09	1
Aldrin	ND		5.8	0.54	ug/Kg	☼	12/02/24 16:37	12/04/24 17:09	1
Heptachlor epoxide	ND		5.8	0.60	ug/Kg	☼	12/02/24 16:37	12/04/24 17:09	1
Endosulfan I	ND		5.8	0.60	ug/Kg	☼	12/02/24 16:37	12/04/24 17:09	1
Dieldrin	ND		5.8	0.64	ug/Kg	☼	12/02/24 16:37	12/04/24 17:09	1
4,4'-DDE	ND		9.2	0.76	ug/Kg	☼	12/02/24 16:37	12/04/24 17:09	1
Endrin	ND		9.2	0.82	ug/Kg	☼	12/02/24 16:37	12/04/24 17:09	1
Endosulfan II	ND		9.2	0.60	ug/Kg	☼	12/02/24 16:37	12/04/24 17:09	1
4,4'-DDD	ND		9.2	1.3	ug/Kg	☼	12/02/24 16:37	12/04/24 17:09	1
Endosulfan sulfate	ND		9.2	0.61	ug/Kg	☼	12/02/24 16:37	12/04/24 17:09	1
4,4'-DDT	ND		9.2	1.5	ug/Kg	☼	12/02/24 16:37	12/04/24 17:09	1
Methoxychlor	ND		9.2	1.8	ug/Kg	☼	12/02/24 16:37	12/04/24 17:09	1
Endrin ketone	ND		9.2	0.65	ug/Kg	☼	12/02/24 16:37	12/04/24 17:09	1
Endrin aldehyde	ND		9.2	1.1	ug/Kg	☼	12/02/24 16:37	12/04/24 17:09	1
cis-Chlordane	ND		5.8	0.57	ug/Kg	☼	12/02/24 16:37	12/04/24 17:09	1
trans-Chlordane	ND		5.8	0.83	ug/Kg	☼	12/02/24 16:37	12/04/24 17:09	1
Toxaphene	ND		120	82	ug/Kg	☼	12/02/24 16:37	12/04/24 17:09	1
Alachlor	ND		5.8	1.7	ug/Kg	☼	12/02/24 16:37	12/04/24 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*69*		*30 - 150*	*12/02/24 16:37*	*12/04/24 17:09*	*1*
Tetrachloro-m-xylene	*69*		*30 - 150*	*12/02/24 16:37*	*12/04/24 17:09*	*1*
DCB Decachlorobiphenyl (Surr)	*47*		*30 - 150*	*12/02/24 16:37*	*12/04/24 17:09*	*1*
DCB Decachlorobiphenyl (Surr)	*57*		*30 - 150*	*12/02/24 16:37*	*12/04/24 17:09*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.7	0.43	mg/Kg	☼	12/02/24 12:02	12/03/24 16:50	1
Arsenic	**0.56**	**J**	1.7	0.22	mg/Kg	☼	12/02/24 12:02	12/03/24 16:50	1
Beryllium	ND		0.57	0.029	mg/Kg	☼	12/02/24 12:02	12/03/24 16:50	1
Barium	**3.9**		1.1	0.13	mg/Kg	☼	12/02/24 12:02	12/03/24 16:50	1
Cadmium	**0.093**	**J**	0.57	0.030	mg/Kg	☼	12/02/24 12:02	12/03/24 16:50	1
Chromium	**3.9**		1.1	0.15	mg/Kg	☼	12/02/24 12:02	12/03/24 16:50	1
Copper	**3.3**		1.1	0.27	mg/Kg	☼	12/02/24 12:02	12/03/24 16:50	1
Lead	**1.5**	**J**	1.7	0.24	mg/Kg	☼	12/02/24 12:02	12/03/24 16:50	1
Nickel	**4.2**		1.1	0.13	mg/Kg	☼	12/02/24 12:02	12/03/24 16:50	1
Selenium	ND		1.7	0.33	mg/Kg	☼	12/02/24 12:02	12/03/24 16:50	1
Silver	ND		1.7	0.19	mg/Kg	☼	12/02/24 12:02	12/03/24 16:50	1
Thallium	ND		3.4	1.3	mg/Kg	☼	12/02/24 12:02	12/03/24 16:50	1
Zinc	**11**		3.4	0.88	mg/Kg	☼	12/02/24 12:02	12/03/24 16:50	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.038	0.0063	mg/Kg	☼	12/02/24 08:49	12/02/24 14:06	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: SD-3
Date Collected: 11/19/24 13:50
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-7
Matrix: Solid
Percent Solids: 84.5

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.5	0.53	ug/Kg	☼	12/02/24 16:37	12/04/24 17:25	1
beta-BHC	ND		5.5	0.72	ug/Kg	☼	12/02/24 16:37	12/04/24 17:25	1
delta-BHC	ND		5.5	0.91	ug/Kg	☼	12/02/24 16:37	12/04/24 17:25	1
gamma-BHC (Lindane)	ND		2.2	0.50	ug/Kg	☼	12/02/24 16:37	12/04/24 17:25	1
Heptachlor	ND		5.5	0.67	ug/Kg	☼	12/02/24 16:37	12/04/24 17:25	1
Aldrin	ND		5.5	0.52	ug/Kg	☼	12/02/24 16:37	12/04/24 17:25	1
Heptachlor epoxide	ND		5.5	0.57	ug/Kg	☼	12/02/24 16:37	12/04/24 17:25	1
Endosulfan I	ND		5.5	0.57	ug/Kg	☼	12/02/24 16:37	12/04/24 17:25	1
Dieldrin	ND		5.5	0.61	ug/Kg	☼	12/02/24 16:37	12/04/24 17:25	1
4,4'-DDE	ND		8.8	0.73	ug/Kg	☼	12/02/24 16:37	12/04/24 17:25	1
Endrin	ND		8.8	0.78	ug/Kg	☼	12/02/24 16:37	12/04/24 17:25	1
Endosulfan II	ND		8.8	0.57	ug/Kg	☼	12/02/24 16:37	12/04/24 17:25	1
4,4'-DDD	ND		8.8	1.3	ug/Kg	☼	12/02/24 16:37	12/04/24 17:25	1
Endosulfan sulfate	ND		8.8	0.58	ug/Kg	☼	12/02/24 16:37	12/04/24 17:25	1
4,4'-DDT	ND		8.8	1.4	ug/Kg	☼	12/02/24 16:37	12/04/24 17:25	1
Methoxychlor	ND		8.8	1.7	ug/Kg	☼	12/02/24 16:37	12/04/24 17:25	1
Endrin ketone	ND		8.8	0.62	ug/Kg	☼	12/02/24 16:37	12/04/24 17:25	1
Endrin aldehyde	ND		8.8	1.0	ug/Kg	☼	12/02/24 16:37	12/04/24 17:25	1
cis-Chlordane	ND		5.5	0.54	ug/Kg	☼	12/02/24 16:37	12/04/24 17:25	1
trans-Chlordane	ND		5.5	0.79	ug/Kg	☼	12/02/24 16:37	12/04/24 17:25	1
Toxaphene	ND		110	78	ug/Kg	☼	12/02/24 16:37	12/04/24 17:25	1
Alachlor	ND		5.5	1.6	ug/Kg	☼	12/02/24 16:37	12/04/24 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*74*		*30 - 150*	*12/02/24 16:37*	*12/04/24 17:25*	*1*
Tetrachloro-m-xylene	*77*		*30 - 150*	*12/02/24 16:37*	*12/04/24 17:25*	*1*
DCB Decachlorobiphenyl (Surr)	*57*		*30 - 150*	*12/02/24 16:37*	*12/04/24 17:25*	*1*
DCB Decachlorobiphenyl (Surr)	*61*		*30 - 150*	*12/02/24 16:37*	*12/04/24 17:25*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.75**	**J**	3.4	0.26	mg/Kg	☼	12/02/24 12:02	12/03/24 16:56	1
Arsenic	**3.4**		1.0	0.13	mg/Kg	☼	12/02/24 12:02	12/03/24 16:56	1
Beryllium	**0.12**	**J**	0.34	0.017	mg/Kg	☼	12/02/24 12:02	12/03/24 16:56	1
Barium	**21**		0.68	0.080	mg/Kg	☼	12/02/24 12:02	12/03/24 16:56	1
Cadmium	**0.20**	**J**	0.34	0.018	mg/Kg	☼	12/02/24 12:02	12/03/24 16:56	1
Chromium	**11**		0.68	0.090	mg/Kg	☼	12/02/24 12:02	12/03/24 16:56	1
Copper	**9.8**		0.68	0.16	mg/Kg	☼	12/02/24 12:02	12/03/24 16:56	1
Lead	**3.8**		1.0	0.14	mg/Kg	☼	12/02/24 12:02	12/03/24 16:56	1
Nickel	**15**		0.68	0.078	mg/Kg	☼	12/02/24 12:02	12/03/24 16:56	1
Selenium	ND		1.0	0.19	mg/Kg	☼	12/02/24 12:02	12/03/24 16:56	1
Silver	ND		1.0	0.11	mg/Kg	☼	12/02/24 12:02	12/03/24 16:56	1
Thallium	ND		2.0	0.75	mg/Kg	☼	12/02/24 12:02	12/03/24 16:56	1
Zinc	**23**		2.0	0.53	mg/Kg	☼	12/02/24 12:02	12/03/24 16:56	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.011**	**J**	0.045	0.0075	mg/Kg	☼	12/02/24 08:49	12/02/24 14:08	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-G1-A
Date Collected: 11/19/24 14:07
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-8
Matrix: Solid
Percent Solids: 84.5

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.8	0.55	ug/Kg	☼	12/02/24 16:37	12/04/24 17:41	1
beta-BHC	ND		5.8	0.75	ug/Kg	☼	12/02/24 16:37	12/04/24 17:41	1
delta-BHC	ND		5.8	0.96	ug/Kg	☼	12/02/24 16:37	12/04/24 17:41	1
gamma-BHC (Lindane)	ND		2.3	0.52	ug/Kg	☼	12/02/24 16:37	12/04/24 17:41	1
Heptachlor	**36**	**p**	5.8	0.71	ug/Kg	☼	12/02/24 16:37	12/04/24 17:41	1
Aldrin	ND		5.8	0.54	ug/Kg	☼	12/02/24 16:37	12/04/24 17:41	1
Heptachlor epoxide	**150**	**p**	140	15	ug/Kg	☼	12/02/24 16:37	12/05/24 13:53	25
Endosulfan I	ND		5.8	0.60	ug/Kg	☼	12/02/24 16:37	12/04/24 17:41	1
Dieldrin	ND		5.8	0.64	ug/Kg	☼	12/02/24 16:37	12/04/24 17:41	1
4,4'-DDE	ND		9.2	0.76	ug/Kg	☼	12/02/24 16:37	12/04/24 17:41	1
Endrin	ND		9.2	0.82	ug/Kg	☼	12/02/24 16:37	12/04/24 17:41	1
Endosulfan II	ND		9.2	0.60	ug/Kg	☼	12/02/24 16:37	12/04/24 17:41	1
4,4'-DDD	ND		9.2	1.3	ug/Kg	☼	12/02/24 16:37	12/04/24 17:41	1
Endosulfan sulfate	ND		9.2	0.61	ug/Kg	☼	12/02/24 16:37	12/04/24 17:41	1
4,4'-DDT	**21**	**p**	9.2	1.5	ug/Kg	☼	12/02/24 16:37	12/04/24 17:41	1
Methoxychlor	ND		9.2	1.8	ug/Kg	☼	12/02/24 16:37	12/04/24 17:41	1
Endrin ketone	ND		9.2	0.65	ug/Kg	☼	12/02/24 16:37	12/04/24 17:41	1
Endrin aldehyde	ND		9.2	1.1	ug/Kg	☼	12/02/24 16:37	12/04/24 17:41	1
cis-Chlordane	**1700**	**p**	140	14	ug/Kg	☼	12/02/24 16:37	12/05/24 13:53	25
trans-Chlordane	**1500**		140	21	ug/Kg	☼	12/02/24 16:37	12/05/24 13:53	25
Toxaphene	ND		120	82	ug/Kg	☼	12/02/24 16:37	12/04/24 17:41	1
Alachlor	ND		5.8	1.7	ug/Kg	☼	12/02/24 16:37	12/04/24 17:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*63*		*30 - 150*	*12/02/24 16:37*	*12/04/24 17:41*	*1*
Tetrachloro-m-xylene	*53*		*30 - 150*	*12/02/24 16:37*	*12/04/24 17:41*	*1*
Tetrachloro-m-xylene	*0*	*S1-*	*30 - 150*	*12/02/24 16:37*	*12/05/24 13:53*	*25*
Tetrachloro-m-xylene	*0*	*S1-*	*30 - 150*	*12/02/24 16:37*	*12/05/24 13:53*	*25*
DCB Decachlorobiphenyl (Surr)	*97*		*30 - 150*	*12/02/24 16:37*	*12/04/24 17:41*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*30 - 150*	*12/02/24 16:37*	*12/04/24 17:41*	*1*
DCB Decachlorobiphenyl (Surr)	*0*	*S1-*	*30 - 150*	*12/02/24 16:37*	*12/05/24 13:53*	*25*
DCB Decachlorobiphenyl (Surr)	*0*	*S1-*	*30 - 150*	*12/02/24 16:37*	*12/05/24 13:53*	*25*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.82**	**J**	5.4	0.41	mg/Kg	☼	12/02/24 12:02	12/03/24 17:02	1
Arsenic	**44**		1.6	0.21	mg/Kg	☼	12/02/24 12:02	12/03/24 17:02	1
Beryllium	**0.058**	**J**	0.54	0.027	mg/Kg	☼	12/02/24 12:02	12/03/24 17:02	1
Barium	**8.0**		1.1	0.13	mg/Kg	☼	12/02/24 12:02	12/03/24 17:02	1
Cadmium	**0.16**	**J**	0.54	0.028	mg/Kg	☼	12/02/24 12:02	12/03/24 17:02	1
Chromium	**12**		1.1	0.14	mg/Kg	☼	12/02/24 12:02	12/03/24 17:02	1
Copper	**6.3**		1.1	0.26	mg/Kg	☼	12/02/24 12:02	12/03/24 17:02	1
Lead	**120**		1.6	0.23	mg/Kg	☼	12/02/24 12:02	12/03/24 17:02	1
Nickel	**6.8**		1.1	0.12	mg/Kg	☼	12/02/24 12:02	12/03/24 17:02	1
Selenium	ND		1.6	0.31	mg/Kg	☼	12/02/24 12:02	12/03/24 17:02	1
Silver	ND		1.6	0.18	mg/Kg	☼	12/02/24 12:02	12/03/24 17:02	1
Thallium	ND		3.2	1.2	mg/Kg	☼	12/02/24 12:02	12/03/24 17:02	1
Zinc	**17**		3.2	0.84	mg/Kg	☼	12/02/24 12:02	12/03/24 17:02	1

Client Sample Results

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-G1-A
Date Collected: 11/19/24 14:07
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-8
Matrix: Solid
Percent Solids: 84.5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	6.5		0.43	0.072	mg/Kg	☼	12/02/24 08:49	12/02/24 15:48	10

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-G1-B

Date Collected: 11/19/24 14:08
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-9

Matrix: Solid
Percent Solids: 85.6

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.6	0.54	ug/Kg	☼	12/02/24 16:37	12/04/24 17:57	1
beta-BHC	ND		5.6	0.73	ug/Kg	☼	12/02/24 16:37	12/04/24 17:57	1
delta-BHC	ND		5.6	0.93	ug/Kg	☼	12/02/24 16:37	12/04/24 17:57	1
gamma-BHC (Lindane)	ND		2.2	0.50	ug/Kg	☼	12/02/24 16:37	12/04/24 17:57	1
Heptachlor	**6.3**	**p**	5.6	0.68	ug/Kg	☼	12/02/24 16:37	12/04/24 17:57	1
Aldrin	ND		5.6	0.52	ug/Kg	☼	12/02/24 16:37	12/04/24 17:57	1
Heptachlor epoxide	**68**	**p**	5.6	0.58	ug/Kg	☼	12/02/24 16:37	12/04/24 17:57	1
Endosulfan I	ND		5.6	0.58	ug/Kg	☼	12/02/24 16:37	12/04/24 17:57	1
Dieldrin	ND		5.6	0.61	ug/Kg	☼	12/02/24 16:37	12/04/24 17:57	1
4,4'-DDE	ND		8.9	0.74	ug/Kg	☼	12/02/24 16:37	12/04/24 17:57	1
Endrin	ND		8.9	0.79	ug/Kg	☼	12/02/24 16:37	12/04/24 17:57	1
Endosulfan II	ND		8.9	0.58	ug/Kg	☼	12/02/24 16:37	12/04/24 17:57	1
4,4'-DDD	ND		8.9	1.3	ug/Kg	☼	12/02/24 16:37	12/04/24 17:57	1
Endosulfan sulfate	ND		8.9	0.59	ug/Kg	☼	12/02/24 16:37	12/04/24 17:57	1
4,4'-DDT	**9.2**	**p**	8.9	1.5	ug/Kg	☼	12/02/24 16:37	12/04/24 17:57	1
Methoxychlor	ND		8.9	1.7	ug/Kg	☼	12/02/24 16:37	12/04/24 17:57	1
Endrin ketone	ND		8.9	0.62	ug/Kg	☼	12/02/24 16:37	12/04/24 17:57	1
Endrin aldehyde	ND		8.9	1.0	ug/Kg	☼	12/02/24 16:37	12/04/24 17:57	1
cis-Chlordane	**1000**	**p**	140	14	ug/Kg	☼	12/02/24 16:37	12/05/24 14:09	25
trans-Chlordane	**850**		140	20	ug/Kg	☼	12/02/24 16:37	12/05/24 14:09	25
Toxaphene	ND		110	79	ug/Kg	☼	12/02/24 16:37	12/04/24 17:57	1
Alachlor	ND		5.6	1.6	ug/Kg	☼	12/02/24 16:37	12/04/24 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*65*		*30 - 150*	*12/02/24 16:37*	*12/04/24 17:57*	*1*
Tetrachloro-m-xylene	*47*		*30 - 150*	*12/02/24 16:37*	*12/04/24 17:57*	*1*
Tetrachloro-m-xylene	*0*	*S1-*	*30 - 150*	*12/02/24 16:37*	*12/05/24 14:09*	*25*
Tetrachloro-m-xylene	*0*	*S1-*	*30 - 150*	*12/02/24 16:37*	*12/05/24 14:09*	*25*
DCB Decachlorobiphenyl (Surr)	*103*		*30 - 150*	*12/02/24 16:37*	*12/04/24 17:57*	*1*
DCB Decachlorobiphenyl (Surr)	*97*		*30 - 150*	*12/02/24 16:37*	*12/04/24 17:57*	*1*
DCB Decachlorobiphenyl (Surr)	*0*	*S1-*	*30 - 150*	*12/02/24 16:37*	*12/05/24 14:09*	*25*
DCB Decachlorobiphenyl (Surr)	*0*	*S1-*	*30 - 150*	*12/02/24 16:37*	*12/05/24 14:09*	*25*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.60**	**J**	5.2	0.39	mg/Kg	☼	12/02/24 12:02	12/03/24 17:08	1
Arsenic	**12**		1.6	0.20	mg/Kg	☼	12/02/24 12:02	12/03/24 17:08	1
Beryllium	**0.060**	**J**	0.52	0.026	mg/Kg	☼	12/02/24 12:02	12/03/24 17:08	1
Barium	**6.9**		1.0	0.12	mg/Kg	☼	12/02/24 12:02	12/03/24 17:08	1
Cadmium	**0.15**	**J**	0.52	0.027	mg/Kg	☼	12/02/24 12:02	12/03/24 17:08	1
Chromium	**11**		1.0	0.14	mg/Kg	☼	12/02/24 12:02	12/03/24 17:08	1
Copper	**7.8**		1.0	0.25	mg/Kg	☼	12/02/24 12:02	12/03/24 17:08	1
Lead	**35**		1.6	0.22	mg/Kg	☼	12/02/24 12:02	12/03/24 17:08	1
Nickel	**7.3**		1.0	0.12	mg/Kg	☼	12/02/24 12:02	12/03/24 17:08	1
Selenium	ND		1.6	0.30	mg/Kg	☼	12/02/24 12:02	12/03/24 17:08	1
Silver	ND		1.6	0.17	mg/Kg	☼	12/02/24 12:02	12/03/24 17:08	1
Thallium	ND		3.1	1.1	mg/Kg	☼	12/02/24 12:02	12/03/24 17:08	1
Zinc	**19**		3.1	0.81	mg/Kg	☼	12/02/24 12:02	12/03/24 17:08	1

Client Sample Results

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-G1-B
Date Collected: 11/19/24 14:08
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-9
Matrix: Solid
Percent Solids: 85.6

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.7		0.45	0.075	mg/Kg	☼	12/02/24 08:49	12/02/24 15:50	10

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-G1-C
Date Collected: 11/19/24 14:09
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-10
Matrix: Solid
Percent Solids: 89.2

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.5	0.53	ug/Kg	☼	12/02/24 16:37	12/05/24 14:41	1
beta-BHC	ND		5.5	0.72	ug/Kg	☼	12/02/24 16:37	12/05/24 14:41	1
delta-BHC	ND		5.5	0.91	ug/Kg	☼	12/02/24 16:37	12/05/24 14:41	1
gamma-BHC (Lindane)	ND		2.2	0.50	ug/Kg	☼	12/02/24 16:37	12/05/24 14:41	1
Heptachlor	**0.88**	**J p**	5.5	0.67	ug/Kg	☼	12/02/24 16:37	12/05/24 14:41	1
Aldrin	ND		5.5	0.52	ug/Kg	☼	12/02/24 16:37	12/05/24 14:41	1
Heptachlor epoxide	**94**	**J p**	140	14	ug/Kg	☼	12/02/24 16:37	12/05/24 14:25	25
Endosulfan I	ND		5.5	0.57	ug/Kg	☼	12/02/24 16:37	12/05/24 14:41	1
Dieldrin	ND		5.5	0.61	ug/Kg	☼	12/02/24 16:37	12/05/24 14:41	1
4,4'-DDE	ND		8.8	0.73	ug/Kg	☼	12/02/24 16:37	12/05/24 14:41	1
Endrin	ND		8.8	0.78	ug/Kg	☼	12/02/24 16:37	12/05/24 14:41	1
Endosulfan II	ND		8.8	0.57	ug/Kg	☼	12/02/24 16:37	12/05/24 14:41	1
4,4'-DDD	ND		8.8	1.3	ug/Kg	☼	12/02/24 16:37	12/05/24 14:41	1
Endosulfan sulfate	**1.7**	**J p**	8.8	0.58	ug/Kg	☼	12/02/24 16:37	12/05/24 14:41	1
4,4'-DDT	**8.5**	**J p**	8.8	1.4	ug/Kg	☼	12/02/24 16:37	12/05/24 14:41	1
Methoxychlor	ND		8.8	1.7	ug/Kg	☼	12/02/24 16:37	12/05/24 14:41	1
Endrin ketone	ND		8.8	0.62	ug/Kg	☼	12/02/24 16:37	12/05/24 14:41	1
Endrin aldehyde	ND		8.8	1.0	ug/Kg	☼	12/02/24 16:37	12/05/24 14:41	1
cis-Chlordane	**910**	**p**	140	13	ug/Kg	☼	12/02/24 16:37	12/05/24 14:25	25
trans-Chlordane	**670**		140	20	ug/Kg	☼	12/02/24 16:37	12/05/24 14:25	25
Toxaphene	ND		110	78	ug/Kg	☼	12/02/24 16:37	12/05/24 14:41	1
Alachlor	ND		5.5	1.6	ug/Kg	☼	12/02/24 16:37	12/05/24 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*S1-*	*30 - 150*	*12/02/24 16:37*	*12/05/24 14:25*	*25*
Tetrachloro-m-xylene	*0*	*S1-*	*30 - 150*	*12/02/24 16:37*	*12/05/24 14:25*	*25*
Tetrachloro-m-xylene	*69*		*30 - 150*	*12/02/24 16:37*	*12/05/24 14:41*	*1*
Tetrachloro-m-xylene	*57*		*30 - 150*	*12/02/24 16:37*	*12/05/24 14:41*	*1*
DCB Decachlorobiphenyl (Surr)	*0*	*S1-*	*30 - 150*	*12/02/24 16:37*	*12/05/24 14:25*	*25*
DCB Decachlorobiphenyl (Surr)	*0*	*S1-*	*30 - 150*	*12/02/24 16:37*	*12/05/24 14:25*	*25*
DCB Decachlorobiphenyl (Surr)	*79*		*30 - 150*	*12/02/24 16:37*	*12/05/24 14:41*	*1*
DCB Decachlorobiphenyl (Surr)	*107*		*30 - 150*	*12/02/24 16:37*	*12/05/24 14:41*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		4.6	0.34	mg/Kg	☼	12/02/24 12:02	12/03/24 17:14	1
Arsenic	**18**		1.4	0.17	mg/Kg	☼	12/02/24 12:02	12/03/24 17:14	1
Beryllium	**0.044**	**J**	0.46	0.023	mg/Kg	☼	12/02/24 12:02	12/03/24 17:14	1
Barium	**9.2**		0.92	0.11	mg/Kg	☼	12/02/24 12:02	12/03/24 17:14	1
Cadmium	**0.12**	**J**	0.46	0.024	mg/Kg	☼	12/02/24 12:02	12/03/24 17:14	1
Chromium	**8.3**		0.92	0.12	mg/Kg	☼	12/02/24 12:02	12/03/24 17:14	1
Copper	**4.6**		0.92	0.22	mg/Kg	☼	12/02/24 12:02	12/03/24 17:14	1
Lead	**52**		1.4	0.19	mg/Kg	☼	12/02/24 12:02	12/03/24 17:14	1
Nickel	**5.4**		0.92	0.11	mg/Kg	☼	12/02/24 12:02	12/03/24 17:14	1
Selenium	ND		1.4	0.26	mg/Kg	☼	12/02/24 12:02	12/03/24 17:14	1
Silver	ND		1.4	0.15	mg/Kg	☼	12/02/24 12:02	12/03/24 17:14	1
Thallium	ND		2.7	1.0	mg/Kg	☼	12/02/24 12:02	12/03/24 17:14	1
Zinc	**15**		2.7	0.71	mg/Kg	☼	12/02/24 12:02	12/03/24 17:14	1

Client Sample Results

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-G1-C
Date Collected: 11/19/24 14:09
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-10
Matrix: Solid
Percent Solids: 89.2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	4.2		0.46	0.077	mg/Kg	☼	12/02/24 08:49	12/02/24 15:52	10

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: SD-1
Date Collected: 11/20/24 08:45
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-11
Matrix: Solid
Percent Solids: 89.2

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.4	0.52	ug/Kg	☼	12/04/24 11:32	12/09/24 11:22	1
beta-BHC	ND		5.4	0.70	ug/Kg	☼	12/04/24 11:32	12/09/24 11:22	1
delta-BHC	ND		5.4	0.90	ug/Kg	☼	12/04/24 11:32	12/09/24 11:22	1
gamma-BHC (Lindane)	ND		2.2	0.49	ug/Kg	☼	12/04/24 11:32	12/09/24 11:22	1
Heptachlor	ND		5.4	0.66	ug/Kg	☼	12/04/24 11:32	12/09/24 11:22	1
Aldrin	ND		5.4	0.51	ug/Kg	☼	12/04/24 11:32	12/09/24 11:22	1
Heptachlor epoxide	ND		5.4	0.56	ug/Kg	☼	12/04/24 11:32	12/09/24 11:22	1
Endosulfan I	ND		5.4	0.56	ug/Kg	☼	12/04/24 11:32	12/09/24 11:22	1
Dieldrin	ND		5.4	0.59	ug/Kg	☼	12/04/24 11:32	12/09/24 11:22	1
4,4'-DDE	ND		8.6	0.71	ug/Kg	☼	12/04/24 11:32	12/09/24 11:22	1
Endrin	ND		8.6	0.77	ug/Kg	☼	12/04/24 11:32	12/09/24 11:22	1
Endosulfan II	ND		8.6	0.56	ug/Kg	☼	12/04/24 11:32	12/09/24 11:22	1
4,4'-DDD	ND		8.6	1.2	ug/Kg	☼	12/04/24 11:32	12/09/24 11:22	1
Endosulfan sulfate	ND		8.6	0.57	ug/Kg	☼	12/04/24 11:32	12/09/24 11:22	1
4,4'-DDT	ND		8.6	1.4	ug/Kg	☼	12/04/24 11:32	12/09/24 11:22	1
Methoxychlor	ND		8.6	1.6	ug/Kg	☼	12/04/24 11:32	12/09/24 11:22	1
Endrin ketone	ND		8.6	0.61	ug/Kg	☼	12/04/24 11:32	12/09/24 11:22	1
Endrin aldehyde	ND		8.6	1.0	ug/Kg	☼	12/04/24 11:32	12/09/24 11:22	1
cis-Chlordane	ND		5.4	0.53	ug/Kg	☼	12/04/24 11:32	12/09/24 11:22	1
trans-Chlordane	ND		5.4	0.78	ug/Kg	☼	12/04/24 11:32	12/09/24 11:22	1
Toxaphene	ND		110	76	ug/Kg	☼	12/04/24 11:32	12/09/24 11:22	1
Alachlor	ND		5.4	1.6	ug/Kg	☼	12/04/24 11:32	12/09/24 11:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*61*		*30 - 150*	*12/04/24 11:32*	*12/09/24 11:22*	*1*
Tetrachloro-m-xylene	*68*		*30 - 150*	*12/04/24 11:32*	*12/09/24 11:22*	*1*
DCB Decachlorobiphenyl (Surr)	*59*		*30 - 150*	*12/04/24 11:32*	*12/09/24 11:22*	*1*
DCB Decachlorobiphenyl (Surr)	*45*		*30 - 150*	*12/04/24 11:32*	*12/09/24 11:22*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.7	0.43	mg/Kg	☼	12/02/24 12:02	12/03/24 17:20	1
Arsenic	**2.0**		1.7	0.22	mg/Kg	☼	12/02/24 12:02	12/03/24 17:20	1
Beryllium	**0.056**	**J**	0.57	0.028	mg/Kg	☼	12/02/24 12:02	12/03/24 17:20	1
Barium	**9.4**		1.1	0.13	mg/Kg	☼	12/02/24 12:02	12/03/24 17:20	1
Cadmium	**0.13**	**J**	0.57	0.029	mg/Kg	☼	12/02/24 12:02	12/03/24 17:20	1
Chromium	**4.4**		1.1	0.15	mg/Kg	☼	12/02/24 12:02	12/03/24 17:20	1
Copper	**2.9**		1.1	0.27	mg/Kg	☼	12/02/24 12:02	12/03/24 17:20	1
Lead	**3.6**		1.7	0.24	mg/Kg	☼	12/02/24 12:02	12/03/24 17:20	1
Nickel	**6.8**		1.1	0.13	mg/Kg	☼	12/02/24 12:02	12/03/24 17:20	1
Selenium	ND		1.7	0.32	mg/Kg	☼	12/02/24 12:02	12/03/24 17:20	1
Silver	ND		1.7	0.18	mg/Kg	☼	12/02/24 12:02	12/03/24 17:20	1
Thallium	ND		3.4	1.2	mg/Kg	☼	12/02/24 12:02	12/03/24 17:20	1
Zinc	**13**		3.4	0.88	mg/Kg	☼	12/02/24 12:02	12/03/24 17:20	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.032**	**J**	0.045	0.0075	mg/Kg	☼	12/02/24 08:49	12/02/24 14:20	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: SD-2
Date Collected: 11/20/24 08:53
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-12
Matrix: Solid
Percent Solids: 89.2

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.5	0.53	ug/Kg	☼	12/04/24 11:32	12/09/24 11:38	1
beta-BHC	ND		5.5	0.72	ug/Kg	☼	12/04/24 11:32	12/09/24 11:38	1
delta-BHC	ND		5.5	0.92	ug/Kg	☼	12/04/24 11:32	12/09/24 11:38	1
gamma-BHC (Lindane)	ND		2.2	0.50	ug/Kg	☼	12/04/24 11:32	12/09/24 11:38	1
Heptachlor	ND		5.5	0.67	ug/Kg	☼	12/04/24 11:32	12/09/24 11:38	1
Aldrin	ND		5.5	0.52	ug/Kg	☼	12/04/24 11:32	12/09/24 11:38	1
Heptachlor epoxide	ND		5.5	0.57	ug/Kg	☼	12/04/24 11:32	12/09/24 11:38	1
Endosulfan I	ND		5.5	0.57	ug/Kg	☼	12/04/24 11:32	12/09/24 11:38	1
Dieldrin	ND		5.5	0.61	ug/Kg	☼	12/04/24 11:32	12/09/24 11:38	1
4,4'-DDE	ND		8.8	0.73	ug/Kg	☼	12/04/24 11:32	12/09/24 11:38	1
Endrin	ND		8.8	0.78	ug/Kg	☼	12/04/24 11:32	12/09/24 11:38	1
Endosulfan II	ND		8.8	0.57	ug/Kg	☼	12/04/24 11:32	12/09/24 11:38	1
4,4'-DDD	ND		8.8	1.3	ug/Kg	☼	12/04/24 11:32	12/09/24 11:38	1
Endosulfan sulfate	ND		8.8	0.59	ug/Kg	☼	12/04/24 11:32	12/09/24 11:38	1
4,4'-DDT	ND		8.8	1.4	ug/Kg	☼	12/04/24 11:32	12/09/24 11:38	1
Methoxychlor	ND		8.8	1.7	ug/Kg	☼	12/04/24 11:32	12/09/24 11:38	1
Endrin ketone	ND		8.8	0.62	ug/Kg	☼	12/04/24 11:32	12/09/24 11:38	1
Endrin aldehyde	ND		8.8	1.0	ug/Kg	☼	12/04/24 11:32	12/09/24 11:38	1
cis-Chlordane	ND		5.5	0.54	ug/Kg	☼	12/04/24 11:32	12/09/24 11:38	1
trans-Chlordane	ND		5.5	0.80	ug/Kg	☼	12/04/24 11:32	12/09/24 11:38	1
Toxaphene	ND		110	78	ug/Kg	☼	12/04/24 11:32	12/09/24 11:38	1
Alachlor	ND		5.5	1.6	ug/Kg	☼	12/04/24 11:32	12/09/24 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*30 - 150*	*12/04/24 11:32*	*12/09/24 11:38*	*1*
Tetrachloro-m-xylene	*98*		*30 - 150*	*12/04/24 11:32*	*12/09/24 11:38*	*1*
DCB Decachlorobiphenyl (Surr)	*356*	*S1+*	*30 - 150*	*12/04/24 11:32*	*12/09/24 11:38*	*1*
DCB Decachlorobiphenyl (Surr)	*70*	*p*	*30 - 150*	*12/04/24 11:32*	*12/09/24 11:38*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.87**	**J**	4.7	0.35	mg/Kg	☼	12/02/24 12:02	12/03/24 17:26	1
Arsenic	**2.0**		1.4	0.18	mg/Kg	☼	12/02/24 12:02	12/03/24 17:26	1
Beryllium	**0.069**	**J**	0.47	0.023	mg/Kg	☼	12/02/24 12:02	12/03/24 17:26	1
Barium	**19**		0.94	0.11	mg/Kg	☼	12/02/24 12:02	12/03/24 17:26	1
Cadmium	**0.27**	**J**	0.47	0.024	mg/Kg	☼	12/02/24 12:02	12/03/24 17:26	1
Chromium	**11**		0.94	0.12	mg/Kg	☼	12/02/24 12:02	12/03/24 17:26	1
Copper	**14**		0.94	0.22	mg/Kg	☼	12/02/24 12:02	12/03/24 17:26	1
Lead	**32**		1.4	0.20	mg/Kg	☼	12/02/24 12:02	12/03/24 17:26	1
Nickel	**11**		0.94	0.11	mg/Kg	☼	12/02/24 12:02	12/03/24 17:26	1
Selenium	ND		1.4	0.27	mg/Kg	☼	12/02/24 12:02	12/03/24 17:26	1
Silver	ND		1.4	0.15	mg/Kg	☼	12/02/24 12:02	12/03/24 17:26	1
Thallium	ND		2.8	1.0	mg/Kg	☼	12/02/24 12:02	12/03/24 17:26	1
Zinc	**48**		2.8	0.72	mg/Kg	☼	12/02/24 12:02	12/03/24 17:26	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.36**		0.049	0.0082	mg/Kg	☼	12/02/24 08:51	12/02/24 14:27	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-F1-A
Date Collected: 11/20/24 10:18
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-13
Matrix: Solid
Percent Solids: 88.2

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.5	0.53	ug/Kg	☼	12/04/24 11:32	12/09/24 11:54	1
beta-BHC	ND		5.5	0.72	ug/Kg	☼	12/04/24 11:32	12/09/24 11:54	1
delta-BHC	ND		5.5	0.92	ug/Kg	☼	12/04/24 11:32	12/09/24 11:54	1
gamma-BHC (Lindane)	ND		2.2	0.50	ug/Kg	☼	12/04/24 11:32	12/09/24 11:54	1
Heptachlor	ND		5.5	0.67	ug/Kg	☼	12/04/24 11:32	12/09/24 11:54	1
Aldrin	ND		5.5	0.52	ug/Kg	☼	12/04/24 11:32	12/09/24 11:54	1
Heptachlor epoxide	**1.2**	**J**	5.5	0.57	ug/Kg	☼	12/04/24 11:32	12/09/24 11:54	1
Endosulfan I	ND		5.5	0.57	ug/Kg	☼	12/04/24 11:32	12/09/24 11:54	1
Dieldrin	ND		5.5	0.61	ug/Kg	☼	12/04/24 11:32	12/09/24 11:54	1
4,4'-DDE	ND		8.8	0.73	ug/Kg	☼	12/04/24 11:32	12/09/24 11:54	1
Endrin	ND		8.8	0.78	ug/Kg	☼	12/04/24 11:32	12/09/24 11:54	1
Endosulfan II	ND		8.8	0.57	ug/Kg	☼	12/04/24 11:32	12/09/24 11:54	1
4,4'-DDD	ND		8.8	1.3	ug/Kg	☼	12/04/24 11:32	12/09/24 11:54	1
Endosulfan sulfate	ND		8.8	0.59	ug/Kg	☼	12/04/24 11:32	12/09/24 11:54	1
4,4'-DDT	ND		8.8	1.4	ug/Kg	☼	12/04/24 11:32	12/09/24 11:54	1
Methoxychlor	ND		8.8	1.7	ug/Kg	☼	12/04/24 11:32	12/09/24 11:54	1
Endrin ketone	ND		8.8	0.62	ug/Kg	☼	12/04/24 11:32	12/09/24 11:54	1
Endrin aldehyde	ND		8.8	1.0	ug/Kg	☼	12/04/24 11:32	12/09/24 11:54	1
cis-Chlordane	**6.2**	**p**	5.5	0.54	ug/Kg	☼	12/04/24 11:32	12/09/24 11:54	1
trans-Chlordane	**1.0**	**J p**	5.5	0.80	ug/Kg	☼	12/04/24 11:32	12/09/24 11:54	1
Toxaphene	ND		110	78	ug/Kg	☼	12/04/24 11:32	12/09/24 11:54	1
Alachlor	ND		5.5	1.6	ug/Kg	☼	12/04/24 11:32	12/09/24 11:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*69*		*30 - 150*	*12/04/24 11:32*	*12/09/24 11:54*	*1*
Tetrachloro-m-xylene	*75*		*30 - 150*	*12/04/24 11:32*	*12/09/24 11:54*	*1*
DCB Decachlorobiphenyl (Surr)	*51*		*30 - 150*	*12/04/24 11:32*	*12/09/24 11:54*	*1*
DCB Decachlorobiphenyl (Surr)	*33*	*p*	*30 - 150*	*12/04/24 11:32*	*12/09/24 11:54*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.1	0.38	mg/Kg	☼	12/02/24 12:02	12/03/24 17:32	1
Arsenic	**2.0**		1.5	0.19	mg/Kg	☼	12/02/24 12:02	12/03/24 17:32	1
Beryllium	**0.082**	**J**	0.51	0.025	mg/Kg	☼	12/02/24 12:02	12/03/24 17:32	1
Barium	**11**		1.0	0.12	mg/Kg	☼	12/02/24 12:02	12/03/24 17:32	1
Cadmium	**0.17**	**J**	0.51	0.026	mg/Kg	☼	12/02/24 12:02	12/03/24 17:32	1
Chromium	**6.2**		1.0	0.13	mg/Kg	☼	12/02/24 12:02	12/03/24 17:32	1
Copper	**5.5**		1.0	0.24	mg/Kg	☼	12/02/24 12:02	12/03/24 17:32	1
Lead	**5.1**		1.5	0.21	mg/Kg	☼	12/02/24 12:02	12/03/24 17:32	1
Nickel	**7.2**		1.0	0.12	mg/Kg	☼	12/02/24 12:02	12/03/24 17:32	1
Selenium	ND		1.5	0.29	mg/Kg	☼	12/02/24 12:02	12/03/24 17:32	1
Silver	ND		1.5	0.16	mg/Kg	☼	12/02/24 12:02	12/03/24 17:32	1
Thallium	ND		3.0	1.1	mg/Kg	☼	12/02/24 12:02	12/03/24 17:32	1
Zinc	**18**		3.0	0.78	mg/Kg	☼	12/02/24 12:02	12/03/24 17:32	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.065**		0.046	0.0077	mg/Kg	☼	12/02/24 08:51	12/02/24 14:35	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-F1-B

Date Collected: 11/20/24 10:35
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-14

Matrix: Solid
Percent Solids: 88.3

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.1	0.49	ug/Kg	☼	12/04/24 11:32	12/09/24 12:15	1
beta-BHC	ND		5.1	0.67	ug/Kg	☼	12/04/24 11:32	12/09/24 12:15	1
delta-BHC	ND		5.1	0.85	ug/Kg	☼	12/04/24 11:32	12/09/24 12:15	1
gamma-BHC (Lindane)	ND		2.0	0.46	ug/Kg	☼	12/04/24 11:32	12/09/24 12:15	1
Heptachlor	ND		5.1	0.62	ug/Kg	☼	12/04/24 11:32	12/09/24 12:15	1
Aldrin	ND		5.1	0.48	ug/Kg	☼	12/04/24 11:32	12/09/24 12:15	1
Heptachlor epoxide	**2.3**	**J**	5.1	0.53	ug/Kg	☼	12/04/24 11:32	12/09/24 12:15	1
Endosulfan I	ND		5.1	0.53	ug/Kg	☼	12/04/24 11:32	12/09/24 12:15	1
Dieldrin	ND		5.1	0.56	ug/Kg	☼	12/04/24 11:32	12/09/24 12:15	1
4,4'-DDE	ND		8.2	0.68	ug/Kg	☼	12/04/24 11:32	12/09/24 12:15	1
Endrin	ND		8.2	0.73	ug/Kg	☼	12/04/24 11:32	12/09/24 12:15	1
Endosulfan II	ND		8.2	0.53	ug/Kg	☼	12/04/24 11:32	12/09/24 12:15	1
4,4'-DDD	ND		8.2	1.2	ug/Kg	☼	12/04/24 11:32	12/09/24 12:15	1
Endosulfan sulfate	ND		8.2	0.54	ug/Kg	☼	12/04/24 11:32	12/09/24 12:15	1
4,4'-DDT	**1.5**	**J p**	8.2	1.3	ug/Kg	☼	12/04/24 11:32	12/09/24 12:15	1
Methoxychlor	ND		8.2	1.6	ug/Kg	☼	12/04/24 11:32	12/09/24 12:15	1
Endrin ketone	ND		8.2	0.57	ug/Kg	☼	12/04/24 11:32	12/09/24 12:15	1
Endrin aldehyde	ND		8.2	0.95	ug/Kg	☼	12/04/24 11:32	12/09/24 12:15	1
cis-Chlordane	**6.5**	**p**	5.1	0.50	ug/Kg	☼	12/04/24 11:32	12/09/24 12:15	1
trans-Chlordane	**1.8**	**J p**	5.1	0.74	ug/Kg	☼	12/04/24 11:32	12/09/24 12:15	1
Toxaphene	ND		100	72	ug/Kg	☼	12/04/24 11:32	12/09/24 12:15	1
Alachlor	ND		5.1	1.5	ug/Kg	☼	12/04/24 11:32	12/09/24 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*62*		*30 - 150*	*12/04/24 11:32*	*12/09/24 12:15*	*1*
Tetrachloro-m-xylene	*68*		*30 - 150*	*12/04/24 11:32*	*12/09/24 12:15*	*1*
DCB Decachlorobiphenyl (Surr)	*45*		*30 - 150*	*12/04/24 11:32*	*12/09/24 12:15*	*1*
DCB Decachlorobiphenyl (Surr)	*32*		*30 - 150*	*12/04/24 11:32*	*12/09/24 12:15*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.2	0.39	mg/Kg	☼	12/02/24 12:02	12/03/24 17:50	1
Arsenic	**1.7**		1.6	0.20	mg/Kg	☼	12/02/24 12:02	12/03/24 17:50	1
Beryllium	**0.074**	**J**	0.52	0.026	mg/Kg	☼	12/02/24 12:02	12/03/24 17:50	1
Barium	**9.7**		1.0	0.12	mg/Kg	☼	12/02/24 12:02	12/03/24 17:50	1
Cadmium	**0.14**	**J**	0.52	0.027	mg/Kg	☼	12/02/24 12:02	12/03/24 17:50	1
Chromium	**5.8**		1.0	0.14	mg/Kg	☼	12/02/24 12:02	12/03/24 17:50	1
Copper	**4.4**		1.0	0.25	mg/Kg	☼	12/02/24 12:02	12/03/24 17:50	1
Lead	**3.8**		1.6	0.22	mg/Kg	☼	12/02/24 12:02	12/03/24 17:50	1
Nickel	**6.1**		1.0	0.12	mg/Kg	☼	12/02/24 12:02	12/03/24 17:50	1
Selenium	ND		1.6	0.30	mg/Kg	☼	12/02/24 12:02	12/03/24 17:50	1
Silver	ND		1.6	0.17	mg/Kg	☼	12/02/24 12:02	12/03/24 17:50	1
Thallium	ND		3.1	1.2	mg/Kg	☼	12/02/24 12:02	12/03/24 17:50	1
Zinc	**15**		3.1	0.81	mg/Kg	☼	12/02/24 12:02	12/03/24 17:50	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.057**		0.050	0.0084	mg/Kg	☼	12/02/24 08:51	12/02/24 14:38	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-F1-C

Date Collected: 11/20/24 10:40
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-15

Matrix: Solid
Percent Solids: 87.7

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.6	0.54	ug/Kg	☼	12/04/24 11:32	12/09/24 12:31	1
beta-BHC	ND		5.6	0.73	ug/Kg	☼	12/04/24 11:32	12/09/24 12:31	1
delta-BHC	ND		5.6	0.93	ug/Kg	☼	12/04/24 11:32	12/09/24 12:31	1
gamma-BHC (Lindane)	ND		2.2	0.50	ug/Kg	☼	12/04/24 11:32	12/09/24 12:31	1
Heptachlor	ND		5.6	0.68	ug/Kg	☼	12/04/24 11:32	12/09/24 12:31	1
Aldrin	ND		5.6	0.53	ug/Kg	☼	12/04/24 11:32	12/09/24 12:31	1
Heptachlor epoxide	**2.0**	**J**	5.6	0.58	ug/Kg	☼	12/04/24 11:32	12/09/24 12:31	1
Endosulfan I	ND		5.6	0.58	ug/Kg	☼	12/04/24 11:32	12/09/24 12:31	1
Dieldrin	ND		5.6	0.62	ug/Kg	☼	12/04/24 11:32	12/09/24 12:31	1
4,4'-DDE	ND		9.0	0.74	ug/Kg	☼	12/04/24 11:32	12/09/24 12:31	1
Endrin	ND		9.0	0.80	ug/Kg	☼	12/04/24 11:32	12/09/24 12:31	1
Endosulfan II	ND		9.0	0.58	ug/Kg	☼	12/04/24 11:32	12/09/24 12:31	1
4,4'-DDD	ND		9.0	1.3	ug/Kg	☼	12/04/24 11:32	12/09/24 12:31	1
Endosulfan sulfate	ND		9.0	0.59	ug/Kg	☼	12/04/24 11:32	12/09/24 12:31	1
4,4'-DDT	**1.5**	**J p**	9.0	1.5	ug/Kg	☼	12/04/24 11:32	12/09/24 12:31	1
Methoxychlor	ND		9.0	1.7	ug/Kg	☼	12/04/24 11:32	12/09/24 12:31	1
Endrin ketone	ND		9.0	0.63	ug/Kg	☼	12/04/24 11:32	12/09/24 12:31	1
Endrin aldehyde	ND		9.0	1.0	ug/Kg	☼	12/04/24 11:32	12/09/24 12:31	1
cis-Chlordane	**4.3**	**J p**	5.6	0.55	ug/Kg	☼	12/04/24 11:32	12/09/24 12:31	1
trans-Chlordane	**1.7**	**J p**	5.6	0.81	ug/Kg	☼	12/04/24 11:32	12/09/24 12:31	1
Toxaphene	ND		110	79	ug/Kg	☼	12/04/24 11:32	12/09/24 12:31	1
Alachlor	ND		5.6	1.6	ug/Kg	☼	12/04/24 11:32	12/09/24 12:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*40*		*30 - 150*	*12/04/24 11:32*	*12/09/24 12:31*	*1*
Tetrachloro-m-xylene	*42*		*30 - 150*	*12/04/24 11:32*	*12/09/24 12:31*	*1*
DCB Decachlorobiphenyl (Surr)	*35*		*30 - 150*	*12/04/24 11:32*	*12/09/24 12:31*	*1*
DCB Decachlorobiphenyl (Surr)	*31*		*30 - 150*	*12/04/24 11:32*	*12/09/24 12:31*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.62**	**J**	5.6	0.42	mg/Kg	☼	12/02/24 12:02	12/03/24 17:56	1
Arsenic	**1.7**		1.7	0.21	mg/Kg	☼	12/02/24 12:02	12/03/24 17:56	1
Beryllium	**0.085**	**J**	0.56	0.028	mg/Kg	☼	12/02/24 12:02	12/03/24 17:56	1
Barium	**9.4**		1.1	0.13	mg/Kg	☼	12/02/24 12:02	12/03/24 17:56	1
Cadmium	**0.17**	**J**	0.56	0.029	mg/Kg	☼	12/02/24 12:02	12/03/24 17:56	1
Chromium	**7.2**		1.1	0.15	mg/Kg	☼	12/02/24 12:02	12/03/24 17:56	1
Copper	**8.2**		1.1	0.27	mg/Kg	☼	12/02/24 12:02	12/03/24 17:56	1
Lead	**5.3**		1.7	0.24	mg/Kg	☼	12/02/24 12:02	12/03/24 17:56	1
Nickel	**7.5**		1.1	0.13	mg/Kg	☼	12/02/24 12:02	12/03/24 17:56	1
Selenium	ND		1.7	0.32	mg/Kg	☼	12/02/24 12:02	12/03/24 17:56	1
Silver	ND		1.7	0.18	mg/Kg	☼	12/02/24 12:02	12/03/24 17:56	1
Thallium	ND		3.3	1.2	mg/Kg	☼	12/02/24 12:02	12/03/24 17:56	1
Zinc	**19**		3.3	0.86	mg/Kg	☼	12/02/24 12:02	12/03/24 17:56	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.090**		0.049	0.0081	mg/Kg	☼	12/02/24 08:51	12/02/24 14:44	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-T2-A

Date Collected: 11/20/24 14:22
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-16

Matrix: Solid
Percent Solids: 83.3

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		0.00054	0.000052	ug/Kg	☼	12/04/24 11:32	12/09/24 12:47	1
beta-BHC	ND		0.00054	0.000070	ug/Kg	☼	12/04/24 11:32	12/09/24 12:47	1
delta-BHC	ND		0.00054	0.000090	ug/Kg	☼	12/04/24 11:32	12/09/24 12:47	1
gamma-BHC (Lindane)	ND		0.00022	0.000049	ug/Kg	☼	12/04/24 11:32	12/09/24 12:47	1
Heptachlor	ND		0.00054	0.000066	ug/Kg	☼	12/04/24 11:32	12/09/24 12:47	1
Aldrin	ND		0.00054	0.000051	ug/Kg	☼	12/04/24 11:32	12/09/24 12:47	1
Heptachlor epoxide	ND		0.00054	0.000056	ug/Kg	☼	12/04/24 11:32	12/09/24 12:47	1
Endosulfan I	ND		0.00054	0.000056	ug/Kg	☼	12/04/24 11:32	12/09/24 12:47	1
Dieldrin	ND		0.00054	0.000059	ug/Kg	☼	12/04/24 11:32	12/09/24 12:47	1
4,4'-DDE	ND		0.00086	0.000071	ug/Kg	☼	12/04/24 11:32	12/09/24 12:47	1
Endrin	ND		0.00086	0.000077	ug/Kg	☼	12/04/24 11:32	12/09/24 12:47	1
Endosulfan II	ND		0.00086	0.000056	ug/Kg	☼	12/04/24 11:32	12/09/24 12:47	1
4,4'-DDD	ND		0.00086	0.00012	ug/Kg	☼	12/04/24 11:32	12/09/24 12:47	1
Endosulfan sulfate	ND		0.00086	0.000057	ug/Kg	☼	12/04/24 11:32	12/09/24 12:47	1
4,4'-DDT	ND		0.00086	0.00014	ug/Kg	☼	12/04/24 11:32	12/09/24 12:47	1
Methoxychlor	ND		0.00086	0.00016	ug/Kg	☼	12/04/24 11:32	12/09/24 12:47	1
Endrin ketone	ND		0.00086	0.000061	ug/Kg	☼	12/04/24 11:32	12/09/24 12:47	1
Endrin aldehyde	**0.00016**	**J p**	0.00086	0.00010	ug/Kg	☼	12/04/24 11:32	12/09/24 12:47	1
cis-Chlordane	**0.000072**	**J p**	0.00054	0.000053	ug/Kg	☼	12/04/24 11:32	12/09/24 12:47	1
trans-Chlordane	**0.00011**	**J p**	0.00054	0.000078	ug/Kg	☼	12/04/24 11:32	12/09/24 12:47	1
Toxaphene	ND		0.011	0.0076	ug/Kg	☼	12/04/24 11:32	12/09/24 12:47	1
Alachlor	ND		0.00054	0.00016	ug/Kg	☼	12/04/24 11:32	12/09/24 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*68*		*30 - 150*	*12/04/24 11:32*	*12/09/24 12:47*	*1*
Tetrachloro-m-xylene	*68*		*30 - 150*	*12/04/24 11:32*	*12/09/24 12:47*	*1*
DCB Decachlorobiphenyl (Surr)	*55*		*30 - 150*	*12/04/24 11:32*	*12/09/24 12:47*	*1*
DCB Decachlorobiphenyl (Surr)	*39*		*30 - 150*	*12/04/24 11:32*	*12/09/24 12:47*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.49**	**J**	4.7	0.35	mg/Kg	☼	12/02/24 12:02	12/03/24 18:02	1
Arsenic	**2.3**		1.4	0.18	mg/Kg	☼	12/02/24 12:02	12/03/24 18:02	1
Beryllium	**0.089**	**J**	0.47	0.023	mg/Kg	☼	12/02/24 12:02	12/03/24 18:02	1
Barium	**8.6**		0.94	0.11	mg/Kg	☼	12/02/24 12:02	12/03/24 18:02	1
Cadmium	**0.18**	**J**	0.47	0.024	mg/Kg	☼	12/02/24 12:02	12/03/24 18:02	1
Chromium	**7.9**		0.94	0.12	mg/Kg	☼	12/02/24 12:02	12/03/24 18:02	1
Copper	**9.0**		0.94	0.22	mg/Kg	☼	12/02/24 12:02	12/03/24 18:02	1
Lead	**4.5**		1.4	0.20	mg/Kg	☼	12/02/24 12:02	12/03/24 18:02	1
Nickel	**10**		0.94	0.11	mg/Kg	☼	12/02/24 12:02	12/03/24 18:02	1
Selenium	ND		1.4	0.27	mg/Kg	☼	12/02/24 12:02	12/03/24 18:02	1
Silver	ND		1.4	0.15	mg/Kg	☼	12/02/24 12:02	12/03/24 18:02	1
Thallium	ND		2.8	1.0	mg/Kg	☼	12/02/24 12:02	12/03/24 18:02	1
Zinc	**23**		2.8	0.72	mg/Kg	☼	12/02/24 12:02	12/03/24 18:02	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.050**	**J**	0.052	0.0087	mg/Kg	☼	12/02/24 08:51	12/02/24 14:46	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-T2-B

Date Collected: 11/20/24 14:18
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-17

Matrix: Solid
Percent Solids: 82.6

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.7	0.54	ug/Kg	☼	12/04/24 11:32	12/09/24 13:03	1
beta-BHC	ND		5.7	0.74	ug/Kg	☼	12/04/24 11:32	12/09/24 13:03	1
delta-BHC	ND		5.7	0.94	ug/Kg	☼	12/04/24 11:32	12/09/24 13:03	1
gamma-BHC (Lindane)	ND		2.3	0.51	ug/Kg	☼	12/04/24 11:32	12/09/24 13:03	1
Heptachlor	ND		5.7	0.69	ug/Kg	☼	12/04/24 11:32	12/09/24 13:03	1
Aldrin	ND		5.7	0.53	ug/Kg	☼	12/04/24 11:32	12/09/24 13:03	1
Heptachlor epoxide	ND		5.7	0.59	ug/Kg	☼	12/04/24 11:32	12/09/24 13:03	1
Endosulfan I	ND		5.7	0.59	ug/Kg	☼	12/04/24 11:32	12/09/24 13:03	1
Dieldrin	ND		5.7	0.62	ug/Kg	☼	12/04/24 11:32	12/09/24 13:03	1
4,4'-DDE	ND		9.1	0.75	ug/Kg	☼	12/04/24 11:32	12/09/24 13:03	1
Endrin	ND		9.1	0.81	ug/Kg	☼	12/04/24 11:32	12/09/24 13:03	1
Endosulfan II	ND		9.1	0.59	ug/Kg	☼	12/04/24 11:32	12/09/24 13:03	1
4,4'-DDD	ND		9.1	1.3	ug/Kg	☼	12/04/24 11:32	12/09/24 13:03	1
Endosulfan sulfate	ND		9.1	0.60	ug/Kg	☼	12/04/24 11:32	12/09/24 13:03	1
4,4'-DDT	ND		9.1	1.5	ug/Kg	☼	12/04/24 11:32	12/09/24 13:03	1
Methoxychlor	ND		9.1	1.7	ug/Kg	☼	12/04/24 11:32	12/09/24 13:03	1
Endrin ketone	ND		9.1	0.64	ug/Kg	☼	12/04/24 11:32	12/09/24 13:03	1
Endrin aldehyde	ND		9.1	1.1	ug/Kg	☼	12/04/24 11:32	12/09/24 13:03	1
cis-Chlordane	ND		5.7	0.56	ug/Kg	☼	12/04/24 11:32	12/09/24 13:03	1
trans-Chlordane	ND		5.7	0.82	ug/Kg	☼	12/04/24 11:32	12/09/24 13:03	1
Toxaphene	ND		110	80	ug/Kg	☼	12/04/24 11:32	12/09/24 13:03	1
Alachlor	ND		5.7	1.6	ug/Kg	☼	12/04/24 11:32	12/09/24 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*40*		*30 - 150*	*12/04/24 11:32*	*12/09/24 13:03*	*1*
Tetrachloro-m-xylene	*42*		*30 - 150*	*12/04/24 11:32*	*12/09/24 13:03*	*1*
DCB Decachlorobiphenyl (Surr)	*32*		*30 - 150*	*12/04/24 11:32*	*12/09/24 13:03*	*1*
DCB Decachlorobiphenyl (Surr)	*36*		*30 - 150*	*12/04/24 11:32*	*12/09/24 13:03*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		6.1	0.46	mg/Kg	☼	12/02/24 12:02	12/03/24 16:44	1
Arsenic	**1.6**	**J**	1.8	0.23	mg/Kg	☼	12/02/24 12:02	12/03/24 16:44	1
Beryllium	**0.094**	**J**	0.61	0.031	mg/Kg	☼	12/02/24 12:02	12/03/24 16:44	1
Barium	**9.9**		1.2	0.14	mg/Kg	☼	12/02/24 12:02	12/03/24 16:44	1
Cadmium	**0.18**	**J**	0.61	0.032	mg/Kg	☼	12/02/24 12:02	12/03/24 16:44	1
Chromium	**7.9**		1.2	0.16	mg/Kg	☼	12/02/24 12:02	12/03/24 16:44	1
Copper	**6.5**		1.2	0.29	mg/Kg	☼	12/02/24 12:02	12/03/24 16:44	1
Lead	**4.5**		1.8	0.26	mg/Kg	☼	12/02/24 12:02	12/03/24 16:44	1
Nickel	**8.6**		1.2	0.14	mg/Kg	☼	12/02/24 12:02	12/03/24 16:44	1
Selenium	ND		1.8	0.35	mg/Kg	☼	12/02/24 12:02	12/03/24 16:44	1
Silver	ND		1.8	0.20	mg/Kg	☼	12/02/24 12:02	12/03/24 16:44	1
Thallium	ND		3.7	1.3	mg/Kg	☼	12/02/24 12:02	12/03/24 16:44	1
Zinc	**17**		3.7	0.94	mg/Kg	☼	12/02/24 12:02	12/03/24 16:44	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.037**	**J**	0.056	0.0094	mg/Kg	☼	12/02/24 08:51	12/02/24 14:48	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-T2-C

Date Collected: 11/20/24 14:26
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-18

Matrix: Solid
Percent Solids: 82.6

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.9	0.56	ug/Kg	☼	12/04/24 11:32	12/09/24 13:19	1
beta-BHC	ND		5.9	0.76	ug/Kg	☼	12/04/24 11:32	12/09/24 13:19	1
delta-BHC	ND		5.9	0.98	ug/Kg	☼	12/04/24 11:32	12/09/24 13:19	1
gamma-BHC (Lindane)	ND		2.4	0.53	ug/Kg	☼	12/04/24 11:32	12/09/24 13:19	1
Heptachlor	ND		5.9	0.72	ug/Kg	☼	12/04/24 11:32	12/09/24 13:19	1
Aldrin	ND		5.9	0.55	ug/Kg	☼	12/04/24 11:32	12/09/24 13:19	1
Heptachlor epoxide	ND		5.9	0.61	ug/Kg	☼	12/04/24 11:32	12/09/24 13:19	1
Endosulfan I	ND		5.9	0.61	ug/Kg	☼	12/04/24 11:32	12/09/24 13:19	1
Dieldrin	ND		5.9	0.65	ug/Kg	☼	12/04/24 11:32	12/09/24 13:19	1
4,4'-DDE	ND		9.4	0.78	ug/Kg	☼	12/04/24 11:32	12/09/24 13:19	1
Endrin	ND		9.4	0.84	ug/Kg	☼	12/04/24 11:32	12/09/24 13:19	1
Endosulfan II	ND		9.4	0.61	ug/Kg	☼	12/04/24 11:32	12/09/24 13:19	1
4,4'-DDD	ND		9.4	1.4	ug/Kg	☼	12/04/24 11:32	12/09/24 13:19	1
Endosulfan sulfate	ND		9.4	0.62	ug/Kg	☼	12/04/24 11:32	12/09/24 13:19	1
4,4'-DDT	ND		9.4	1.5	ug/Kg	☼	12/04/24 11:32	12/09/24 13:19	1
Methoxychlor	ND		9.4	1.8	ug/Kg	☼	12/04/24 11:32	12/09/24 13:19	1
Endrin ketone	ND		9.4	0.66	ug/Kg	☼	12/04/24 11:32	12/09/24 13:19	1
Endrin aldehyde	**1.8**	**J p**	9.4	1.1	ug/Kg	☼	12/04/24 11:32	12/09/24 13:19	1
cis-Chlordane	ND		5.9	0.58	ug/Kg	☼	12/04/24 11:32	12/09/24 13:19	1
trans-Chlordane	**1.3**	**J p**	5.9	0.85	ug/Kg	☼	12/04/24 11:32	12/09/24 13:19	1
Toxaphene	ND		120	83	ug/Kg	☼	12/04/24 11:32	12/09/24 13:19	1
Alachlor	ND		5.9	1.7	ug/Kg	☼	12/04/24 11:32	12/09/24 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*37*		*30 - 150*	*12/04/24 11:32*	*12/09/24 13:19*	*1*
Tetrachloro-m-xylene	*38*		*30 - 150*	*12/04/24 11:32*	*12/09/24 13:19*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*30 - 150*	*12/04/24 11:32*	*12/09/24 13:19*	*1*
DCB Decachlorobiphenyl (Surr)	*38*	*p*	*30 - 150*	*12/04/24 11:32*	*12/09/24 13:19*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		11	0.82	mg/Kg	☼	12/03/24 12:46	12/04/24 17:56	2
Arsenic	**4.3**		3.3	0.41	mg/Kg	☼	12/03/24 12:46	12/04/24 17:56	2
Beryllium	**0.16**	**J**	1.1	0.055	mg/Kg	☼	12/03/24 12:46	12/04/24 17:56	2
Barium	**13**		2.2	0.26	mg/Kg	☼	12/03/24 12:46	12/04/24 17:56	2
Cadmium	**0.29**	**J**	1.1	0.056	mg/Kg	☼	12/03/24 12:46	12/04/24 17:56	2
Chromium	**16**		2.2	0.29	mg/Kg	☼	12/03/24 12:46	12/04/24 17:56	2
Copper	**18**		2.2	0.52	mg/Kg	☼	12/03/24 12:46	12/04/24 17:56	2
Lead	**7.5**		3.3	0.46	mg/Kg	☼	12/03/24 12:46	12/04/24 17:56	2
Nickel	**15**		2.2	0.25	mg/Kg	☼	12/03/24 12:46	12/04/24 17:56	2
Selenium	ND		3.3	0.62	mg/Kg	☼	12/03/24 12:46	12/04/24 17:56	2
Silver	ND		3.3	0.35	mg/Kg	☼	12/03/24 12:46	12/04/24 17:56	2
Thallium	ND		6.5	2.4	mg/Kg	☼	12/03/24 12:46	12/04/24 17:56	2
Zinc	**34**		6.5	1.7	mg/Kg	☼	12/03/24 12:46	12/04/24 17:56	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.040**	**J**	0.051	0.0085	mg/Kg	☼	12/02/24 08:51	12/02/24 14:51	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-G2-A

Date Collected: 11/21/24 09:06
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-19

Matrix: Solid
Percent Solids: 91.3

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.1	0.49	ug/Kg	☼	12/04/24 11:32	12/09/24 13:35	1
beta-BHC	ND		5.1	0.67	ug/Kg	☼	12/04/24 11:32	12/09/24 13:35	1
delta-BHC	ND		5.1	0.85	ug/Kg	☼	12/04/24 11:32	12/09/24 13:35	1
gamma-BHC (Lindane)	ND		2.0	0.46	ug/Kg	☼	12/04/24 11:32	12/09/24 13:35	1
Heptachlor	ND		5.1	0.63	ug/Kg	☼	12/04/24 11:32	12/09/24 13:35	1
Aldrin	ND		5.1	0.48	ug/Kg	☼	12/04/24 11:32	12/09/24 13:35	1
Heptachlor epoxide	**41**		5.1	0.53	ug/Kg	☼	12/04/24 11:32	12/09/24 13:35	1
Endosulfan I	ND		5.1	0.53	ug/Kg	☼	12/04/24 11:32	12/09/24 13:35	1
Dieldrin	ND		5.1	0.56	ug/Kg	☼	12/04/24 11:32	12/09/24 13:35	1
4,4'-DDE	ND		8.2	0.68	ug/Kg	☼	12/04/24 11:32	12/09/24 13:35	1
Endrin	ND		8.2	0.73	ug/Kg	☼	12/04/24 11:32	12/09/24 13:35	1
Endosulfan II	ND		8.2	0.53	ug/Kg	☼	12/04/24 11:32	12/09/24 13:35	1
4,4'-DDD	ND		8.2	1.2	ug/Kg	☼	12/04/24 11:32	12/09/24 13:35	1
Endosulfan sulfate	ND		8.2	0.54	ug/Kg	☼	12/04/24 11:32	12/09/24 13:35	1
4,4'-DDT	**5.4**	**J p**	8.2	1.3	ug/Kg	☼	12/04/24 11:32	12/09/24 13:35	1
Methoxychlor	ND		8.2	1.6	ug/Kg	☼	12/04/24 11:32	12/09/24 13:35	1
Endrin ketone	ND		8.2	0.57	ug/Kg	☼	12/04/24 11:32	12/09/24 13:35	1
Endrin aldehyde	ND		8.2	0.95	ug/Kg	☼	12/04/24 11:32	12/09/24 13:35	1
cis-Chlordane	**270**	**p**	26	2.5	ug/Kg	☼	12/04/24 11:32	12/11/24 12:56	5
trans-Chlordane	**170**		26	3.7	ug/Kg	☼	12/04/24 11:32	12/11/24 12:56	5
Toxaphene	ND		100	72	ug/Kg	☼	12/04/24 11:32	12/09/24 13:35	1
Alachlor	ND		5.1	1.5	ug/Kg	☼	12/04/24 11:32	12/09/24 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*79*		*30 - 150*	*12/04/24 11:32*	*12/09/24 13:35*	*1*
Tetrachloro-m-xylene	*74*		*30 - 150*	*12/04/24 11:32*	*12/09/24 13:35*	*1*
DCB Decachlorobiphenyl (Surr)	*115*		*30 - 150*	*12/04/24 11:32*	*12/09/24 13:35*	*1*
DCB Decachlorobiphenyl (Surr)	*70*	*p*	*30 - 150*	*12/04/24 11:32*	*12/09/24 13:35*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.92**	**J**	9.6	0.72	mg/Kg	☼	12/03/24 12:46	12/04/24 18:02	2
Arsenic	**34**		2.9	0.36	mg/Kg	☼	12/03/24 12:46	12/04/24 18:02	2
Beryllium	**0.14**	**J**	0.96	0.048	mg/Kg	☼	12/03/24 12:46	12/04/24 18:02	2
Barium	**11**		1.9	0.23	mg/Kg	☼	12/03/24 12:46	12/04/24 18:02	2
Cadmium	**0.35**	**J**	0.96	0.050	mg/Kg	☼	12/03/24 12:46	12/04/24 18:02	2
Chromium	**22**		1.9	0.25	mg/Kg	☼	12/03/24 12:46	12/04/24 18:02	2
Copper	**17**		1.9	0.46	mg/Kg	☼	12/03/24 12:46	12/04/24 18:02	2
Lead	**110**		2.9	0.41	mg/Kg	☼	12/03/24 12:46	12/04/24 18:02	2
Nickel	**15**		1.9	0.22	mg/Kg	☼	12/03/24 12:46	12/04/24 18:02	2
Selenium	ND		2.9	0.55	mg/Kg	☼	12/03/24 12:46	12/04/24 18:02	2
Silver	ND		2.9	0.31	mg/Kg	☼	12/03/24 12:46	12/04/24 18:02	2
Thallium	ND		5.7	2.1	mg/Kg	☼	12/03/24 12:46	12/04/24 18:02	2
Zinc	**36**		5.7	1.5	mg/Kg	☼	12/03/24 12:46	12/04/24 18:02	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**6.5**		0.43	0.072	mg/Kg	☼	12/02/24 08:51	12/02/24 16:01	10

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-G2-B

Date Collected: 11/21/24 09:05
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-20

Matrix: Solid
Percent Solids: 91.3

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		4.9	0.47	ug/Kg	☼	12/04/24 11:32	12/09/24 13:51	1
beta-BHC	ND		4.9	0.64	ug/Kg	☼	12/04/24 11:32	12/09/24 13:51	1
delta-BHC	ND		4.9	0.81	ug/Kg	☼	12/04/24 11:32	12/09/24 13:51	1
gamma-BHC (Lindane)	ND		2.0	0.44	ug/Kg	☼	12/04/24 11:32	12/09/24 13:51	1
Heptachlor	ND		4.9	0.60	ug/Kg	☼	12/04/24 11:32	12/09/24 13:51	1
Aldrin	ND		4.9	0.46	ug/Kg	☼	12/04/24 11:32	12/09/24 13:51	1
Heptachlor epoxide	**36**		4.9	0.51	ug/Kg	☼	12/04/24 11:32	12/09/24 13:51	1
Endosulfan I	ND		4.9	0.51	ug/Kg	☼	12/04/24 11:32	12/09/24 13:51	1
Dieldrin	ND		4.9	0.54	ug/Kg	☼	12/04/24 11:32	12/09/24 13:51	1
4,4'-DDE	ND		7.8	0.65	ug/Kg	☼	12/04/24 11:32	12/09/24 13:51	1
Endrin	ND		7.8	0.69	ug/Kg	☼	12/04/24 11:32	12/09/24 13:51	1
Endosulfan II	ND		7.8	0.51	ug/Kg	☼	12/04/24 11:32	12/09/24 13:51	1
4,4'-DDD	ND		7.8	1.1	ug/Kg	☼	12/04/24 11:32	12/09/24 13:51	1
Endosulfan sulfate	ND		7.8	0.52	ug/Kg	☼	12/04/24 11:32	12/09/24 13:51	1
4,4'-DDT	**4.1**	**J p**	7.8	1.3	ug/Kg	☼	12/04/24 11:32	12/09/24 13:51	1
Methoxychlor	ND		7.8	1.5	ug/Kg	☼	12/04/24 11:32	12/09/24 13:51	1
Endrin ketone	ND		7.8	0.55	ug/Kg	☼	12/04/24 11:32	12/09/24 13:51	1
Endrin aldehyde	ND		7.8	0.91	ug/Kg	☼	12/04/24 11:32	12/09/24 13:51	1
cis-Chlordane	**320**	**p**	24	2.4	ug/Kg	☼	12/04/24 11:32	12/11/24 13:12	5
trans-Chlordane	**210**		24	3.5	ug/Kg	☼	12/04/24 11:32	12/11/24 13:12	5
Toxaphene	ND		98	69	ug/Kg	☼	12/04/24 11:32	12/09/24 13:51	1
Alachlor	ND		4.9	1.4	ug/Kg	☼	12/04/24 11:32	12/09/24 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*62*		*30 - 150*	*12/04/24 11:32*	*12/09/24 13:51*	*1*
Tetrachloro-m-xylene	*61*		*30 - 150*	*12/04/24 11:32*	*12/09/24 13:51*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*30 - 150*	*12/04/24 11:32*	*12/09/24 13:51*	*1*
DCB Decachlorobiphenyl (Surr)	*48*	*p*	*30 - 150*	*12/04/24 11:32*	*12/09/24 13:51*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.0	0.68	mg/Kg	☼	12/03/24 12:46	12/04/24 18:08	2
Arsenic	**23**		2.7	0.34	mg/Kg	☼	12/03/24 12:46	12/04/24 18:08	2
Beryllium	**0.14**	**J**	0.90	0.045	mg/Kg	☼	12/03/24 12:46	12/04/24 18:08	2
Barium	**11**		1.8	0.21	mg/Kg	☼	12/03/24 12:46	12/04/24 18:08	2
Cadmium	**0.36**	**J**	0.90	0.047	mg/Kg	☼	12/03/24 12:46	12/04/24 18:08	2
Chromium	**25**		1.8	0.24	mg/Kg	☼	12/03/24 12:46	12/04/24 18:08	2
Copper	**17**		1.8	0.43	mg/Kg	☼	12/03/24 12:46	12/04/24 18:08	2
Lead	**87**		2.7	0.38	mg/Kg	☼	12/03/24 12:46	12/04/24 18:08	2
Nickel	**17**		1.8	0.21	mg/Kg	☼	12/03/24 12:46	12/04/24 18:08	2
Selenium	ND		2.7	0.51	mg/Kg	☼	12/03/24 12:46	12/04/24 18:08	2
Silver	ND		2.7	0.29	mg/Kg	☼	12/03/24 12:46	12/04/24 18:08	2
Thallium	ND		5.4	2.0	mg/Kg	☼	12/03/24 12:46	12/04/24 18:08	2
Zinc	**37**		5.4	1.4	mg/Kg	☼	12/03/24 12:46	12/04/24 18:08	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**7.1**		0.50	0.084	mg/Kg	☼	12/02/24 08:51	12/02/24 16:03	10

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-G2-C

Date Collected: 11/21/24 09:04
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-21

Matrix: Solid
Percent Solids: 91.2

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.5	0.53	ug/Kg	☼	12/04/24 11:32	12/09/24 14:07	1
beta-BHC	ND		5.5	0.71	ug/Kg	☼	12/04/24 11:32	12/09/24 14:07	1
delta-BHC	ND		5.5	0.91	ug/Kg	☼	12/04/24 11:32	12/09/24 14:07	1
gamma-BHC (Lindane)	ND		2.2	0.49	ug/Kg	☼	12/04/24 11:32	12/09/24 14:07	1
Heptachlor	ND		5.5	0.67	ug/Kg	☼	12/04/24 11:32	12/09/24 14:07	1
Aldrin	ND		5.5	0.51	ug/Kg	☼	12/04/24 11:32	12/09/24 14:07	1
Heptachlor epoxide	**41**		5.5	0.57	ug/Kg	☼	12/04/24 11:32	12/09/24 14:07	1
Endosulfan I	ND		5.5	0.57	ug/Kg	☼	12/04/24 11:32	12/09/24 14:07	1
Dieldrin	ND		5.5	0.60	ug/Kg	☼	12/04/24 11:32	12/09/24 14:07	1
4,4'-DDE	ND		8.8	0.72	ug/Kg	☼	12/04/24 11:32	12/09/24 14:07	1
Endrin	ND		8.8	0.78	ug/Kg	☼	12/04/24 11:32	12/09/24 14:07	1
Endosulfan II	ND		8.8	0.57	ug/Kg	☼	12/04/24 11:32	12/09/24 14:07	1
4,4'-DDD	ND		8.8	1.3	ug/Kg	☼	12/04/24 11:32	12/09/24 14:07	1
Endosulfan sulfate	ND		8.8	0.58	ug/Kg	☼	12/04/24 11:32	12/09/24 14:07	1
4,4'-DDT	**5.9**	**J p**	8.8	1.4	ug/Kg	☼	12/04/24 11:32	12/09/24 14:07	1
Methoxychlor	ND		8.8	1.7	ug/Kg	☼	12/04/24 11:32	12/09/24 14:07	1
Endrin ketone	ND		8.8	0.61	ug/Kg	☼	12/04/24 11:32	12/09/24 14:07	1
Endrin aldehyde	ND		8.8	1.0	ug/Kg	☼	12/04/24 11:32	12/09/24 14:07	1
cis-Chlordane	**360**	**p**	27	2.7	ug/Kg	☼	12/04/24 11:32	12/11/24 13:28	5
trans-Chlordane	**220**		27	3.9	ug/Kg	☼	12/04/24 11:32	12/11/24 13:28	5
Toxaphene	ND		110	77	ug/Kg	☼	12/04/24 11:32	12/09/24 14:07	1
Alachlor	ND		5.5	1.6	ug/Kg	☼	12/04/24 11:32	12/09/24 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*30 - 150*	*12/04/24 11:32*	*12/09/24 14:07*	*1*
Tetrachloro-m-xylene	*64*		*30 - 150*	*12/04/24 11:32*	*12/09/24 14:07*	*1*
DCB Decachlorobiphenyl (Surr)	*191*	*S1+*	*30 - 150*	*12/04/24 11:32*	*12/09/24 14:07*	*1*
DCB Decachlorobiphenyl (Surr)	*96*	*p*	*30 - 150*	*12/04/24 11:32*	*12/09/24 14:07*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.79**	**J**	8.5	0.64	mg/Kg	☼	12/03/24 12:46	12/04/24 18:26	2
Arsenic	**14**		2.6	0.32	mg/Kg	☼	12/03/24 12:46	12/04/24 18:26	2
Beryllium	**0.11**	**J**	0.85	0.043	mg/Kg	☼	12/03/24 12:46	12/04/24 18:26	2
Barium	**8.1**		1.7	0.20	mg/Kg	☼	12/03/24 12:46	12/04/24 18:26	2
Cadmium	**0.27**	**J**	0.85	0.044	mg/Kg	☼	12/03/24 12:46	12/04/24 18:26	2
Chromium	**15**		1.7	0.23	mg/Kg	☼	12/03/24 12:46	12/04/24 18:26	2
Copper	**13**		1.7	0.41	mg/Kg	☼	12/03/24 12:46	12/04/24 18:26	2
Lead	**74**		2.6	0.36	mg/Kg	☼	12/03/24 12:46	12/04/24 18:26	2
Nickel	**11**		1.7	0.20	mg/Kg	☼	12/03/24 12:46	12/04/24 18:26	2
Selenium	ND		2.6	0.49	mg/Kg	☼	12/03/24 12:46	12/04/24 18:26	2
Silver	ND		2.6	0.28	mg/Kg	☼	12/03/24 12:46	12/04/24 18:26	2
Thallium	ND		5.1	1.9	mg/Kg	☼	12/03/24 12:46	12/04/24 18:26	2
Zinc	**30**		5.1	1.3	mg/Kg	☼	12/03/24 12:46	12/04/24 18:26	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**4.2**		0.47	0.077	mg/Kg	☼	12/02/24 08:51	12/02/24 16:05	10

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-F2-A
Date Collected: 11/21/24 14:50
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-22
Matrix: Solid
Percent Solids: 93.0

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.3	0.51	ug/Kg	☼	12/04/24 11:32	12/09/24 14:23	1
beta-BHC	ND		5.3	0.69	ug/Kg	☼	12/04/24 11:32	12/09/24 14:23	1
delta-BHC	ND		5.3	0.89	ug/Kg	☼	12/04/24 11:32	12/09/24 14:23	1
gamma-BHC (Lindane)	ND		2.1	0.48	ug/Kg	☼	12/04/24 11:32	12/09/24 14:23	1
Heptachlor	ND		5.3	0.65	ug/Kg	☼	12/04/24 11:32	12/09/24 14:23	1
Aldrin	ND		5.3	0.50	ug/Kg	☼	12/04/24 11:32	12/09/24 14:23	1
Heptachlor epoxide	ND		5.3	0.56	ug/Kg	☼	12/04/24 11:32	12/09/24 14:23	1
Endosulfan I	ND		5.3	0.56	ug/Kg	☼	12/04/24 11:32	12/09/24 14:23	1
Dieldrin	ND		5.3	0.59	ug/Kg	☼	12/04/24 11:32	12/09/24 14:23	1
4,4'-DDE	ND		8.5	0.71	ug/Kg	☼	12/04/24 11:32	12/09/24 14:23	1
Endrin	ND		8.5	0.76	ug/Kg	☼	12/04/24 11:32	12/09/24 14:23	1
Endosulfan II	ND		8.5	0.56	ug/Kg	☼	12/04/24 11:32	12/09/24 14:23	1
4,4'-DDD	ND		8.5	1.2	ug/Kg	☼	12/04/24 11:32	12/09/24 14:23	1
Endosulfan sulfate	ND		8.5	0.57	ug/Kg	☼	12/04/24 11:32	12/09/24 14:23	1
4,4'-DDT	ND		8.5	1.4	ug/Kg	☼	12/04/24 11:32	12/09/24 14:23	1
Methoxychlor	ND		8.5	1.6	ug/Kg	☼	12/04/24 11:32	12/09/24 14:23	1
Endrin ketone	ND		8.5	0.60	ug/Kg	☼	12/04/24 11:32	12/09/24 14:23	1
Endrin aldehyde	ND		8.5	0.99	ug/Kg	☼	12/04/24 11:32	12/09/24 14:23	1
cis-Chlordane	**0.75**	**J p**	5.3	0.52	ug/Kg	☼	12/04/24 11:32	12/09/24 14:23	1
trans-Chlordane	ND		5.3	0.77	ug/Kg	☼	12/04/24 11:32	12/09/24 14:23	1
Toxaphene	ND		110	75	ug/Kg	☼	12/04/24 11:32	12/09/24 14:23	1
Alachlor	ND		5.3	1.5	ug/Kg	☼	12/04/24 11:32	12/09/24 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*81*		*30 - 150*	*12/04/24 11:32*	*12/09/24 14:23*	*1*
Tetrachloro-m-xylene	*79*		*30 - 150*	*12/04/24 11:32*	*12/09/24 14:23*	*1*
DCB Decachlorobiphenyl (Surr)	*250*	*S1+*	*30 - 150*	*12/04/24 11:32*	*12/09/24 14:23*	*1*
DCB Decachlorobiphenyl (Surr)	*72*	*p*	*30 - 150*	*12/04/24 11:32*	*12/09/24 14:23*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15	1.2	mg/Kg	☼	12/03/24 12:46	12/04/24 18:32	4
Arsenic	**5.1**		4.6	0.59	mg/Kg	☼	12/03/24 12:46	12/04/24 18:32	4
Beryllium	**0.31**	**J**	1.5	0.078	mg/Kg	☼	12/03/24 12:46	12/04/24 18:32	4
Barium	**30**		3.1	0.36	mg/Kg	☼	12/03/24 12:46	12/04/24 18:32	4
Cadmium	**0.44**	**J**	1.5	0.080	mg/Kg	☼	12/03/24 12:46	12/04/24 18:32	4
Chromium	**20**		3.1	0.41	mg/Kg	☼	12/03/24 12:46	12/04/24 18:32	4
Copper	**23**		3.1	0.74	mg/Kg	☼	12/03/24 12:46	12/04/24 18:32	4
Lead	**13**		4.6	0.66	mg/Kg	☼	12/03/24 12:46	12/04/24 18:32	4
Nickel	**24**		3.1	0.36	mg/Kg	☼	12/03/24 12:46	12/04/24 18:32	4
Selenium	ND		4.6	0.88	mg/Kg	☼	12/03/24 12:46	12/04/24 18:32	4
Silver	ND		4.6	0.50	mg/Kg	☼	12/03/24 12:46	12/04/24 18:32	4
Thallium	ND		9.3	3.4	mg/Kg	☼	12/03/24 12:46	12/04/24 18:32	4
Zinc	**54**		9.3	2.4	mg/Kg	☼	12/03/24 12:46	12/04/24 18:32	4

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.047**		0.043	0.0072	mg/Kg	☼	12/02/24 08:51	12/02/24 14:58	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-F2-B

Date Collected: 11/22/24 14:51
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-23

Matrix: Solid
Percent Solids: 93.0

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.2	0.50	ug/Kg	☼	12/06/24 15:52	12/10/24 13:17	1
beta-BHC	ND		5.2	0.67	ug/Kg	☼	12/06/24 15:52	12/10/24 13:17	1
delta-BHC	ND		5.2	0.86	ug/Kg	☼	12/06/24 15:52	12/10/24 13:17	1
gamma-BHC (Lindane)	ND		2.1	0.47	ug/Kg	☼	12/06/24 15:52	12/10/24 13:17	1
Heptachlor	ND		5.2	0.63	ug/Kg	☼	12/06/24 15:52	12/10/24 13:17	1
Aldrin	ND		5.2	0.49	ug/Kg	☼	12/06/24 15:52	12/10/24 13:17	1
Heptachlor epoxide	ND		5.2	0.54	ug/Kg	☼	12/06/24 15:52	12/10/24 13:17	1
Endosulfan I	ND		5.2	0.54	ug/Kg	☼	12/06/24 15:52	12/10/24 13:17	1
Dieldrin	ND		5.2	0.57	ug/Kg	☼	12/06/24 15:52	12/10/24 13:17	1
4,4'-DDE	ND		8.3	0.68	ug/Kg	☼	12/06/24 15:52	12/10/24 13:17	1
Endrin	ND		8.3	0.73	ug/Kg	☼	12/06/24 15:52	12/10/24 13:17	1
Endosulfan II	ND		8.3	0.54	ug/Kg	☼	12/06/24 15:52	12/10/24 13:17	1
4,4'-DDD	ND		8.3	1.2	ug/Kg	☼	12/06/24 15:52	12/10/24 13:17	1
Endosulfan sulfate	ND		8.3	0.55	ug/Kg	☼	12/06/24 15:52	12/10/24 13:17	1
4,4'-DDT	**1.6**	**J p**	8.3	1.4	ug/Kg	☼	12/06/24 15:52	12/10/24 13:17	1
Methoxychlor	ND		8.3	1.6	ug/Kg	☼	12/06/24 15:52	12/10/24 13:17	1
Endrin ketone	ND		8.3	0.58	ug/Kg	☼	12/06/24 15:52	12/10/24 13:17	1
Endrin aldehyde	ND		8.3	0.96	ug/Kg	☼	12/06/24 15:52	12/10/24 13:17	1
cis-Chlordane	ND		5.2	0.51	ug/Kg	☼	12/06/24 15:52	12/10/24 13:17	1
trans-Chlordane	ND		5.2	0.74	ug/Kg	☼	12/06/24 15:52	12/10/24 13:17	1
Toxaphene	ND		100	73	ug/Kg	☼	12/06/24 15:52	12/10/24 13:17	1
Alachlor	ND		5.2	1.5	ug/Kg	☼	12/06/24 15:52	12/10/24 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*30 - 150*	*12/06/24 15:52*	*12/10/24 13:17*	*1*
Tetrachloro-m-xylene	*97*		*30 - 150*	*12/06/24 15:52*	*12/10/24 13:17*	*1*
DCB Decachlorobiphenyl (Surr)	*111*		*30 - 150*	*12/06/24 15:52*	*12/10/24 13:17*	*1*
DCB Decachlorobiphenyl (Surr)	*71*	*p*	*30 - 150*	*12/06/24 15:52*	*12/10/24 13:17*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15	1.1	mg/Kg	☼	12/03/24 12:46	12/04/24 18:38	4
Arsenic	**2.0**	**J**	4.5	0.57	mg/Kg	☼	12/03/24 12:46	12/04/24 18:38	4
Beryllium	**0.25**	**J**	1.5	0.075	mg/Kg	☼	12/03/24 12:46	12/04/24 18:38	4
Barium	**20**		3.0	0.35	mg/Kg	☼	12/03/24 12:46	12/04/24 18:38	4
Cadmium	**0.33**	**J**	1.5	0.077	mg/Kg	☼	12/03/24 12:46	12/04/24 18:38	4
Chromium	**20**		3.0	0.40	mg/Kg	☼	12/03/24 12:46	12/04/24 18:38	4
Copper	**19**		3.0	0.72	mg/Kg	☼	12/03/24 12:46	12/04/24 18:38	4
Lead	**10**		4.5	0.63	mg/Kg	☼	12/03/24 12:46	12/04/24 18:38	4
Nickel	**22**		3.0	0.34	mg/Kg	☼	12/03/24 12:46	12/04/24 18:38	4
Selenium	ND		4.5	0.85	mg/Kg	☼	12/03/24 12:46	12/04/24 18:38	4
Silver	ND		4.5	0.48	mg/Kg	☼	12/03/24 12:46	12/04/24 18:38	4
Thallium	ND		9.0	3.3	mg/Kg	☼	12/03/24 12:46	12/04/24 18:38	4
Zinc	**43**		9.0	2.3	mg/Kg	☼	12/03/24 12:46	12/04/24 18:38	4

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.043**	**J**	0.048	0.0080	mg/Kg	☼	12/02/24 08:51	12/02/24 15:00	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-F2-C

Date Collected: 11/22/24 14:52
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-24

Matrix: Solid
Percent Solids: 93.4

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.1	0.49	ug/Kg	☼	12/06/24 15:52	12/10/24 13:33	1
beta-BHC	ND		5.1	0.67	ug/Kg	☼	12/06/24 15:52	12/10/24 13:33	1
delta-BHC	ND		5.1	0.85	ug/Kg	☼	12/06/24 15:52	12/10/24 13:33	1
gamma-BHC (Lindane)	ND		2.1	0.46	ug/Kg	☼	12/06/24 15:52	12/10/24 13:33	1
Heptachlor	ND		5.1	0.63	ug/Kg	☼	12/06/24 15:52	12/10/24 13:33	1
Aldrin	ND		5.1	0.48	ug/Kg	☼	12/06/24 15:52	12/10/24 13:33	1
Heptachlor epoxide	ND		5.1	0.53	ug/Kg	☼	12/06/24 15:52	12/10/24 13:33	1
Endosulfan I	ND		5.1	0.53	ug/Kg	☼	12/06/24 15:52	12/10/24 13:33	1
Dieldrin	ND		5.1	0.57	ug/Kg	☼	12/06/24 15:52	12/10/24 13:33	1
4,4'-DDE	ND		8.2	0.68	ug/Kg	☼	12/06/24 15:52	12/10/24 13:33	1
Endrin	ND		8.2	0.73	ug/Kg	☼	12/06/24 15:52	12/10/24 13:33	1
Endosulfan II	ND		8.2	0.53	ug/Kg	☼	12/06/24 15:52	12/10/24 13:33	1
4,4'-DDD	ND		8.2	1.2	ug/Kg	☼	12/06/24 15:52	12/10/24 13:33	1
Endosulfan sulfate	ND		8.2	0.54	ug/Kg	☼	12/06/24 15:52	12/10/24 13:33	1
4,4'-DDT	ND		8.2	1.3	ug/Kg	☼	12/06/24 15:52	12/10/24 13:33	1
Methoxychlor	ND		8.2	1.6	ug/Kg	☼	12/06/24 15:52	12/10/24 13:33	1
Endrin ketone	ND		8.2	0.58	ug/Kg	☼	12/06/24 15:52	12/10/24 13:33	1
Endrin aldehyde	ND		8.2	0.96	ug/Kg	☼	12/06/24 15:52	12/10/24 13:33	1
cis-Chlordane	**0.57**	**J p**	5.1	0.50	ug/Kg	☼	12/06/24 15:52	12/10/24 13:33	1
trans-Chlordane	ND		5.1	0.74	ug/Kg	☼	12/06/24 15:52	12/10/24 13:33	1
Toxaphene	ND		100	73	ug/Kg	☼	12/06/24 15:52	12/10/24 13:33	1
Alachlor	ND		5.1	1.5	ug/Kg	☼	12/06/24 15:52	12/10/24 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*81*		*30 - 150*	*12/06/24 15:52*	*12/10/24 13:33*	*1*
Tetrachloro-m-xylene	*86*		*30 - 150*	*12/06/24 15:52*	*12/10/24 13:33*	*1*
DCB Decachlorobiphenyl (Surr)	*94*		*30 - 150*	*12/06/24 15:52*	*12/10/24 13:33*	*1*
DCB Decachlorobiphenyl (Surr)	*67*		*30 - 150*	*12/06/24 15:52*	*12/10/24 13:33*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		15	1.1	mg/Kg	☼	12/03/24 12:46	12/04/24 18:44	4
Arsenic	**3.7**	**J**	4.5	0.57	mg/Kg	☼	12/03/24 12:46	12/04/24 18:44	4
Beryllium	**0.26**	**J**	1.5	0.075	mg/Kg	☼	12/03/24 12:46	12/04/24 18:44	4
Barium	**24**		3.0	0.35	mg/Kg	☼	12/03/24 12:46	12/04/24 18:44	4
Cadmium	**0.36**	**J**	1.5	0.078	mg/Kg	☼	12/03/24 12:46	12/04/24 18:44	4
Chromium	**19**		3.0	0.40	mg/Kg	☼	12/03/24 12:46	12/04/24 18:44	4
Copper	**21**		3.0	0.72	mg/Kg	☼	12/03/24 12:46	12/04/24 18:44	4
Lead	**12**		4.5	0.64	mg/Kg	☼	12/03/24 12:46	12/04/24 18:44	4
Nickel	**21**		3.0	0.34	mg/Kg	☼	12/03/24 12:46	12/04/24 18:44	4
Selenium	ND		4.5	0.86	mg/Kg	☼	12/03/24 12:46	12/04/24 18:44	4
Silver	ND		4.5	0.49	mg/Kg	☼	12/03/24 12:46	12/04/24 18:44	4
Thallium	ND		9.0	3.3	mg/Kg	☼	12/03/24 12:46	12/04/24 18:44	4
Zinc	**57**		9.0	2.3	mg/Kg	☼	12/03/24 12:46	12/04/24 18:44	4

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.036**	**J**	0.043	0.0071	mg/Kg	☼	12/02/24 08:51	12/02/24 15:02	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-T3-A
Date Collected: 11/22/24 10:20
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-25
Matrix: Solid
Percent Solids: 84.0

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.6	0.54	ug/Kg	☼	12/06/24 15:52	12/10/24 13:49	1
beta-BHC	ND		5.6	0.73	ug/Kg	☼	12/06/24 15:52	12/10/24 13:49	1
delta-BHC	ND		5.6	0.93	ug/Kg	☼	12/06/24 15:52	12/10/24 13:49	1
gamma-BHC (Lindane)	ND		2.3	0.51	ug/Kg	☼	12/06/24 15:52	12/10/24 13:49	1
Heptachlor	ND		5.6	0.69	ug/Kg	☼	12/06/24 15:52	12/10/24 13:49	1
Aldrin	ND		5.6	0.53	ug/Kg	☼	12/06/24 15:52	12/10/24 13:49	1
Heptachlor epoxide	ND		5.6	0.59	ug/Kg	☼	12/06/24 15:52	12/10/24 13:49	1
Endosulfan I	ND		5.6	0.59	ug/Kg	☼	12/06/24 15:52	12/10/24 13:49	1
Dieldrin	**9.6**		5.6	0.62	ug/Kg	☼	12/06/24 15:52	12/10/24 13:49	1
4,4'-DDE	ND		9.0	0.74	ug/Kg	☼	12/06/24 15:52	12/10/24 13:49	1
Endrin	ND		9.0	0.80	ug/Kg	☼	12/06/24 15:52	12/10/24 13:49	1
Endosulfan II	ND		9.0	0.59	ug/Kg	☼	12/06/24 15:52	12/10/24 13:49	1
4,4'-DDD	ND		9.0	1.3	ug/Kg	☼	12/06/24 15:52	12/10/24 13:49	1
Endosulfan sulfate	ND		9.0	0.60	ug/Kg	☼	12/06/24 15:52	12/10/24 13:49	1
4,4'-DDT	**3.4**	**J p**	9.0	1.5	ug/Kg	☼	12/06/24 15:52	12/10/24 13:49	1
Methoxychlor	ND		9.0	1.7	ug/Kg	☼	12/06/24 15:52	12/10/24 13:49	1
Endrin ketone	ND		9.0	0.63	ug/Kg	☼	12/06/24 15:52	12/10/24 13:49	1
Endrin aldehyde	ND		9.0	1.0	ug/Kg	☼	12/06/24 15:52	12/10/24 13:49	1
cis-Chlordane	**11**	**p**	5.6	0.55	ug/Kg	☼	12/06/24 15:52	12/10/24 13:49	1
trans-Chlordane	**15**		5.6	0.81	ug/Kg	☼	12/06/24 15:52	12/10/24 13:49	1
Toxaphene	ND		110	79	ug/Kg	☼	12/06/24 15:52	12/10/24 13:49	1
Alachlor	ND		5.6	1.6	ug/Kg	☼	12/06/24 15:52	12/10/24 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*72*		*30 - 150*	*12/06/24 15:52*	*12/10/24 13:49*	*1*
Tetrachloro-m-xylene	*74*		*30 - 150*	*12/06/24 15:52*	*12/10/24 13:49*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*30 - 150*	*12/06/24 15:52*	*12/10/24 13:49*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*30 - 150*	*12/06/24 15:52*	*12/10/24 13:49*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		18	1.4	mg/Kg	☼	12/03/24 12:46	12/04/24 18:50	4
Arsenic	**7.1**		5.4	0.69	mg/Kg	☼	12/03/24 12:46	12/04/24 18:50	4
Beryllium	**0.26**	**J**	1.8	0.091	mg/Kg	☼	12/03/24 12:46	12/04/24 18:50	4
Barium	**20**		3.6	0.43	mg/Kg	☼	12/03/24 12:46	12/04/24 18:50	4
Cadmium	**0.39**	**J**	1.8	0.094	mg/Kg	☼	12/03/24 12:46	12/04/24 18:50	4
Chromium	**21**		3.6	0.48	mg/Kg	☼	12/03/24 12:46	12/04/24 18:50	4
Copper	**25**		3.6	0.87	mg/Kg	☼	12/03/24 12:46	12/04/24 18:50	4
Lead	**18**		5.4	0.77	mg/Kg	☼	12/03/24 12:46	12/04/24 18:50	4
Nickel	**26**		3.6	0.42	mg/Kg	☼	12/03/24 12:46	12/04/24 18:50	4
Selenium	ND		5.4	1.0	mg/Kg	☼	12/03/24 12:46	12/04/24 18:50	4
Silver	ND		5.4	0.59	mg/Kg	☼	12/03/24 12:46	12/04/24 18:50	4
Thallium	ND		11	4.0	mg/Kg	☼	12/03/24 12:46	12/04/24 18:50	4
Zinc	**51**		11	2.8	mg/Kg	☼	12/03/24 12:46	12/04/24 18:50	4

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.045**	**J**	0.051	0.0084	mg/Kg	☼	12/02/24 08:51	12/02/24 15:34	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-T3-B

Date Collected: 11/22/24 10:21
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-26

Matrix: Solid
Percent Solids: 84.2

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.5	0.53	ug/Kg	☼	12/06/24 15:52	12/10/24 14:05	1
beta-BHC	ND		5.5	0.71	ug/Kg	☼	12/06/24 15:52	12/10/24 14:05	1
delta-BHC	ND		5.5	0.91	ug/Kg	☼	12/06/24 15:52	12/10/24 14:05	1
gamma-BHC (Lindane)	ND		2.2	0.49	ug/Kg	☼	12/06/24 15:52	12/10/24 14:05	1
Heptachlor	ND		5.5	0.67	ug/Kg	☼	12/06/24 15:52	12/10/24 14:05	1
Aldrin	ND		5.5	0.51	ug/Kg	☼	12/06/24 15:52	12/10/24 14:05	1
Heptachlor epoxide	**2.0**	**J p**	5.5	0.57	ug/Kg	☼	12/06/24 15:52	12/10/24 14:05	1
Endosulfan I	ND		5.5	0.57	ug/Kg	☼	12/06/24 15:52	12/10/24 14:05	1
Dieldrin	ND		5.5	0.60	ug/Kg	☼	12/06/24 15:52	12/10/24 14:05	1
4,4'-DDE	ND		8.8	0.72	ug/Kg	☼	12/06/24 15:52	12/10/24 14:05	1
Endrin	ND		8.8	0.78	ug/Kg	☼	12/06/24 15:52	12/10/24 14:05	1
Endosulfan II	ND		8.8	0.57	ug/Kg	☼	12/06/24 15:52	12/10/24 14:05	1
4,4'-DDD	ND		8.8	1.3	ug/Kg	☼	12/06/24 15:52	12/10/24 14:05	1
Endosulfan sulfate	ND		8.8	0.58	ug/Kg	☼	12/06/24 15:52	12/10/24 14:05	1
4,4'-DDT	**7.5**	**J**	8.8	1.4	ug/Kg	☼	12/06/24 15:52	12/10/24 14:05	1
Methoxychlor	ND		8.8	1.7	ug/Kg	☼	12/06/24 15:52	12/10/24 14:05	1
Endrin ketone	ND		8.8	0.61	ug/Kg	☼	12/06/24 15:52	12/10/24 14:05	1
Endrin aldehyde	ND		8.8	1.0	ug/Kg	☼	12/06/24 15:52	12/10/24 14:05	1
cis-Chlordane	**28**	**p**	5.5	0.54	ug/Kg	☼	12/06/24 15:52	12/10/24 14:05	1
trans-Chlordane	**26**		5.5	0.79	ug/Kg	☼	12/06/24 15:52	12/10/24 14:05	1
Toxaphene	ND		110	77	ug/Kg	☼	12/06/24 15:52	12/10/24 14:05	1
Alachlor	ND		5.5	1.6	ug/Kg	☼	12/06/24 15:52	12/10/24 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*81*		*30 - 150*	*12/06/24 15:52*	*12/10/24 14:05*	*1*
Tetrachloro-m-xylene	*81*		*30 - 150*	*12/06/24 15:52*	*12/10/24 14:05*	*1*
DCB Decachlorobiphenyl (Surr)	*124*		*30 - 150*	*12/06/24 15:52*	*12/10/24 14:05*	*1*
DCB Decachlorobiphenyl (Surr)	*80*	*p*	*30 - 150*	*12/06/24 15:52*	*12/10/24 14:05*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		17	1.3	mg/Kg	☼	12/03/24 12:46	12/04/24 18:56	4
Arsenic	**3.9**	**J**	5.2	0.66	mg/Kg	☼	12/03/24 12:46	12/04/24 18:56	4
Beryllium	**0.22**	**J**	1.7	0.087	mg/Kg	☼	12/03/24 12:46	12/04/24 18:56	4
Barium	**14**		3.5	0.41	mg/Kg	☼	12/03/24 12:46	12/04/24 18:56	4
Cadmium	**0.33**	**J**	1.7	0.090	mg/Kg	☼	12/03/24 12:46	12/04/24 18:56	4
Chromium	**19**		3.5	0.46	mg/Kg	☼	12/03/24 12:46	12/04/24 18:56	4
Copper	**23**		3.5	0.83	mg/Kg	☼	12/03/24 12:46	12/04/24 18:56	4
Lead	**12**		5.2	0.73	mg/Kg	☼	12/03/24 12:46	12/04/24 18:56	4
Nickel	**21**		3.5	0.40	mg/Kg	☼	12/03/24 12:46	12/04/24 18:56	4
Selenium	ND		5.2	0.99	mg/Kg	☼	12/03/24 12:46	12/04/24 18:56	4
Silver	ND		5.2	0.56	mg/Kg	☼	12/03/24 12:46	12/04/24 18:56	4
Thallium	ND		10	3.8	mg/Kg	☼	12/03/24 12:46	12/04/24 18:56	4
Zinc	**41**		10	2.7	mg/Kg	☼	12/03/24 12:46	12/04/24 18:56	4

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.042**	**J**	0.057	0.0096	mg/Kg	☼	12/02/24 08:51	12/02/24 15:36	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-T3-C

Date Collected: 11/22/24 10:22
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-27

Matrix: Solid
Percent Solids: 85.5

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.7	0.55	ug/Kg	☼	12/06/24 15:52	12/10/24 14:21	1
beta-BHC	ND		5.7	0.74	ug/Kg	☼	12/06/24 15:52	12/10/24 14:21	1
delta-BHC	ND		5.7	0.95	ug/Kg	☼	12/06/24 15:52	12/10/24 14:21	1
gamma-BHC (Lindane)	ND		2.3	0.51	ug/Kg	☼	12/06/24 15:52	12/10/24 14:21	1
Heptachlor	ND		5.7	0.70	ug/Kg	☼	12/06/24 15:52	12/10/24 14:21	1
Aldrin	ND		5.7	0.54	ug/Kg	☼	12/06/24 15:52	12/10/24 14:21	1
Heptachlor epoxide	ND		5.7	0.59	ug/Kg	☼	12/06/24 15:52	12/10/24 14:21	1
Endosulfan I	ND		5.7	0.59	ug/Kg	☼	12/06/24 15:52	12/10/24 14:21	1
Dieldrin	ND		5.7	0.63	ug/Kg	☼	12/06/24 15:52	12/10/24 14:21	1
4,4'-DDE	ND		9.1	0.75	ug/Kg	☼	12/06/24 15:52	12/10/24 14:21	1
Endrin	ND		9.1	0.81	ug/Kg	☼	12/06/24 15:52	12/10/24 14:21	1
Endosulfan II	ND		9.1	0.59	ug/Kg	☼	12/06/24 15:52	12/10/24 14:21	1
4,4'-DDD	ND		9.1	1.3	ug/Kg	☼	12/06/24 15:52	12/10/24 14:21	1
Endosulfan sulfate	ND		9.1	0.61	ug/Kg	☼	12/06/24 15:52	12/10/24 14:21	1
4,4'-DDT	**3.5**	**J p**	9.1	1.5	ug/Kg	☼	12/06/24 15:52	12/10/24 14:21	1
Methoxychlor	ND		9.1	1.7	ug/Kg	☼	12/06/24 15:52	12/10/24 14:21	1
Endrin ketone	ND		9.1	0.64	ug/Kg	☼	12/06/24 15:52	12/10/24 14:21	1
Endrin aldehyde	ND		9.1	1.1	ug/Kg	☼	12/06/24 15:52	12/10/24 14:21	1
cis-Chlordane	**1.8**	**J p**	5.7	0.56	ug/Kg	☼	12/06/24 15:52	12/10/24 14:21	1
trans-Chlordane	**2.3**	**J p**	5.7	0.82	ug/Kg	☼	12/06/24 15:52	12/10/24 14:21	1
Toxaphene	ND		110	81	ug/Kg	☼	12/06/24 15:52	12/10/24 14:21	1
Alachlor	ND		5.7	1.6	ug/Kg	☼	12/06/24 15:52	12/10/24 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*73*		*30 - 150*	*12/06/24 15:52*	*12/10/24 14:21*	*1*
Tetrachloro-m-xylene	*88*		*30 - 150*	*12/06/24 15:52*	*12/10/24 14:21*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*30 - 150*	*12/06/24 15:52*	*12/10/24 14:21*	*1*
DCB Decachlorobiphenyl (Surr)	*65*		*30 - 150*	*12/06/24 15:52*	*12/10/24 14:21*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.5	0.72	mg/Kg	☼	12/03/24 12:46	12/04/24 19:03	2
Arsenic	**4.8**		2.9	0.36	mg/Kg	☼	12/03/24 12:46	12/04/24 19:03	2
Beryllium	**0.17**	**J**	0.95	0.048	mg/Kg	☼	12/03/24 12:46	12/04/24 19:03	2
Barium	**13**		1.9	0.22	mg/Kg	☼	12/03/24 12:46	12/04/24 19:03	2
Cadmium	**0.26**	**J**	0.95	0.049	mg/Kg	☼	12/03/24 12:46	12/04/24 19:03	2
Chromium	**17**		1.9	0.25	mg/Kg	☼	12/03/24 12:46	12/04/24 19:03	2
Copper	**17**		1.9	0.46	mg/Kg	☼	12/03/24 12:46	12/04/24 19:03	2
Lead	**11**		2.9	0.40	mg/Kg	☼	12/03/24 12:46	12/04/24 19:03	2
Nickel	**16**		1.9	0.22	mg/Kg	☼	12/03/24 12:46	12/04/24 19:03	2
Selenium	ND		2.9	0.54	mg/Kg	☼	12/03/24 12:46	12/04/24 19:03	2
Silver	ND		2.9	0.31	mg/Kg	☼	12/03/24 12:46	12/04/24 19:03	2
Thallium	ND		5.7	2.1	mg/Kg	☼	12/03/24 12:46	12/04/24 19:03	2
Zinc	**31**		5.7	1.5	mg/Kg	☼	12/03/24 12:46	12/04/24 19:03	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.045**	**J**	0.052	0.0087	mg/Kg	☼	12/02/24 08:51	12/02/24 15:38	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-G3-A
Date Collected: 11/22/24 14:10
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-28
Matrix: Solid
Percent Solids: 89.0

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.4	0.52	ug/Kg	☼	12/06/24 15:52	12/10/24 14:37	1
beta-BHC	ND		5.4	0.70	ug/Kg	☼	12/06/24 15:52	12/10/24 14:37	1
delta-BHC	ND		5.4	0.89	ug/Kg	☼	12/06/24 15:52	12/10/24 14:37	1
gamma-BHC (Lindane)	ND		2.2	0.48	ug/Kg	☼	12/06/24 15:52	12/10/24 14:37	1
Heptachlor	ND		5.4	0.66	ug/Kg	☼	12/06/24 15:52	12/10/24 14:37	1
Aldrin	ND		5.4	0.51	ug/Kg	☼	12/06/24 15:52	12/10/24 14:37	1
Heptachlor epoxide	**84**		54	5.6	ug/Kg	☼	12/06/24 15:52	12/11/24 12:07	10
Endosulfan I	ND		5.4	0.56	ug/Kg	☼	12/06/24 15:52	12/10/24 14:37	1
Dieldrin	ND		5.4	0.59	ug/Kg	☼	12/06/24 15:52	12/10/24 14:37	1
4,4'-DDE	ND		8.6	0.71	ug/Kg	☼	12/06/24 15:52	12/10/24 14:37	1
Endrin	ND		8.6	0.76	ug/Kg	☼	12/06/24 15:52	12/10/24 14:37	1
Endosulfan II	ND		8.6	0.56	ug/Kg	☼	12/06/24 15:52	12/10/24 14:37	1
4,4'-DDD	ND		8.6	1.2	ug/Kg	☼	12/06/24 15:52	12/10/24 14:37	1
Endosulfan sulfate	ND		8.6	0.57	ug/Kg	☼	12/06/24 15:52	12/10/24 14:37	1
4,4'-DDT	**30**		8.6	1.4	ug/Kg	☼	12/06/24 15:52	12/10/24 14:37	1
Methoxychlor	ND		8.6	1.6	ug/Kg	☼	12/06/24 15:52	12/10/24 14:37	1
Endrin ketone	ND		8.6	0.60	ug/Kg	☼	12/06/24 15:52	12/10/24 14:37	1
Endrin aldehyde	ND		8.6	1.0	ug/Kg	☼	12/06/24 15:52	12/10/24 14:37	1
cis-Chlordane	**590**	**p**	54	5.3	ug/Kg	☼	12/06/24 15:52	12/11/24 12:07	10
trans-Chlordane	**410**		54	7.8	ug/Kg	☼	12/06/24 15:52	12/11/24 12:07	10
Toxaphene	ND		110	76	ug/Kg	☼	12/06/24 15:52	12/10/24 14:37	1
Alachlor	ND		5.4	1.6	ug/Kg	☼	12/06/24 15:52	12/10/24 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*30 - 150*	*12/06/24 15:52*	*12/10/24 14:37*	*1*
Tetrachloro-m-xylene	*72*		*30 - 150*	*12/06/24 15:52*	*12/10/24 14:37*	*1*
DCB Decachlorobiphenyl (Surr)	*118*		*30 - 150*	*12/06/24 15:52*	*12/10/24 14:37*	*1*
DCB Decachlorobiphenyl (Surr)	*77*	*p*	*30 - 150*	*12/06/24 15:52*	*12/10/24 14:37*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.90**	**J**	9.7	0.73	mg/Kg	☼	12/03/24 12:46	12/04/24 19:09	2
Arsenic	**73**		2.9	0.37	mg/Kg	☼	12/03/24 12:46	12/04/24 19:09	2
Beryllium	**0.16**	**J**	0.97	0.049	mg/Kg	☼	12/03/24 12:46	12/04/24 19:09	2
Barium	**15**		1.9	0.23	mg/Kg	☼	12/03/24 12:46	12/04/24 19:09	2
Cadmium	**0.38**	**J**	0.97	0.050	mg/Kg	☼	12/03/24 12:46	12/04/24 19:09	2
Chromium	**51**		1.9	0.26	mg/Kg	☼	12/03/24 12:46	12/04/24 19:09	2
Copper	**18**		1.9	0.47	mg/Kg	☼	12/03/24 12:46	12/04/24 19:09	2
Lead	**240**		2.9	0.41	mg/Kg	☼	12/03/24 12:46	12/04/24 19:09	2
Nickel	**15**		1.9	0.22	mg/Kg	☼	12/03/24 12:46	12/04/24 19:09	2
Selenium	ND		2.9	0.56	mg/Kg	☼	12/03/24 12:46	12/04/24 19:09	2
Silver	ND		2.9	0.31	mg/Kg	☼	12/03/24 12:46	12/04/24 19:09	2
Thallium	ND		5.8	2.1	mg/Kg	☼	12/03/24 12:46	12/04/24 19:09	2
Zinc	**45**		5.8	1.5	mg/Kg	☼	12/03/24 12:46	12/04/24 19:09	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**6.2**		0.45	0.075	mg/Kg	☼	12/02/24 08:51	12/03/24 09:43	10

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-G3-B

Date Collected: 11/22/24 14:11
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-29

Matrix: Solid
Percent Solids: 89.7

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.5	0.53	ug/Kg	☼	12/06/24 15:52	12/10/24 14:57	1
beta-BHC	ND		5.5	0.72	ug/Kg	☼	12/06/24 15:52	12/10/24 14:57	1
delta-BHC	ND		5.5	0.92	ug/Kg	☼	12/06/24 15:52	12/10/24 14:57	1
gamma-BHC (Lindane)	ND		2.2	0.50	ug/Kg	☼	12/06/24 15:52	12/10/24 14:57	1
Heptachlor	ND		5.5	0.68	ug/Kg	☼	12/06/24 15:52	12/10/24 14:57	1
Aldrin	ND		5.5	0.52	ug/Kg	☼	12/06/24 15:52	12/10/24 14:57	1
Heptachlor epoxide	**70**		55	5.8	ug/Kg	☼	12/06/24 15:52	12/11/24 12:23	10
Endosulfan I	ND		5.5	0.58	ug/Kg	☼	12/06/24 15:52	12/10/24 14:57	1
Dieldrin	ND		5.5	0.61	ug/Kg	☼	12/06/24 15:52	12/10/24 14:57	1
4,4'-DDE	ND		8.9	0.73	ug/Kg	☼	12/06/24 15:52	12/10/24 14:57	1
Endrin	ND		8.9	0.79	ug/Kg	☼	12/06/24 15:52	12/10/24 14:57	1
Endosulfan II	ND		8.9	0.58	ug/Kg	☼	12/06/24 15:52	12/10/24 14:57	1
4,4'-DDD	ND		8.9	1.3	ug/Kg	☼	12/06/24 15:52	12/10/24 14:57	1
Endosulfan sulfate	ND		8.9	0.59	ug/Kg	☼	12/06/24 15:52	12/10/24 14:57	1
4,4'-DDT	**51**		8.9	1.5	ug/Kg	☼	12/06/24 15:52	12/10/24 14:57	1
Methoxychlor	ND		8.9	1.7	ug/Kg	☼	12/06/24 15:52	12/10/24 14:57	1
Endrin ketone	ND		8.9	0.62	ug/Kg	☼	12/06/24 15:52	12/10/24 14:57	1
Endrin aldehyde	ND		8.9	1.0	ug/Kg	☼	12/06/24 15:52	12/10/24 14:57	1
cis-Chlordane	**590**	**p**	55	5.4	ug/Kg	☼	12/06/24 15:52	12/11/24 12:23	10
trans-Chlordane	**430**		55	8.0	ug/Kg	☼	12/06/24 15:52	12/11/24 12:23	10
Toxaphene	ND		110	78	ug/Kg	☼	12/06/24 15:52	12/10/24 14:57	1
Alachlor	ND		5.5	1.6	ug/Kg	☼	12/06/24 15:52	12/10/24 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*178*	*S1+*	*30 - 150*	*12/06/24 15:52*	*12/10/24 14:57*	*1*
Tetrachloro-m-xylene	*109*	*p*	*30 - 150*	*12/06/24 15:52*	*12/10/24 14:57*	*1*
DCB Decachlorobiphenyl (Surr)	*298*	*S1+*	*30 - 150*	*12/06/24 15:52*	*12/10/24 14:57*	*1*
DCB Decachlorobiphenyl (Surr)	*106*	*p*	*30 - 150*	*12/06/24 15:52*	*12/10/24 14:57*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.69**	**J**	7.5	0.56	mg/Kg	☼	12/03/24 12:46	12/04/24 19:15	2
Arsenic	**32**		2.3	0.29	mg/Kg	☼	12/03/24 12:46	12/04/24 19:15	2
Beryllium	**0.13**	**J**	0.75	0.038	mg/Kg	☼	12/03/24 12:46	12/04/24 19:15	2
Barium	**12**		1.5	0.18	mg/Kg	☼	12/03/24 12:46	12/04/24 19:15	2
Cadmium	**0.42**	**J**	0.75	0.039	mg/Kg	☼	12/03/24 12:46	12/04/24 19:15	2
Chromium	**32**		1.5	0.20	mg/Kg	☼	12/03/24 12:46	12/04/24 19:15	2
Copper	**16**		1.5	0.36	mg/Kg	☼	12/03/24 12:46	12/04/24 19:15	2
Lead	**190**		2.3	0.32	mg/Kg	☼	12/03/24 12:46	12/04/24 19:15	2
Nickel	**13**		1.5	0.17	mg/Kg	☼	12/03/24 12:46	12/04/24 19:15	2
Selenium	ND		2.3	0.43	mg/Kg	☼	12/03/24 12:46	12/04/24 19:15	2
Silver	ND		2.3	0.24	mg/Kg	☼	12/03/24 12:46	12/04/24 19:15	2
Thallium	ND		4.5	1.7	mg/Kg	☼	12/03/24 12:46	12/04/24 19:15	2
Zinc	**40**		4.5	1.2	mg/Kg	☼	12/03/24 12:46	12/04/24 19:15	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**5.1**		0.48	0.081	mg/Kg	☼	12/02/24 08:51	12/03/24 09:45	10

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-G3-C

Date Collected: 11/22/24 14:12
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-30

Matrix: Solid
Percent Solids: 89.4

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.1	0.49	ug/Kg	☼	12/06/24 15:52	12/10/24 15:13	1
beta-BHC	ND		5.1	0.66	ug/Kg	☼	12/06/24 15:52	12/10/24 15:13	1
delta-BHC	ND		5.1	0.85	ug/Kg	☼	12/06/24 15:52	12/10/24 15:13	1
gamma-BHC (Lindane)	ND		2.0	0.46	ug/Kg	☼	12/06/24 15:52	12/10/24 15:13	1
Heptachlor	ND		5.1	0.62	ug/Kg	☼	12/06/24 15:52	12/10/24 15:13	1
Aldrin	ND		5.1	0.48	ug/Kg	☼	12/06/24 15:52	12/10/24 15:13	1
Heptachlor epoxide	**92**	**J**	100	11	ug/Kg	☼	12/06/24 15:52	12/11/24 12:40	20
Endosulfan I	ND		5.1	0.53	ug/Kg	☼	12/06/24 15:52	12/10/24 15:13	1
Dieldrin	ND		5.1	0.56	ug/Kg	☼	12/06/24 15:52	12/10/24 15:13	1
4,4'-DDE	ND		8.2	0.67	ug/Kg	☼	12/06/24 15:52	12/10/24 15:13	1
Endrin	ND		8.2	0.72	ug/Kg	☼	12/06/24 15:52	12/10/24 15:13	1
Endosulfan II	ND		8.2	0.53	ug/Kg	☼	12/06/24 15:52	12/10/24 15:13	1
4,4'-DDD	ND		8.2	1.2	ug/Kg	☼	12/06/24 15:52	12/10/24 15:13	1
Endosulfan sulfate	ND		8.2	0.54	ug/Kg	☼	12/06/24 15:52	12/10/24 15:13	1
4,4'-DDT	**32**		8.2	1.3	ug/Kg	☼	12/06/24 15:52	12/10/24 15:13	1
Methoxychlor	ND		8.2	1.6	ug/Kg	☼	12/06/24 15:52	12/10/24 15:13	1
Endrin ketone	ND		8.2	0.57	ug/Kg	☼	12/06/24 15:52	12/10/24 15:13	1
Endrin aldehyde	ND		8.2	0.95	ug/Kg	☼	12/06/24 15:52	12/10/24 15:13	1
cis-Chlordane	**700**	**p**	100	10	ug/Kg	☼	12/06/24 15:52	12/11/24 12:40	20
trans-Chlordane	**450**		100	15	ug/Kg	☼	12/06/24 15:52	12/11/24 12:40	20
Toxaphene	ND		100	72	ug/Kg	☼	12/06/24 15:52	12/10/24 15:13	1
Alachlor	ND		5.1	1.5	ug/Kg	☼	12/06/24 15:52	12/10/24 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*88*		*30 - 150*	*12/06/24 15:52*	*12/10/24 15:13*	*1*
Tetrachloro-m-xylene	*57*	*p*	*30 - 150*	*12/06/24 15:52*	*12/10/24 15:13*	*1*
DCB Decachlorobiphenyl (Surr)	*217*	*S1+*	*30 - 150*	*12/06/24 15:52*	*12/10/24 15:13*	*1*
DCB Decachlorobiphenyl (Surr)	*66*	*p*	*30 - 150*	*12/06/24 15:52*	*12/10/24 15:13*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.3	0.70	mg/Kg	☼	12/03/24 12:46	12/04/24 19:21	2
Arsenic	**20**		2.8	0.36	mg/Kg	☼	12/03/24 12:46	12/04/24 19:21	2
Beryllium	**0.12**	**J**	0.93	0.047	mg/Kg	☼	12/03/24 12:46	12/04/24 19:21	2
Barium	**9.8**		1.9	0.22	mg/Kg	☼	12/03/24 12:46	12/04/24 19:21	2
Cadmium	**0.36**	**J**	0.93	0.048	mg/Kg	☼	12/03/24 12:46	12/04/24 19:21	2
Chromium	**19**		1.9	0.25	mg/Kg	☼	12/03/24 12:46	12/04/24 19:21	2
Copper	**15**		1.9	0.45	mg/Kg	☼	12/03/24 12:46	12/04/24 19:21	2
Lead	**82**		2.8	0.40	mg/Kg	☼	12/03/24 12:46	12/04/24 19:21	2
Nickel	**11**		1.9	0.21	mg/Kg	☼	12/03/24 12:46	12/04/24 19:21	2
Selenium	ND		2.8	0.53	mg/Kg	☼	12/03/24 12:46	12/04/24 19:21	2
Silver	ND		2.8	0.30	mg/Kg	☼	12/03/24 12:46	12/04/24 19:21	2
Thallium	ND		5.6	2.1	mg/Kg	☼	12/03/24 12:46	12/04/24 19:21	2
Zinc	**37**		5.6	1.4	mg/Kg	☼	12/03/24 12:46	12/04/24 19:21	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**5.1**		0.48	0.080	mg/Kg	☼	12/02/24 08:51	12/03/24 09:48	10

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-F3-A
Date Collected: 11/25/24 09:45
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-31
Matrix: Solid
Percent Solids: 92.8

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		4.6	0.44	ug/Kg	☼	12/06/24 15:52	12/10/24 15:29	1
beta-BHC	ND		4.6	0.60	ug/Kg	☼	12/06/24 15:52	12/10/24 15:29	1
delta-BHC	ND		4.6	0.77	ug/Kg	☼	12/06/24 15:52	12/10/24 15:29	1
gamma-BHC (Lindane)	ND		1.8	0.42	ug/Kg	☼	12/06/24 15:52	12/10/24 15:29	1
Heptachlor	ND		4.6	0.56	ug/Kg	☼	12/06/24 15:52	12/10/24 15:29	1
Aldrin	ND		4.6	0.43	ug/Kg	☼	12/06/24 15:52	12/10/24 15:29	1
Heptachlor epoxide	ND		4.6	0.48	ug/Kg	☼	12/06/24 15:52	12/10/24 15:29	1
Endosulfan I	ND		4.6	0.48	ug/Kg	☼	12/06/24 15:52	12/10/24 15:29	1
Dieldrin	ND		4.6	0.51	ug/Kg	☼	12/06/24 15:52	12/10/24 15:29	1
4,4'-DDE	ND		7.4	0.61	ug/Kg	☼	12/06/24 15:52	12/10/24 15:29	1
Endrin	ND		7.4	0.66	ug/Kg	☼	12/06/24 15:52	12/10/24 15:29	1
Endosulfan II	ND		7.4	0.48	ug/Kg	☼	12/06/24 15:52	12/10/24 15:29	1
4,4'-DDD	ND		7.4	1.1	ug/Kg	☼	12/06/24 15:52	12/10/24 15:29	1
Endosulfan sulfate	ND		7.4	0.49	ug/Kg	☼	12/06/24 15:52	12/10/24 15:29	1
4,4'-DDT	**1.2**	**J p**	7.4	1.2	ug/Kg	☼	12/06/24 15:52	12/10/24 15:29	1
Methoxychlor	ND		7.4	1.4	ug/Kg	☼	12/06/24 15:52	12/10/24 15:29	1
Endrin ketone	ND		7.4	0.52	ug/Kg	☼	12/06/24 15:52	12/10/24 15:29	1
Endrin aldehyde	**0.88**	**J p**	7.4	0.86	ug/Kg	☼	12/06/24 15:52	12/10/24 15:29	1
cis-Chlordane	**0.75**	**J p**	4.6	0.45	ug/Kg	☼	12/06/24 15:52	12/10/24 15:29	1
trans-Chlordane	ND		4.6	0.66	ug/Kg	☼	12/06/24 15:52	12/10/24 15:29	1
Toxaphene	ND		92	65	ug/Kg	☼	12/06/24 15:52	12/10/24 15:29	1
Alachlor	ND		4.6	1.3	ug/Kg	☼	12/06/24 15:52	12/10/24 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*30 - 150*	*12/06/24 15:52*	*12/10/24 15:29*	*1*
Tetrachloro-m-xylene	*102*		*30 - 150*	*12/06/24 15:52*	*12/10/24 15:29*	*1*
DCB Decachlorobiphenyl (Surr)	*130*		*30 - 150*	*12/06/24 15:52*	*12/10/24 15:29*	*1*
DCB Decachlorobiphenyl (Surr)	*58*	*p*	*30 - 150*	*12/06/24 15:52*	*12/10/24 15:29*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16	1.2	mg/Kg	☼	12/03/24 12:46	12/04/24 19:39	4
Arsenic	**2.4**	**J**	4.9	0.62	mg/Kg	☼	12/03/24 12:46	12/04/24 19:39	4
Beryllium	**0.20**	**J**	1.6	0.082	mg/Kg	☼	12/03/24 12:46	12/04/24 19:39	4
Barium	**15**		3.3	0.39	mg/Kg	☼	12/03/24 12:46	12/04/24 19:39	4
Cadmium	**0.30**	**J**	1.6	0.085	mg/Kg	☼	12/03/24 12:46	12/04/24 19:39	4
Chromium	**15**		3.3	0.44	mg/Kg	☼	12/03/24 12:46	12/04/24 19:39	4
Copper	**18**		3.3	0.79	mg/Kg	☼	12/03/24 12:46	12/04/24 19:39	4
Lead	**11**		4.9	0.70	mg/Kg	☼	12/03/24 12:46	12/04/24 19:39	4
Nickel	**18**		3.3	0.38	mg/Kg	☼	12/03/24 12:46	12/04/24 19:39	4
Selenium	ND		4.9	0.94	mg/Kg	☼	12/03/24 12:46	12/04/24 19:39	4
Silver	ND		4.9	0.53	mg/Kg	☼	12/03/24 12:46	12/04/24 19:39	4
Thallium	ND		9.8	3.6	mg/Kg	☼	12/03/24 12:46	12/04/24 19:39	4
Zinc	**36**		9.8	2.5	mg/Kg	☼	12/03/24 12:46	12/04/24 19:39	4

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.046**		0.043	0.0071	mg/Kg	☼	12/02/24 08:51	12/02/24 15:46	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-F3-B

Date Collected: 11/25/24 09:46
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-32

Matrix: Solid
Percent Solids: 91.0

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.4	0.52	ug/Kg	☼	12/06/24 15:52	12/10/24 15:45	1
beta-BHC	ND		5.4	0.70	ug/Kg	☼	12/06/24 15:52	12/10/24 15:45	1
delta-BHC	ND		5.4	0.89	ug/Kg	☼	12/06/24 15:52	12/10/24 15:45	1
gamma-BHC (Lindane)	ND		2.2	0.48	ug/Kg	☼	12/06/24 15:52	12/10/24 15:45	1
Heptachlor	ND		5.4	0.66	ug/Kg	☼	12/06/24 15:52	12/10/24 15:45	1
Aldrin	ND		5.4	0.51	ug/Kg	☼	12/06/24 15:52	12/10/24 15:45	1
Heptachlor epoxide	**0.68**	**J p**	5.4	0.56	ug/Kg	☼	12/06/24 15:52	12/10/24 15:45	1
Endosulfan I	ND		5.4	0.56	ug/Kg	☼	12/06/24 15:52	12/10/24 15:45	1
Dieldrin	ND		5.4	0.59	ug/Kg	☼	12/06/24 15:52	12/10/24 15:45	1
4,4'-DDE	ND		8.6	0.71	ug/Kg	☼	12/06/24 15:52	12/10/24 15:45	1
Endrin	ND		8.6	0.76	ug/Kg	☼	12/06/24 15:52	12/10/24 15:45	1
Endosulfan II	ND		8.6	0.56	ug/Kg	☼	12/06/24 15:52	12/10/24 15:45	1
4,4'-DDD	ND		8.6	1.2	ug/Kg	☼	12/06/24 15:52	12/10/24 15:45	1
Endosulfan sulfate	ND		8.6	0.57	ug/Kg	☼	12/06/24 15:52	12/10/24 15:45	1
4,4'-DDT	**2.8**	**J p**	8.6	1.4	ug/Kg	☼	12/06/24 15:52	12/10/24 15:45	1
Methoxychlor	ND		8.6	1.6	ug/Kg	☼	12/06/24 15:52	12/10/24 15:45	1
Endrin ketone	ND		8.6	0.60	ug/Kg	☼	12/06/24 15:52	12/10/24 15:45	1
Endrin aldehyde	ND		8.6	1.0	ug/Kg	☼	12/06/24 15:52	12/10/24 15:45	1
cis-Chlordane	**1.5**	**J p**	5.4	0.53	ug/Kg	☼	12/06/24 15:52	12/10/24 15:45	1
trans-Chlordane	ND		5.4	0.78	ug/Kg	☼	12/06/24 15:52	12/10/24 15:45	1
Toxaphene	ND		110	76	ug/Kg	☼	12/06/24 15:52	12/10/24 15:45	1
Alachlor	ND		5.4	1.6	ug/Kg	☼	12/06/24 15:52	12/10/24 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*105*		*30 - 150*	*12/06/24 15:52*	*12/10/24 15:45*	*1*
Tetrachloro-m-xylene	*99*		*30 - 150*	*12/06/24 15:52*	*12/10/24 15:45*	*1*
DCB Decachlorobiphenyl (Surr)	*342*	*S1+*	*30 - 150*	*12/06/24 15:52*	*12/10/24 15:45*	*1*
DCB Decachlorobiphenyl (Surr)	*54*	*p*	*30 - 150*	*12/06/24 15:52*	*12/10/24 15:45*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		16	1.2	mg/Kg	☼	12/03/24 12:46	12/04/24 19:45	4
Arsenic	**4.3**	**J**	4.9	0.62	mg/Kg	☼	12/03/24 12:46	12/04/24 19:45	4
Beryllium	**0.25**	**J**	1.6	0.082	mg/Kg	☼	12/03/24 12:46	12/04/24 19:45	4
Barium	**19**		3.3	0.39	mg/Kg	☼	12/03/24 12:46	12/04/24 19:45	4
Cadmium	**0.35**	**J**	1.6	0.085	mg/Kg	☼	12/03/24 12:46	12/04/24 19:45	4
Chromium	**17**		3.3	0.43	mg/Kg	☼	12/03/24 12:46	12/04/24 19:45	4
Copper	**22**		3.3	0.78	mg/Kg	☼	12/03/24 12:46	12/04/24 19:45	4
Lead	**16**		4.9	0.69	mg/Kg	☼	12/03/24 12:46	12/04/24 19:45	4
Nickel	**23**		3.3	0.38	mg/Kg	☼	12/03/24 12:46	12/04/24 19:45	4
Selenium	ND		4.9	0.94	mg/Kg	☼	12/03/24 12:46	12/04/24 19:45	4
Silver	ND		4.9	0.53	mg/Kg	☼	12/03/24 12:46	12/04/24 19:45	4
Thallium	ND		9.8	3.6	mg/Kg	☼	12/03/24 12:46	12/04/24 19:45	4
Zinc	**44**		9.8	2.5	mg/Kg	☼	12/03/24 12:46	12/04/24 19:45	4

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.053**		0.046	0.0076	mg/Kg	☼	12/06/24 09:09	12/06/24 16:50	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-F3-C

Date Collected: 11/25/24 09:47
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-33

Matrix: Solid
Percent Solids: 91.3

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.3	0.51	ug/Kg	☼	12/06/24 15:52	12/10/24 16:06	1
beta-BHC	ND		5.3	0.69	ug/Kg	☼	12/06/24 15:52	12/10/24 16:06	1
delta-BHC	ND		5.3	0.88	ug/Kg	☼	12/06/24 15:52	12/10/24 16:06	1
gamma-BHC (Lindane)	ND		2.1	0.48	ug/Kg	☼	12/06/24 15:52	12/10/24 16:06	1
Heptachlor	ND		5.3	0.65	ug/Kg	☼	12/06/24 15:52	12/10/24 16:06	1
Aldrin	ND		5.3	0.50	ug/Kg	☼	12/06/24 15:52	12/10/24 16:06	1
Heptachlor epoxide	ND		5.3	0.55	ug/Kg	☼	12/06/24 15:52	12/10/24 16:06	1
Endosulfan I	ND		5.3	0.55	ug/Kg	☼	12/06/24 15:52	12/10/24 16:06	1
Dieldrin	ND		5.3	0.58	ug/Kg	☼	12/06/24 15:52	12/10/24 16:06	1
4,4'-DDE	ND		8.5	0.70	ug/Kg	☼	12/06/24 15:52	12/10/24 16:06	1
Endrin	ND		8.5	0.75	ug/Kg	☼	12/06/24 15:52	12/10/24 16:06	1
Endosulfan II	ND		8.5	0.55	ug/Kg	☼	12/06/24 15:52	12/10/24 16:06	1
4,4'-DDD	ND		8.5	1.2	ug/Kg	☼	12/06/24 15:52	12/10/24 16:06	1
Endosulfan sulfate	ND		8.5	0.56	ug/Kg	☼	12/06/24 15:52	12/10/24 16:06	1
4,4'-DDT	ND		8.5	1.4	ug/Kg	☼	12/06/24 15:52	12/10/24 16:06	1
Methoxychlor	ND		8.5	1.6	ug/Kg	☼	12/06/24 15:52	12/10/24 16:06	1
Endrin ketone	ND		8.5	0.59	ug/Kg	☼	12/06/24 15:52	12/10/24 16:06	1
Endrin aldehyde	ND		8.5	0.98	ug/Kg	☼	12/06/24 15:52	12/10/24 16:06	1
cis-Chlordane	ND		5.3	0.52	ug/Kg	☼	12/06/24 15:52	12/10/24 16:06	1
trans-Chlordane	ND		5.3	0.76	ug/Kg	☼	12/06/24 15:52	12/10/24 16:06	1
Toxaphene	ND		110	75	ug/Kg	☼	12/06/24 15:52	12/10/24 16:06	1
Alachlor	ND		5.3	1.5	ug/Kg	☼	12/06/24 15:52	12/10/24 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*85*		*30 - 150*	*12/06/24 15:52*	*12/10/24 16:06*	*1*
Tetrachloro-m-xylene	*86*		*30 - 150*	*12/06/24 15:52*	*12/10/24 16:06*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*30 - 150*	*12/06/24 15:52*	*12/10/24 16:06*	*1*
DCB Decachlorobiphenyl (Surr)	*51*		*30 - 150*	*12/06/24 15:52*	*12/10/24 16:06*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.7**	**J**	23	1.7	mg/Kg	☼	12/03/24 12:46	12/04/24 19:51	5
Arsenic	**4.8**	**J**	6.8	0.86	mg/Kg	☼	12/03/24 12:46	12/04/24 19:51	5
Beryllium	**0.24**	**J**	2.3	0.11	mg/Kg	☼	12/03/24 12:46	12/04/24 19:51	5
Barium	**17**		4.5	0.53	mg/Kg	☼	12/03/24 12:46	12/04/24 19:51	5
Cadmium	**0.34**	**J**	2.3	0.12	mg/Kg	☼	12/03/24 12:46	12/04/24 19:51	5
Chromium	**17**		4.5	0.60	mg/Kg	☼	12/03/24 12:46	12/04/24 19:51	5
Copper	**20**		4.5	1.1	mg/Kg	☼	12/03/24 12:46	12/04/24 19:51	5
Lead	**16**		6.8	0.95	mg/Kg	☼	12/03/24 12:46	12/04/24 19:51	5
Nickel	**21**		4.5	0.52	mg/Kg	☼	12/03/24 12:46	12/04/24 19:51	5
Selenium	ND		6.8	1.3	mg/Kg	☼	12/03/24 12:46	12/04/24 19:51	5
Silver	ND		6.8	0.73	mg/Kg	☼	12/03/24 12:46	12/04/24 19:51	5
Thallium	ND		14	5.0	mg/Kg	☼	12/03/24 12:46	12/04/24 19:51	5
Zinc	**42**		14	3.5	mg/Kg	☼	12/03/24 12:46	12/04/24 19:51	5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.048**	**J**	0.051	0.0085	mg/Kg	☼	12/06/24 09:09	12/06/24 17:03	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCB1	DCB2
Lab Sample ID	Client Sample ID	(30-150)	(30-150)	(30-150)	(30-150)
620-22611-1	SD-4	63	59	58	53
620-22611-2	DU-T1-A	83	84	108	64 p
620-22611-3	DU-T1-B	89	84	96	71
620-22611-4	DU-T1-C	98	91	105	76
620-22611-6	SD-5-FD	69	69	47	57
620-22611-7	SD-3	74	77	57	61
620-22611-8	DU-G1-A	63	53	97	88
620-22611-8	DU-G1-A	0 S1-	0 S1-	0 S1-	0 S1-
620-22611-9	DU-G1-B	65	47	103	97
620-22611-9	DU-G1-B	0 S1-	0 S1-	0 S1-	0 S1-
620-22611-10	DU-G1-C	0 S1-	0 S1-	0 S1-	0 S1-
620-22611-10	DU-G1-C	69	57	79	107
620-22611-11	SD-1	61	68	59	45
620-22611-12	SD-2	89	98	356 S1+	70 p
620-22611-13	DU-F1-A	69	75	51	33 p
620-22611-14	DU-F1-B	62	68	45	32
620-22611-15	DU-F1-C	40	42	35	31
620-22611-16	DU-T2-A	68	68	55	39
620-22611-17	DU-T2-B	40	42	32	36
620-22611-18	DU-T2-C	37	38	75	38 p
620-22611-19	DU-G2-A	79	74	115	70 p
620-22611-20	DU-G2-B	62	61	74	48 p
620-22611-21	DU-G2-C	83	64	191 S1+	96 p
620-22611-22	DU-F2-A	81	79	250 S1+	72 p
620-22611-23	DU-F2-B	87	97	111	71 p
620-22611-24	DU-F2-C	81	86	94	67
620-22611-25	DU-T3-A	72	74	69	71
620-22611-26	DU-T3-B	81	81	124	80 p
620-22611-27	DU-T3-C	73	88	91	65
620-22611-28	DU-G3-A	90	72	118	77 p
620-22611-29	DU-G3-B	178 S1+	109 p	298 S1+	106 p
620-22611-30	DU-G3-C	88	57 p	217 S1+	66 p
620-22611-31	DU-F3-A	94	102	130	58 p
620-22611-32	DU-F3-B	105	99	342 S1+	54 p
620-22611-33	DU-F3-C	85	86	68	51
LCS 620-42004/4-A	Lab Control Sample	100	113	91	107
LCS 620-42103/4-A	Lab Control Sample	99	103	94	99
LCS 620-42224/2-A	Lab Control Sample	97	101	102	102
LCSD 620-42004/5-A	Lab Control Sample Dup	109	119	103	120
LCSD 620-42103/5-A	Lab Control Sample Dup	99	104	103	95
LCSD 620-42224/3-A	Lab Control Sample Dup	89	92	100	101
MB 620-42004/1-A	Method Blank	91	102	89	88
MB 620-42103/1-A	Method Blank	96	104	104	91
MB 620-42224/1-A	Method Blank	102	110	115	107

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl (Surr)

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 620-42004/1-A
Matrix: Solid
Analysis Batch: 42084

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42004

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.0	0.48	ug/Kg		12/02/24 16:37	12/04/24 11:48	1
beta-BHC	ND		5.0	0.65	ug/Kg		12/02/24 16:37	12/04/24 11:48	1
delta-BHC	ND		5.0	0.83	ug/Kg		12/02/24 16:37	12/04/24 11:48	1
gamma-BHC (Lindane)	ND		2.0	0.45	ug/Kg		12/02/24 16:37	12/04/24 11:48	1
Heptachlor	ND		5.0	0.61	ug/Kg		12/02/24 16:37	12/04/24 11:48	1
Aldrin	ND		5.0	0.47	ug/Kg		12/02/24 16:37	12/04/24 11:48	1
Heptachlor epoxide	ND		5.0	0.52	ug/Kg		12/02/24 16:37	12/04/24 11:48	1
Endosulfan I	ND		5.0	0.52	ug/Kg		12/02/24 16:37	12/04/24 11:48	1
Dieldrin	ND		5.0	0.55	ug/Kg		12/02/24 16:37	12/04/24 11:48	1
4,4'-DDE	ND		8.0	0.66	ug/Kg		12/02/24 16:37	12/04/24 11:48	1
Endrin	ND		8.0	0.71	ug/Kg		12/02/24 16:37	12/04/24 11:48	1
Endosulfan II	ND		8.0	0.52	ug/Kg		12/02/24 16:37	12/04/24 11:48	1
4,4'-DDD	ND		8.0	1.2	ug/Kg		12/02/24 16:37	12/04/24 11:48	1
Endosulfan sulfate	ND		8.0	0.53	ug/Kg		12/02/24 16:37	12/04/24 11:48	1
4,4'-DDT	ND		8.0	1.3	ug/Kg		12/02/24 16:37	12/04/24 11:48	1
Methoxychlor	ND		8.0	1.5	ug/Kg		12/02/24 16:37	12/04/24 11:48	1
Endrin ketone	ND		8.0	0.56	ug/Kg		12/02/24 16:37	12/04/24 11:48	1
Endrin aldehyde	ND		8.0	0.93	ug/Kg		12/02/24 16:37	12/04/24 11:48	1
cis-Chlordane	ND		5.0	0.49	ug/Kg		12/02/24 16:37	12/04/24 11:48	1
trans-Chlordane	ND		5.0	0.72	ug/Kg		12/02/24 16:37	12/04/24 11:48	1
Toxaphene	ND		100	71	ug/Kg		12/02/24 16:37	12/04/24 11:48	1
Alachlor	ND		5.0	1.4	ug/Kg		12/02/24 16:37	12/04/24 11:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*30 - 150*	*12/02/24 16:37*	*12/04/24 11:48*	*1*
Tetrachloro-m-xylene	*102*		*30 - 150*	*12/02/24 16:37*	*12/04/24 11:48*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*30 - 150*	*12/02/24 16:37*	*12/04/24 11:48*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*30 - 150*	*12/02/24 16:37*	*12/04/24 11:48*	*1*

Lab Sample ID: LCS 620-42004/4-A
Matrix: Solid
Analysis Batch: 42084

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42004

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
alpha-BHC	13.4	11.5		ug/Kg		86	48 - 112
alpha-BHC	13.4	12.9		ug/Kg		96	48 - 112
beta-BHC	13.3	10.8		ug/Kg		81	55 - 117
beta-BHC	13.3	12.7		ug/Kg		95	55 - 117
delta-BHC	13.4	12.5		ug/Kg		93	51 - 113
delta-BHC	13.4	12.1		ug/Kg		90	51 - 113
gamma-BHC (Lindane)	13.5	12.2		ug/Kg		90	51 - 113
gamma-BHC (Lindane)	13.5	12.7		ug/Kg		94	51 - 113
Heptachlor	13.4	11.9		ug/Kg		89	52 - 115
Heptachlor	13.4	11.9		ug/Kg		89	52 - 115
Aldrin	13.4	11.6		ug/Kg		87	46 - 115
Aldrin	13.4	12.3		ug/Kg		92	46 - 115
Heptachlor epoxide	13.3	11.4		ug/Kg		86	51 - 116
Heptachlor epoxide	13.3	11.4		ug/Kg		86	51 - 116

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 620-42004/4-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 42084 — **Prep Batch: 42004**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Endosulfan I	13.3	12.7		ug/Kg		95	53 - 126
Endosulfan I	13.3	12.4		ug/Kg		93	53 - 126
Dieldrin	13.4	12.2		ug/Kg		91	59 - 120
Dieldrin	13.4	13.2		ug/Kg		99	59 - 120
4,4'-DDE	13.4	11.8		ug/Kg		88	56 - 118
4,4'-DDE	13.4	12.0		ug/Kg		90	56 - 118
Endrin	13.4	16.2		ug/Kg		121	60 - 140
Endrin	13.4	15.9		ug/Kg		118	60 - 140
Endosulfan II	13.3	11.9		ug/Kg		89	53 - 128
Endosulfan II	13.3	11.4		ug/Kg		85	53 - 128
4,4'-DDD	13.4	12.5		ug/Kg		93	60 - 125
4,4'-DDD	13.4	13.9		ug/Kg		104	60 - 125
Endosulfan sulfate	13.4	12.3		ug/Kg		92	47 - 138
Endosulfan sulfate	13.4	12.0		ug/Kg		89	47 - 138
4,4'-DDT	13.5	12.8		ug/Kg		95	60 - 140
4,4'-DDT	13.5	15.2		ug/Kg		113	60 - 140
Methoxychlor	13.3	13.0		ug/Kg		98	60 - 140
Methoxychlor	13.3	14.5		ug/Kg		109	60 - 140
Endrin ketone	13.4	10.8		ug/Kg		80	50 - 123
Endrin ketone	13.4	11.0		ug/Kg		82	50 - 123
Endrin aldehyde	13.4	10.7		ug/Kg		79	25 - 132
Endrin aldehyde	13.4	11.0		ug/Kg		82	25 - 132
cis-Chlordane	13.4	12.0		ug/Kg		89	51 - 121
cis-Chlordane	13.4	10.7		ug/Kg		80	51 - 121
trans-Chlordane	13.4	11.8		ug/Kg		88	47 - 129
trans-Chlordane	13.4	11.6		ug/Kg		86	47 - 129
Alachlor	13.4	13.0		ug/Kg		97	55 - 130
Alachlor	13.4	11.4		ug/Kg		86	55 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*100*		*30 - 150*
Tetrachloro-m-xylene	*113*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*91*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*107*		*30 - 150*

Lab Sample ID: LCSD 620-42004/5-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 42084 — **Prep Batch: 42004**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
alpha-BHC	13.4	12.6		ug/Kg		94	48 - 112	9	30
alpha-BHC	13.4	14.1		ug/Kg		105	48 - 112	9	30
beta-BHC	13.3	12.4		ug/Kg		93	55 - 117	13	30
beta-BHC	13.3	14.1		ug/Kg		106	55 - 117	11	30
delta-BHC	13.4	14.2		ug/Kg		106	51 - 113	12	30
delta-BHC	13.4	13.7		ug/Kg		102	51 - 113	12	30
gamma-BHC (Lindane)	13.5	13.3		ug/Kg		99	51 - 113	9	30
gamma-BHC (Lindane)	13.5	13.9		ug/Kg		103	51 - 113	9	30

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 620-42004/5-A
Matrix: Solid
Analysis Batch: 42084

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 42004

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Heptachlor			13.4	13.0		ug/Kg		97	52 - 115	9	30
Heptachlor			13.4	12.9		ug/Kg		96	52 - 115	8	30
Aldrin			13.4	12.6		ug/Kg		95	46 - 115	9	30
Aldrin			13.4	13.6		ug/Kg		102	46 - 115	10	30
Heptachlor epoxide			13.3	12.5		ug/Kg		94	51 - 116	9	30
Heptachlor epoxide			13.3	12.5		ug/Kg		93	51 - 116	8	30
Endosulfan I			13.3	13.7		ug/Kg		103	53 - 126	8	30
Endosulfan I			13.3	11.5		ug/Kg		86	53 - 126	8	30
Dieldrin			13.4	13.2		ug/Kg		99	59 - 120	8	30
Dieldrin			13.4	14.6		ug/Kg		109	59 - 120	10	30
4,4'-DDE			13.4	13.1		ug/Kg		98	56 - 118	11	30
4,4'-DDE			13.4	15.6		ug/Kg		116	56 - 118	26	30
Endrin			13.4	17.7		ug/Kg		132	60 - 140	9	30
Endrin			13.4	17.4		ug/Kg		130	60 - 140	9	30
Endosulfan II			13.3	12.8		ug/Kg		96	53 - 128	7	30
Endosulfan II			13.3	12.5		ug/Kg		94	53 - 128	9	30
4,4'-DDD			13.4	13.5		ug/Kg		101	60 - 125	8	30
4,4'-DDD			13.4	15.2		ug/Kg		113	60 - 125	9	30
Endosulfan sulfate			13.4	13.4		ug/Kg		100	47 - 138	9	30
Endosulfan sulfate			13.4	13.4		ug/Kg		100	47 - 138	11	30
4,4'-DDT			13.5	13.4		ug/Kg		99	60 - 140	4	30
4,4'-DDT			13.5	16.2		ug/Kg		121	60 - 140	7	30
Methoxychlor			13.3	14.3		ug/Kg		107	60 - 140	9	30
Methoxychlor			13.3	15.6		ug/Kg		117	60 - 140	7	30
Endrin ketone			13.4	12.0		ug/Kg		89	50 - 123	11	30
Endrin ketone			13.4	11.9		ug/Kg		89	50 - 123	8	30
Endrin aldehyde			13.4	11.5		ug/Kg		85	25 - 132	7	30
Endrin aldehyde			13.4	11.7		ug/Kg		87	25 - 132	6	30
cis-Chlordane			13.4	12.9		ug/Kg		96	51 - 121	8	30
cis-Chlordane			13.4	12.2		ug/Kg		90	51 - 121	12	30
trans-Chlordane			13.4	12.6		ug/Kg		94	47 - 129	7	30
trans-Chlordane			13.4	12.6		ug/Kg		94	47 - 129	9	30
Alachlor			13.4	14.3		ug/Kg		107	55 - 130	10	30
Alachlor			13.4	12.6		ug/Kg		95	55 - 130	10	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*109*		*30 - 150*
Tetrachloro-m-xylene	*119*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*103*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*120*		*30 - 150*

Lab Sample ID: MB 620-42103/1-A
Matrix: Solid
Analysis Batch: 42247

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42103

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.0	0.48	ug/Kg		12/04/24 11:32	12/09/24 10:18	1
beta-BHC	ND		5.0	0.65	ug/Kg		12/04/24 11:32	12/09/24 10:18	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 620-42103/1-A
Matrix: Solid
Analysis Batch: 42247

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42103

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	ND		5.0	0.83	ug/Kg		12/04/24 11:32	12/09/24 10:18	1
gamma-BHC (Lindane)	ND		2.0	0.45	ug/Kg		12/04/24 11:32	12/09/24 10:18	1
Heptachlor	ND		5.0	0.61	ug/Kg		12/04/24 11:32	12/09/24 10:18	1
Aldrin	ND		5.0	0.47	ug/Kg		12/04/24 11:32	12/09/24 10:18	1
Heptachlor epoxide	ND		5.0	0.52	ug/Kg		12/04/24 11:32	12/09/24 10:18	1
Endosulfan I	ND		5.0	0.52	ug/Kg		12/04/24 11:32	12/09/24 10:18	1
Dieldrin	ND		5.0	0.55	ug/Kg		12/04/24 11:32	12/09/24 10:18	1
4,4'-DDE	ND		8.0	0.66	ug/Kg		12/04/24 11:32	12/09/24 10:18	1
Endrin	ND		8.0	0.71	ug/Kg		12/04/24 11:32	12/09/24 10:18	1
Endosulfan II	ND		8.0	0.52	ug/Kg		12/04/24 11:32	12/09/24 10:18	1
4,4'-DDD	ND		8.0	1.2	ug/Kg		12/04/24 11:32	12/09/24 10:18	1
Endosulfan sulfate	ND		8.0	0.53	ug/Kg		12/04/24 11:32	12/09/24 10:18	1
4,4'-DDT	ND		8.0	1.3	ug/Kg		12/04/24 11:32	12/09/24 10:18	1
Methoxychlor	ND		8.0	1.5	ug/Kg		12/04/24 11:32	12/09/24 10:18	1
Endrin ketone	ND		8.0	0.56	ug/Kg		12/04/24 11:32	12/09/24 10:18	1
Endrin aldehyde	ND		8.0	0.93	ug/Kg		12/04/24 11:32	12/09/24 10:18	1
cis-Chlordane	ND		5.0	0.49	ug/Kg		12/04/24 11:32	12/09/24 10:18	1
trans-Chlordane	ND		5.0	0.72	ug/Kg		12/04/24 11:32	12/09/24 10:18	1
Toxaphene	ND		100	71	ug/Kg		12/04/24 11:32	12/09/24 10:18	1
Alachlor	ND		5.0	1.4	ug/Kg		12/04/24 11:32	12/09/24 10:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*30 - 150*	*12/04/24 11:32*	*12/09/24 10:18*	*1*
Tetrachloro-m-xylene	*104*		*30 - 150*	*12/04/24 11:32*	*12/09/24 10:18*	*1*
DCB Decachlorobiphenyl (Surr)	*104*		*30 - 150*	*12/04/24 11:32*	*12/09/24 10:18*	*1*
DCB Decachlorobiphenyl (Surr)	*91*		*30 - 150*	*12/04/24 11:32*	*12/09/24 10:18*	*1*

Lab Sample ID: LCS 620-42103/4-A
Matrix: Solid
Analysis Batch: 42247

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42103

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
alpha-BHC	13.4	11.9		ug/Kg		89	48 - 112
alpha-BHC	13.4	12.9		ug/Kg		96	48 - 112
beta-BHC	13.3	11.1		ug/Kg		83	55 - 117
beta-BHC	13.3	12.4		ug/Kg		93	55 - 117
delta-BHC	13.4	12.6		ug/Kg		94	51 - 113
delta-BHC	13.4	12.0		ug/Kg		90	51 - 113
gamma-BHC (Lindane)	13.5	12.3		ug/Kg		92	51 - 113
gamma-BHC (Lindane)	13.5	12.7		ug/Kg		94	51 - 113
Heptachlor	13.4	11.9		ug/Kg		89	52 - 115
Heptachlor	13.4	11.2		ug/Kg		84	52 - 115
Aldrin	13.4	12.1		ug/Kg		90	46 - 115
Aldrin	13.4	12.6		ug/Kg		95	46 - 115
Heptachlor epoxide	13.3	12.2		ug/Kg		91	51 - 116
Heptachlor epoxide	13.3	11.5		ug/Kg		86	51 - 116
Endosulfan I	13.3	13.5		ug/Kg		101	53 - 126
Endosulfan I	13.3	11.6		ug/Kg		87	53 - 126

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 620-42103/4-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 42247 — **Prep Batch: 42103**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dieldrin	13.4	13.0		ug/Kg		97	59 - 120
Dieldrin	13.4	13.9		ug/Kg		104	59 - 120
4,4'-DDE	13.4	13.3		ug/Kg		99	56 - 118
4,4'-DDE	13.4	14.7		ug/Kg		109	56 - 118
Endrin	13.4	17.2		ug/Kg		128	60 - 140
Endrin	13.4	16.5		ug/Kg		123	60 - 140
Endosulfan II	13.3	12.7		ug/Kg		95	53 - 128
Endosulfan II	13.3	12.3		ug/Kg		93	53 - 128
4,4'-DDD	13.4	14.0		ug/Kg		104	60 - 125
4,4'-DDD	13.4	15.3		ug/Kg		114	60 - 125
Endosulfan sulfate	13.4	12.5		ug/Kg		93	47 - 138
Endosulfan sulfate	13.4	12.1		ug/Kg		90	47 - 138
4,4'-DDT	13.5	10.9		ug/Kg		81	60 - 140
4,4'-DDT	13.5	13.7		ug/Kg		102	60 - 140
Methoxychlor	13.3	11.7		ug/Kg		88	60 - 140
Methoxychlor	13.3	14.1		ug/Kg		106	60 - 140
Endrin ketone	13.4	11.0		ug/Kg		82	50 - 123
Endrin ketone	13.4	11.3		ug/Kg		84	50 - 123
Endrin aldehyde	13.4	10.5		ug/Kg		78	25 - 132
Endrin aldehyde	13.4	12.5		ug/Kg		93	25 - 132
cis-Chlordane	13.4	12.7		ug/Kg		94	51 - 121
cis-Chlordane	13.4	11.6		ug/Kg		86	51 - 121
trans-Chlordane	13.4	12.4		ug/Kg		93	47 - 129
trans-Chlordane	13.4	11.6		ug/Kg		87	47 - 129
Alachlor	13.4	12.9		ug/Kg		97	55 - 130
Alachlor	13.4	11.7		ug/Kg		88	55 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*99*		*30 - 150*
Tetrachloro-m-xylene	*103*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*94*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*99*		*30 - 150*

Lab Sample ID: LCSD 620-42103/5-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 42247 — **Prep Batch: 42103**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
alpha-BHC	13.4	11.9		ug/Kg		89	48 - 112	0	30
alpha-BHC	13.4	13.0		ug/Kg		97	48 - 112	0	30
beta-BHC	13.3	10.5		ug/Kg		79	55 - 117	5	30
beta-BHC	13.3	12.1		ug/Kg		90	55 - 117	2	30
delta-BHC	13.4	12.0		ug/Kg		89	51 - 113	5	30
delta-BHC	13.4	11.6		ug/Kg		86	51 - 113	4	30
gamma-BHC (Lindane)	13.5	12.2		ug/Kg		91	51 - 113	1	30
gamma-BHC (Lindane)	13.5	12.8		ug/Kg		95	51 - 113	1	30
Heptachlor	13.4	11.9		ug/Kg		89	52 - 115	0	30
Heptachlor	13.4	11.6		ug/Kg		87	52 - 115	3	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 620-42103/5-A
Matrix: Solid
Analysis Batch: 42247

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 42103

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin			13.4	12.0		ug/Kg		90	46 - 115	0	30
Aldrin			13.4	12.9		ug/Kg		96	46 - 115	2	30
Heptachlor epoxide			13.3	11.9		ug/Kg		89	51 - 116	3	30
Heptachlor epoxide			13.3	11.7		ug/Kg		88	51 - 116	2	30
Endosulfan I			13.3	13.1		ug/Kg		98	53 - 126	4	30
Endosulfan I			13.3	11.5		ug/Kg		86	53 - 126	1	30
Dieldrin			13.4	12.5		ug/Kg		94	59 - 120	4	30
Dieldrin			13.4	13.4		ug/Kg		101	59 - 120	3	30
4,4'-DDE			13.4	12.7		ug/Kg		95	56 - 118	5	30
4,4'-DDE			13.4	14.4		ug/Kg		107	56 - 118	2	30
Endrin			13.4	16.6		ug/Kg		124	60 - 140	3	30
Endrin			13.4	16.2		ug/Kg		121	60 - 140	2	30
Endosulfan II			13.3	12.0		ug/Kg		90	53 - 128	6	30
Endosulfan II			13.3	11.9		ug/Kg		89	53 - 128	3	30
4,4'-DDD			13.4	13.2		ug/Kg		98	60 - 125	6	30
4,4'-DDD			13.4	14.6		ug/Kg		109	60 - 125	4	30
Endosulfan sulfate			13.4	12.3		ug/Kg		92	47 - 138	2	30
Endosulfan sulfate			13.4	12.1		ug/Kg		90	47 - 138	1	30
4,4'-DDT			13.5	10.7		ug/Kg		79	60 - 140	2	30
4,4'-DDT			13.5	13.7		ug/Kg		102	60 - 140	0	30
Methoxychlor			13.3	11.5		ug/Kg		86	60 - 140	2	30
Methoxychlor			13.3	13.7		ug/Kg		103	60 - 140	3	30
Endrin ketone			13.4	10.7		ug/Kg		80	50 - 123	3	30
Endrin ketone			13.4	11.1		ug/Kg		83	50 - 123	1	30
Endrin aldehyde			13.4	10.9		ug/Kg		82	25 - 132	5	30
Endrin aldehyde			13.4	12.3		ug/Kg		91	25 - 132	2	30
cis-Chlordane			13.4	12.1		ug/Kg		90	51 - 121	4	30
cis-Chlordane			13.4	11.4		ug/Kg		85	51 - 121	2	30
trans-Chlordane			13.4	12.2		ug/Kg		91	47 - 129	2	30
trans-Chlordane			13.4	11.6		ug/Kg		87	47 - 129	0	30
Alachlor			13.4	12.6		ug/Kg		94	55 - 130	3	30
Alachlor			13.4	11.4		ug/Kg		85	55 - 130	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*99*		*30 - 150*
Tetrachloro-m-xylene	*104*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*103*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*95*		*30 - 150*

Lab Sample ID: MB 620-42224/1-A
Matrix: Solid
Analysis Batch: 42322

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42224

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.0	0.48	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
beta-BHC	ND		5.0	0.65	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
delta-BHC	ND		5.0	0.83	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
gamma-BHC (Lindane)	ND		2.0	0.45	ug/Kg		12/06/24 15:52	12/10/24 11:11	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 620-42224/1-A
Matrix: Solid
Analysis Batch: 42322

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42224

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND		5.0	0.61	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Aldrin	ND		5.0	0.47	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Heptachlor epoxide	ND		5.0	0.52	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Endosulfan I	ND		5.0	0.52	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Dieldrin	ND		5.0	0.55	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
4,4'-DDE	ND		8.0	0.66	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Endrin	ND		8.0	0.71	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Endosulfan II	ND		8.0	0.52	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
4,4'-DDD	ND		8.0	1.2	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Endosulfan sulfate	ND		8.0	0.53	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
4,4'-DDT	ND		8.0	1.3	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Methoxychlor	ND		8.0	1.5	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Endrin ketone	ND		8.0	0.56	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Endrin aldehyde	ND		8.0	0.93	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
cis-Chlordane	ND		5.0	0.49	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
trans-Chlordane	ND		5.0	0.72	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Toxaphene	ND		100	71	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Alachlor	ND		5.0	1.4	ug/Kg		12/06/24 15:52	12/10/24 11:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*102*		*30 - 150*	*12/06/24 15:52*	*12/10/24 11:11*	*1*
Tetrachloro-m-xylene	*110*		*30 - 150*	*12/06/24 15:52*	*12/10/24 11:11*	*1*
DCB Decachlorobiphenyl (Surr)	*115*		*30 - 150*	*12/06/24 15:52*	*12/10/24 11:11*	*1*
DCB Decachlorobiphenyl (Surr)	*107*		*30 - 150*	*12/06/24 15:52*	*12/10/24 11:11*	*1*

Lab Sample ID: LCS 620-42224/2-A
Matrix: Solid
Analysis Batch: 42322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42224

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
alpha-BHC	13.4	11.6		ug/Kg		87	48 - 112
alpha-BHC	13.4	12.9		ug/Kg		96	48 - 112
beta-BHC	13.3	11.4		ug/Kg		85	55 - 117
beta-BHC	13.3	12.9		ug/Kg		97	55 - 117
delta-BHC	13.4	12.8		ug/Kg		95	51 - 113
delta-BHC	13.4	12.5		ug/Kg		93	51 - 113
gamma-BHC (Lindane)	13.5	11.9		ug/Kg		89	51 - 113
gamma-BHC (Lindane)	13.5	12.8		ug/Kg		95	51 - 113
Heptachlor	13.4	11.4		ug/Kg		85	52 - 115
Heptachlor	13.4	11.3		ug/Kg		84	52 - 115
Aldrin	13.4	11.4		ug/Kg		85	46 - 115
Aldrin	13.4	12.4		ug/Kg		93	46 - 115
Heptachlor epoxide	13.3	11.3		ug/Kg		85	51 - 116
Heptachlor epoxide	13.3	11.3		ug/Kg		85	51 - 116
Endosulfan I	13.3	12.4		ug/Kg		93	53 - 126
Endosulfan I	13.3	11.5		ug/Kg		86	53 - 126
Dieldrin	13.4	11.8		ug/Kg		89	59 - 120
Dieldrin	13.4	13.0		ug/Kg		97	59 - 120

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 620-42224/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 42322 — **Prep Batch: 42224**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
4,4'-DDE			13.4	12.0		ug/Kg		89	56 - 118		
4,4'-DDE			13.4	10.1		ug/Kg		75	56 - 118		
Endrin			13.4	15.6		ug/Kg		117	60 - 140		
Endrin			13.4	15.2		ug/Kg		114	60 - 140		
Endosulfan II			13.3	11.7		ug/Kg		87	53 - 128		
Endosulfan II			13.3	11.4		ug/Kg		85	53 - 128		
4,4'-DDD			13.4	12.3		ug/Kg		92	60 - 125		
4,4'-DDD			13.4	13.7		ug/Kg		102	60 - 125		
Endosulfan sulfate			13.4	11.1		ug/Kg		83	47 - 138		
Endosulfan sulfate			13.4	11.2		ug/Kg		83	47 - 138		
4,4'-DDT			13.5	11.2		ug/Kg		83	60 - 140		
4,4'-DDT			13.5	13.2		ug/Kg		98	60 - 140		
Methoxychlor			13.3	11.1		ug/Kg		83	60 - 140		
Methoxychlor			13.3	12.4		ug/Kg		93	60 - 140		
Endrin ketone			13.4	10.3		ug/Kg		77	50 - 123		
Endrin ketone			13.4	10.5		ug/Kg		78	50 - 123		
Endrin aldehyde			13.4	9.01		ug/Kg		67	25 - 132		
Endrin aldehyde			13.4	10.6		ug/Kg		79	25 - 132		
cis-Chlordane			13.4	11.8		ug/Kg		88	51 - 121		
cis-Chlordane			13.4	11.4		ug/Kg		85	51 - 121		
trans-Chlordane			13.4	12.1		ug/Kg		90	47 - 129		
trans-Chlordane			13.4	11.3		ug/Kg		84	47 - 129		
Alachlor			13.4	13.7		ug/Kg		102	55 - 130		
Alachlor			13.4	11.4		ug/Kg		85	55 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*97*		*30 - 150*
Tetrachloro-m-xylene	*101*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*102*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*102*		*30 - 150*

Lab Sample ID: LCSD 620-42224/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 42322 — **Prep Batch: 42224**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
alpha-BHC			13.4	11.0		ug/Kg		82	48 - 112	6	30
alpha-BHC			13.4	12.2		ug/Kg		91	48 - 112	5	30
beta-BHC			13.3	10.9		ug/Kg		81	55 - 117	5	30
beta-BHC			13.3	12.3		ug/Kg		92	55 - 117	5	30
delta-BHC			13.4	12.3		ug/Kg		92	51 - 113	4	30
delta-BHC			13.4	12.2		ug/Kg		91	51 - 113	3	30
gamma-BHC (Lindane)			13.5	11.3		ug/Kg		84	51 - 113	5	30
gamma-BHC (Lindane)			13.5	12.1		ug/Kg		90	51 - 113	5	30
Heptachlor			13.4	10.8		ug/Kg		81	52 - 115	5	30
Heptachlor			13.4	10.7		ug/Kg		80	52 - 115	5	30
Aldrin			13.4	10.8		ug/Kg		81	46 - 115	5	30
Aldrin			13.4	11.8		ug/Kg		88	46 - 115	5	30

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 620-42224/3-A
Matrix: Solid
Analysis Batch: 42322

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 42224

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Heptachlor epoxide			13.3	10.9		ug/Kg		82	51 - 116	4	30
Heptachlor epoxide			13.3	10.9		ug/Kg		81	51 - 116	4	30
Endosulfan I			13.3	11.9		ug/Kg		89	53 - 126	4	30
Endosulfan I			13.3	13.8		ug/Kg		104	53 - 126	18	30
Dieldrin			13.4	11.5		ug/Kg		86	59 - 120	3	30
Dieldrin			13.4	12.6		ug/Kg		95	59 - 120	2	30
4,4'-DDE			13.4	11.6		ug/Kg		87	56 - 118	3	30
4,4'-DDE			13.4	9.77		ug/Kg		73	56 - 118	3	30
Endrin			13.4	15.2		ug/Kg		114	60 - 140	2	30
Endrin			13.4	14.9		ug/Kg		111	60 - 140	2	30
Endosulfan II			13.3	11.5		ug/Kg		86	53 - 128	1	30
Endosulfan II			13.3	11.4		ug/Kg		85	53 - 128	0	30
4,4'-DDD			13.4	12.2		ug/Kg		91	60 - 125	1	30
4,4'-DDD			13.4	13.8		ug/Kg		103	60 - 125	1	30
Endosulfan sulfate			13.4	11.1		ug/Kg		83	47 - 138	0	30
Endosulfan sulfate			13.4	11.2		ug/Kg		84	47 - 138	1	30
4,4'-DDT			13.5	10.9		ug/Kg		81	60 - 140	3	30
4,4'-DDT			13.5	13.3		ug/Kg		98	60 - 140	1	30
Methoxychlor			13.3	11.1		ug/Kg		83	60 - 140	0	30
Methoxychlor			13.3	12.9		ug/Kg		96	60 - 140	3	30
Endrin ketone			13.4	10.3		ug/Kg		77	50 - 123	1	30
Endrin ketone			13.4	10.6		ug/Kg		79	50 - 123	2	30
Endrin aldehyde			13.4	8.97		ug/Kg		67	25 - 132	1	30
Endrin aldehyde			13.4	10.4		ug/Kg		78	25 - 132	1	30
cis-Chlordane			13.4	11.3		ug/Kg		84	51 - 121	4	30
cis-Chlordane			13.4	11.0		ug/Kg		82	51 - 121	3	30
trans-Chlordane			13.4	11.6		ug/Kg		86	47 - 129	5	30
trans-Chlordane			13.4	10.9		ug/Kg		81	47 - 129	4	30
Alachlor			13.4	13.4		ug/Kg		100	55 - 130	2	30
Alachlor			13.4	11.2		ug/Kg		84	55 - 130	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*89*		*30 - 150*
Tetrachloro-m-xylene	*92*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*100*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*101*		*30 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 620-41997/1-A
Matrix: Solid
Analysis Batch: 42063

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41997

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.5	0.71	mg/Kg		12/02/24 12:02	12/03/24 15:23	1
Arsenic	ND		2.8	0.36	mg/Kg		12/02/24 12:02	12/03/24 15:23	1
Beryllium	ND		0.95	0.048	mg/Kg		12/02/24 12:02	12/03/24 15:23	1
Barium	ND		1.9	0.22	mg/Kg		12/02/24 12:02	12/03/24 15:23	1
Cadmium	ND		0.95	0.049	mg/Kg		12/02/24 12:02	12/03/24 15:23	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 620-41997/1-A
Matrix: Solid
Analysis Batch: 42063

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41997

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		1.9	0.25	mg/Kg		12/02/24 12:02	12/03/24 15:23	1
Copper	ND		1.9	0.45	mg/Kg		12/02/24 12:02	12/03/24 15:23	1
Lead	ND		2.8	0.40	mg/Kg		12/02/24 12:02	12/03/24 15:23	1
Nickel	ND		1.9	0.22	mg/Kg		12/02/24 12:02	12/03/24 15:23	1
Selenium	ND		2.8	0.54	mg/Kg		12/02/24 12:02	12/03/24 15:23	1
Silver	ND		2.8	0.31	mg/Kg		12/02/24 12:02	12/03/24 15:23	1
Thallium	ND		5.7	2.1	mg/Kg		12/02/24 12:02	12/03/24 15:23	1
Zinc	ND		5.7	1.5	mg/Kg		12/02/24 12:02	12/03/24 15:23	1

Lab Sample ID: LCSSRM 620-41997/2-A ^4
Matrix: Solid
Analysis Batch: 42063

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41997

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	141	117		mg/Kg		82.5	0.0 - 200.8
Arsenic	283	278		mg/Kg		98.4	81.8 - 118.6
Beryllium	187	170		mg/Kg		90.8	82.5 - 117.5
Barium	345	341		mg/Kg		98.9	81.7 - 118.3
Cadmium	98.5	94.8		mg/Kg		96.2	82.2 - 117.8
Chromium	279	245		mg/Kg		87.6	72.4 - 106.3
Copper	254	207		mg/Kg		81.5	74.7 - 105.1
Lead	227	220		mg/Kg		97.1	82.0 - 118.6
Nickel	348	344		mg/Kg		98.9	82.2 - 117.8
Selenium	318	316		mg/Kg		99.5	80.1 - 119.5
Silver	89.6	82.7		mg/Kg		92.2	79.5 - 120.5
Thallium	126	127		mg/Kg		101.0	80.0 - 119.4
Zinc	276	264		mg/Kg		95.6	80.1 - 120.3

Lab Sample ID: MB 620-42042/1-A
Matrix: Solid
Analysis Batch: 42164

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42042

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.0	0.38	mg/Kg		12/03/24 12:46	12/04/24 16:50	1
Arsenic	ND		1.5	0.19	mg/Kg		12/03/24 12:46	12/04/24 16:50	1
Beryllium	ND		0.50	0.025	mg/Kg		12/03/24 12:46	12/04/24 16:50	1
Barium	ND		1.0	0.12	mg/Kg		12/03/24 12:46	12/04/24 16:50	1
Cadmium	ND		0.50	0.026	mg/Kg		12/03/24 12:46	12/04/24 16:50	1
Chromium	ND		1.0	0.13	mg/Kg		12/03/24 12:46	12/04/24 16:50	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 620-42042/1-A
Matrix: Solid
Analysis Batch: 42164

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42042

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		1.0	0.24	mg/Kg		12/03/24 12:46	12/04/24 16:50	1
Lead	ND		1.5	0.21	mg/Kg		12/03/24 12:46	12/04/24 16:50	1
Nickel	ND		1.0	0.12	mg/Kg		12/03/24 12:46	12/04/24 16:50	1
Selenium	ND		1.5	0.29	mg/Kg		12/03/24 12:46	12/04/24 16:50	1
Silver	ND		1.5	0.16	mg/Kg		12/03/24 12:46	12/04/24 16:50	1
Thallium	ND		3.0	1.1	mg/Kg		12/03/24 12:46	12/04/24 16:50	1
Zinc	ND		3.0	0.77	mg/Kg		12/03/24 12:46	12/04/24 16:50	1

Lab Sample ID: LCSSRM 620-42042/2-A ^5
Matrix: Solid
Analysis Batch: 42164

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42042

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	121	92.1		mg/Kg		76.1	0.0 - 200.8
Arsenic	242	218		mg/Kg		89.9	81.8 - 118.6
Beryllium	160	159		mg/Kg		99.5	82.5 - 117.5
Barium	295	244		mg/Kg		82.6	81.7 - 118.3
Cadmium	84.3	83.1		mg/Kg		98.6	82.2 - 117.8
Chromium	239	202		mg/Kg		84.3	72.4 - 106.3
Copper	217	194		mg/Kg		89.5	74.7 - 105.1
Lead	194	177		mg/Kg		91.5	82.0 - 118.6
Nickel	298	275		mg/Kg		92.2	82.2 - 117.8
Selenium	272	248		mg/Kg		91.2	80.1 - 119.5
Silver	76.7	68.9		mg/Kg		89.8	79.5 - 120.5
Thallium	108	100		mg/Kg		92.7	80.0 - 119.4
Zinc	236	219		mg/Kg		92.7	80.1 - 120.3

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 620-41974/1-A
Matrix: Solid
Analysis Batch: 42027

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41974

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.050	0.0083	mg/Kg		12/02/24 08:49	12/02/24 13:17	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCSSRM 620-41974/2-A ^50
Matrix: Solid
Analysis Batch: 42027

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41974

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			22.8	21.7		mg/Kg		95.2	70.6 - 129.4		

Lab Sample ID: MB 620-41975/1-A
Matrix: Solid
Analysis Batch: 42027

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 41975

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.050	0.0083	mg/Kg		12/02/24 08:51	12/02/24 14:22	1

Lab Sample ID: LCSSRM 620-41975/2-A ^50
Matrix: Solid
Analysis Batch: 42027

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 41975

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			22.8	23.4		mg/Kg		102.4	70.6 - 129.4		

Lab Sample ID: 620-22611-12 MS
Matrix: Solid
Analysis Batch: 42027

Client Sample ID: SD-2
Prep Type: Total/NA
Prep Batch: 41975

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.36		0.217	0.625		mg/Kg	☼	122	75 - 125		

Lab Sample ID: 620-22611-12 MSD
Matrix: Solid
Analysis Batch: 42027

Client Sample ID: SD-2
Prep Type: Total/NA
Prep Batch: 41975

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.36		0.223	0.606		mg/Kg	☼	111	75 - 125	3	20

Lab Sample ID: 620-22611-12 DU
Matrix: Solid
Analysis Batch: 42027

Client Sample ID: SD-2
Prep Type: Total/NA
Prep Batch: 41975

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.36		0.430		mg/Kg	☼	18	20

Lab Sample ID: MB 620-42198/1-A
Matrix: Solid
Analysis Batch: 42272

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42198

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.050	0.0083	mg/Kg		12/06/24 09:09	12/06/24 16:45	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCSSRM 620-42198/2-A ^50
Matrix: Solid
Analysis Batch: 42272

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42198

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			22.8	20.4		mg/Kg		89.3	70.6 - 129.4		

Lab Sample ID: 620-22611-32 MS
Matrix: Solid
Analysis Batch: 42272

Client Sample ID: DU-F3-B
Prep Type: Total/NA
Prep Batch: 42198

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.053		0.173	0.211		mg/Kg	☼	91	75 - 125		

Lab Sample ID: 620-22611-32 MSD
Matrix: Solid
Analysis Batch: 42272

Client Sample ID: DU-F3-B
Prep Type: Total/NA
Prep Batch: 42198

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.053		0.190	0.232		mg/Kg	☼	94	75 - 125	9	20

Lab Sample ID: 620-22611-32 DU
Matrix: Solid
Analysis Batch: 42272

Client Sample ID: DU-F3-B
Prep Type: Total/NA
Prep Batch: 42198

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.053			0.0551		mg/Kg	☼			3	20

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

GC Semi VOA

Prep Batch: 42004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22611-1	SD-4	Total/NA	Solid	3546	
620-22611-2	DU-T1-A	Total/NA	Solid	3546	
620-22611-3	DU-T1-B	Total/NA	Solid	3546	
620-22611-4	DU-T1-C	Total/NA	Solid	3546	
620-22611-6	SD-5-FD	Total/NA	Solid	3546	
620-22611-7	SD-3	Total/NA	Solid	3546	
620-22611-8	DU-G1-A	Total/NA	Solid	3546	
620-22611-9	DU-G1-B	Total/NA	Solid	3546	
620-22611-10	DU-G1-C	Total/NA	Solid	3546	
MB 620-42004/1-A	Method Blank	Total/NA	Solid	3546	
LCS 620-42004/4-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 620-42004/5-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 42084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22611-1	SD-4	Total/NA	Solid	8081B	42004
620-22611-2	DU-T1-A	Total/NA	Solid	8081B	42004
620-22611-3	DU-T1-B	Total/NA	Solid	8081B	42004
620-22611-4	DU-T1-C	Total/NA	Solid	8081B	42004
620-22611-6	SD-5-FD	Total/NA	Solid	8081B	42004
620-22611-7	SD-3	Total/NA	Solid	8081B	42004
620-22611-8	DU-G1-A	Total/NA	Solid	8081B	42004
620-22611-9	DU-G1-B	Total/NA	Solid	8081B	42004
MB 620-42004/1-A	Method Blank	Total/NA	Solid	8081B	42004
LCS 620-42004/4-A	Lab Control Sample	Total/NA	Solid	8081B	42004
LCSD 620-42004/5-A	Lab Control Sample Dup	Total/NA	Solid	8081B	42004

Prep Batch: 42103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22611-11	SD-1	Total/NA	Solid	3546	
620-22611-12	SD-2	Total/NA	Solid	3546	
620-22611-13	DU-F1-A	Total/NA	Solid	3546	
620-22611-14	DU-F1-B	Total/NA	Solid	3546	
620-22611-15	DU-F1-C	Total/NA	Solid	3546	
620-22611-16	DU-T2-A	Total/NA	Solid	3546	
620-22611-17	DU-T2-B	Total/NA	Solid	3546	
620-22611-18	DU-T2-C	Total/NA	Solid	3546	
620-22611-19	DU-G2-A	Total/NA	Solid	3546	
620-22611-20	DU-G2-B	Total/NA	Solid	3546	
620-22611-21	DU-G2-C	Total/NA	Solid	3546	
620-22611-22	DU-F2-A	Total/NA	Solid	3546	
MB 620-42103/1-A	Method Blank	Total/NA	Solid	3546	
LCS 620-42103/4-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 620-42103/5-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 42156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22611-8	DU-G1-A	Total/NA	Solid	8081B	42004
620-22611-9	DU-G1-B	Total/NA	Solid	8081B	42004
620-22611-10	DU-G1-C	Total/NA	Solid	8081B	42004
620-22611-10	DU-G1-C	Total/NA	Solid	8081B	42004

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

GC Semi VOA

Prep Batch: 42224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22611-23	DU-F2-B	Total/NA	Solid	3546	
620-22611-24	DU-F2-C	Total/NA	Solid	3546	
620-22611-25	DU-T3-A	Total/NA	Solid	3546	
620-22611-26	DU-T3-B	Total/NA	Solid	3546	
620-22611-27	DU-T3-C	Total/NA	Solid	3546	
620-22611-28	DU-G3-A	Total/NA	Solid	3546	
620-22611-29	DU-G3-B	Total/NA	Solid	3546	
620-22611-30	DU-G3-C	Total/NA	Solid	3546	
620-22611-31	DU-F3-A	Total/NA	Solid	3546	
620-22611-32	DU-F3-B	Total/NA	Solid	3546	
620-22611-33	DU-F3-C	Total/NA	Solid	3546	
MB 620-42224/1-A	Method Blank	Total/NA	Solid	3546	
LCS 620-42224/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 620-42224/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 42247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22611-11	SD-1	Total/NA	Solid	8081B	42103
620-22611-12	SD-2	Total/NA	Solid	8081B	42103
620-22611-13	DU-F1-A	Total/NA	Solid	8081B	42103
620-22611-14	DU-F1-B	Total/NA	Solid	8081B	42103
620-22611-15	DU-F1-C	Total/NA	Solid	8081B	42103
620-22611-16	DU-T2-A	Total/NA	Solid	8081B	42103
620-22611-17	DU-T2-B	Total/NA	Solid	8081B	42103
620-22611-18	DU-T2-C	Total/NA	Solid	8081B	42103
620-22611-19	DU-G2-A	Total/NA	Solid	8081B	42103
620-22611-20	DU-G2-B	Total/NA	Solid	8081B	42103
620-22611-21	DU-G2-C	Total/NA	Solid	8081B	42103
620-22611-22	DU-F2-A	Total/NA	Solid	8081B	42103
MB 620-42103/1-A	Method Blank	Total/NA	Solid	8081B	42103
LCS 620-42103/4-A	Lab Control Sample	Total/NA	Solid	8081B	42103
LCSD 620-42103/5-A	Lab Control Sample Dup	Total/NA	Solid	8081B	42103

Analysis Batch: 42322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22611-23	DU-F2-B	Total/NA	Solid	8081B	42224
620-22611-24	DU-F2-C	Total/NA	Solid	8081B	42224
620-22611-25	DU-T3-A	Total/NA	Solid	8081B	42224
620-22611-26	DU-T3-B	Total/NA	Solid	8081B	42224
620-22611-27	DU-T3-C	Total/NA	Solid	8081B	42224
620-22611-28	DU-G3-A	Total/NA	Solid	8081B	42224
620-22611-29	DU-G3-B	Total/NA	Solid	8081B	42224
620-22611-30	DU-G3-C	Total/NA	Solid	8081B	42224
620-22611-31	DU-F3-A	Total/NA	Solid	8081B	42224
620-22611-32	DU-F3-B	Total/NA	Solid	8081B	42224
620-22611-33	DU-F3-C	Total/NA	Solid	8081B	42224
MB 620-42224/1-A	Method Blank	Total/NA	Solid	8081B	42224
LCS 620-42224/2-A	Lab Control Sample	Total/NA	Solid	8081B	42224
LCSD 620-42224/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	42224

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

GC Semi VOA

Analysis Batch: 42349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22611-19	DU-G2-A	Total/NA	Solid	8081B	42103
620-22611-20	DU-G2-B	Total/NA	Solid	8081B	42103
620-22611-21	DU-G2-C	Total/NA	Solid	8081B	42103
620-22611-28	DU-G3-A	Total/NA	Solid	8081B	42224
620-22611-29	DU-G3-B	Total/NA	Solid	8081B	42224
620-22611-30	DU-G3-C	Total/NA	Solid	8081B	42224

Metals

Prep Batch: 41974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22611-1	SD-4	Total/NA	Solid	7471B	
620-22611-2	DU-T1-A	Total/NA	Solid	7471B	
620-22611-3	DU-T1-B	Total/NA	Solid	7471B	
620-22611-4	DU-T1-C	Total/NA	Solid	7471B	
620-22611-6	SD-5-FD	Total/NA	Solid	7471B	
620-22611-7	SD-3	Total/NA	Solid	7471B	
620-22611-8	DU-G1-A	Total/NA	Solid	7471B	
620-22611-9	DU-G1-B	Total/NA	Solid	7471B	
620-22611-10	DU-G1-C	Total/NA	Solid	7471B	
620-22611-11	SD-1	Total/NA	Solid	7471B	
MB 620-41974/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 620-41974/2-A ^50	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 41975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22611-12	SD-2	Total/NA	Solid	7471B	
620-22611-13	DU-F1-A	Total/NA	Solid	7471B	
620-22611-14	DU-F1-B	Total/NA	Solid	7471B	
620-22611-15	DU-F1-C	Total/NA	Solid	7471B	
620-22611-16	DU-T2-A	Total/NA	Solid	7471B	
620-22611-17	DU-T2-B	Total/NA	Solid	7471B	
620-22611-18	DU-T2-C	Total/NA	Solid	7471B	
620-22611-19	DU-G2-A	Total/NA	Solid	7471B	
620-22611-20	DU-G2-B	Total/NA	Solid	7471B	
620-22611-21	DU-G2-C	Total/NA	Solid	7471B	
620-22611-22	DU-F2-A	Total/NA	Solid	7471B	
620-22611-23	DU-F2-B	Total/NA	Solid	7471B	
620-22611-24	DU-F2-C	Total/NA	Solid	7471B	
620-22611-25	DU-T3-A	Total/NA	Solid	7471B	
620-22611-26	DU-T3-B	Total/NA	Solid	7471B	
620-22611-27	DU-T3-C	Total/NA	Solid	7471B	
620-22611-28	DU-G3-A	Total/NA	Solid	7471B	
620-22611-29	DU-G3-B	Total/NA	Solid	7471B	
620-22611-30	DU-G3-C	Total/NA	Solid	7471B	
620-22611-31	DU-F3-A	Total/NA	Solid	7471B	
MB 620-41975/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 620-41975/2-A ^50	Lab Control Sample	Total/NA	Solid	7471B	
620-22611-12 MS	SD-2	Total/NA	Solid	7471B	
620-22611-12 MSD	SD-2	Total/NA	Solid	7471B	
620-22611-12 DU	SD-2	Total/NA	Solid	7471B	

Metals

Prep Batch: 41997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22611-1	SD-4	Total/NA	Solid	3050B	
620-22611-2	DU-T1-A	Total/NA	Solid	3050B	
620-22611-3	DU-T1-B	Total/NA	Solid	3050B	
620-22611-4	DU-T1-C	Total/NA	Solid	3050B	
620-22611-6	SD-5-FD	Total/NA	Solid	3050B	
620-22611-7	SD-3	Total/NA	Solid	3050B	
620-22611-8	DU-G1-A	Total/NA	Solid	3050B	
620-22611-9	DU-G1-B	Total/NA	Solid	3050B	
620-22611-10	DU-G1-C	Total/NA	Solid	3050B	
620-22611-11	SD-1	Total/NA	Solid	3050B	
620-22611-12	SD-2	Total/NA	Solid	3050B	
620-22611-13	DU-F1-A	Total/NA	Solid	3050B	
620-22611-14	DU-F1-B	Total/NA	Solid	3050B	
620-22611-15	DU-F1-C	Total/NA	Solid	3050B	
620-22611-16	DU-T2-A	Total/NA	Solid	3050B	
620-22611-17	DU-T2-B	Total/NA	Solid	3050B	
MB 620-41997/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 620-41997/2-A ^4	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 42027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22611-1	SD-4	Total/NA	Solid	7471B	41974
620-22611-2	DU-T1-A	Total/NA	Solid	7471B	41974
620-22611-3	DU-T1-B	Total/NA	Solid	7471B	41974
620-22611-4	DU-T1-C	Total/NA	Solid	7471B	41974
620-22611-6	SD-5-FD	Total/NA	Solid	7471B	41974
620-22611-7	SD-3	Total/NA	Solid	7471B	41974
620-22611-8	DU-G1-A	Total/NA	Solid	7471B	41974
620-22611-9	DU-G1-B	Total/NA	Solid	7471B	41974
620-22611-10	DU-G1-C	Total/NA	Solid	7471B	41974
620-22611-11	SD-1	Total/NA	Solid	7471B	41974
620-22611-12	SD-2	Total/NA	Solid	7471B	41975
620-22611-13	DU-F1-A	Total/NA	Solid	7471B	41975
620-22611-14	DU-F1-B	Total/NA	Solid	7471B	41975
620-22611-15	DU-F1-C	Total/NA	Solid	7471B	41975
620-22611-16	DU-T2-A	Total/NA	Solid	7471B	41975
620-22611-17	DU-T2-B	Total/NA	Solid	7471B	41975
620-22611-18	DU-T2-C	Total/NA	Solid	7471B	41975
620-22611-19	DU-G2-A	Total/NA	Solid	7471B	41975
620-22611-20	DU-G2-B	Total/NA	Solid	7471B	41975
620-22611-21	DU-G2-C	Total/NA	Solid	7471B	41975
620-22611-22	DU-F2-A	Total/NA	Solid	7471B	41975
620-22611-23	DU-F2-B	Total/NA	Solid	7471B	41975
620-22611-24	DU-F2-C	Total/NA	Solid	7471B	41975
620-22611-25	DU-T3-A	Total/NA	Solid	7471B	41975
620-22611-26	DU-T3-B	Total/NA	Solid	7471B	41975
620-22611-27	DU-T3-C	Total/NA	Solid	7471B	41975
620-22611-28	DU-G3-A	Total/NA	Solid	7471B	41975
620-22611-29	DU-G3-B	Total/NA	Solid	7471B	41975
620-22611-30	DU-G3-C	Total/NA	Solid	7471B	41975
620-22611-31	DU-F3-A	Total/NA	Solid	7471B	41975

Metals (Continued)

Analysis Batch: 42027 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 620-41974/1-A	Method Blank	Total/NA	Solid	7471B	41974
MB 620-41975/1-A	Method Blank	Total/NA	Solid	7471B	41975
LCSSRM 620-41974/2-A ^50	Lab Control Sample	Total/NA	Solid	7471B	41974
LCSSRM 620-41975/2-A ^50	Lab Control Sample	Total/NA	Solid	7471B	41975
620-22611-12 MS	SD-2	Total/NA	Solid	7471B	41975
620-22611-12 MSD	SD-2	Total/NA	Solid	7471B	41975
620-22611-12 DU	SD-2	Total/NA	Solid	7471B	41975

Prep Batch: 42042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22611-18	DU-T2-C	Total/NA	Solid	3050B	
620-22611-19	DU-G2-A	Total/NA	Solid	3050B	
620-22611-20	DU-G2-B	Total/NA	Solid	3050B	
620-22611-21	DU-G2-C	Total/NA	Solid	3050B	
620-22611-22	DU-F2-A	Total/NA	Solid	3050B	
620-22611-23	DU-F2-B	Total/NA	Solid	3050B	
620-22611-24	DU-F2-C	Total/NA	Solid	3050B	
620-22611-25	DU-T3-A	Total/NA	Solid	3050B	
620-22611-26	DU-T3-B	Total/NA	Solid	3050B	
620-22611-27	DU-T3-C	Total/NA	Solid	3050B	
620-22611-28	DU-G3-A	Total/NA	Solid	3050B	
620-22611-29	DU-G3-B	Total/NA	Solid	3050B	
620-22611-30	DU-G3-C	Total/NA	Solid	3050B	
620-22611-31	DU-F3-A	Total/NA	Solid	3050B	
620-22611-32	DU-F3-B	Total/NA	Solid	3050B	
620-22611-33	DU-F3-C	Total/NA	Solid	3050B	
MB 620-42042/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 620-42042/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 42063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22611-1	SD-4	Total/NA	Solid	6010D	41997
620-22611-2	DU-T1-A	Total/NA	Solid	6010D	41997
620-22611-3	DU-T1-B	Total/NA	Solid	6010D	41997
MB 620-41997/1-A	Method Blank	Total/NA	Solid	6010D	41997
LCSSRM 620-41997/2-A ^4	Lab Control Sample	Total/NA	Solid	6010D	41997

Analysis Batch: 42100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22611-4	DU-T1-C	Total/NA	Solid	6010D	41997
620-22611-6	SD-5-FD	Total/NA	Solid	6010D	41997
620-22611-7	SD-3	Total/NA	Solid	6010D	41997
620-22611-8	DU-G1-A	Total/NA	Solid	6010D	41997
620-22611-9	DU-G1-B	Total/NA	Solid	6010D	41997
620-22611-10	DU-G1-C	Total/NA	Solid	6010D	41997
620-22611-11	SD-1	Total/NA	Solid	6010D	41997
620-22611-12	SD-2	Total/NA	Solid	6010D	41997
620-22611-13	DU-F1-A	Total/NA	Solid	6010D	41997
620-22611-14	DU-F1-B	Total/NA	Solid	6010D	41997
620-22611-15	DU-F1-C	Total/NA	Solid	6010D	41997
620-22611-16	DU-T2-A	Total/NA	Solid	6010D	41997

Metals (Continued)

Analysis Batch: 42100 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22611-17	DU-T2-B	Total/NA	Solid	6010D	41997

Analysis Batch: 42164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22611-18	DU-T2-C	Total/NA	Solid	6010D	42042
620-22611-19	DU-G2-A	Total/NA	Solid	6010D	42042
620-22611-20	DU-G2-B	Total/NA	Solid	6010D	42042
620-22611-21	DU-G2-C	Total/NA	Solid	6010D	42042
620-22611-22	DU-F2-A	Total/NA	Solid	6010D	42042
620-22611-23	DU-F2-B	Total/NA	Solid	6010D	42042
620-22611-24	DU-F2-C	Total/NA	Solid	6010D	42042
620-22611-25	DU-T3-A	Total/NA	Solid	6010D	42042
620-22611-26	DU-T3-B	Total/NA	Solid	6010D	42042
620-22611-27	DU-T3-C	Total/NA	Solid	6010D	42042
620-22611-28	DU-G3-A	Total/NA	Solid	6010D	42042
620-22611-29	DU-G3-B	Total/NA	Solid	6010D	42042
620-22611-30	DU-G3-C	Total/NA	Solid	6010D	42042
620-22611-31	DU-F3-A	Total/NA	Solid	6010D	42042
620-22611-32	DU-F3-B	Total/NA	Solid	6010D	42042
620-22611-33	DU-F3-C	Total/NA	Solid	6010D	42042
MB 620-42042/1-A	Method Blank	Total/NA	Solid	6010D	42042
LCSSRM 620-42042/2-A ^5	Lab Control Sample	Total/NA	Solid	6010D	42042

Prep Batch: 42198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22611-32	DU-F3-B	Total/NA	Solid	7471B	
620-22611-33	DU-F3-C	Total/NA	Solid	7471B	
MB 620-42198/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 620-42198/2-A ^50	Lab Control Sample	Total/NA	Solid	7471B	
620-22611-32 MS	DU-F3-B	Total/NA	Solid	7471B	
620-22611-32 MSD	DU-F3-B	Total/NA	Solid	7471B	
620-22611-32 DU	DU-F3-B	Total/NA	Solid	7471B	

Analysis Batch: 42272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22611-32	DU-F3-B	Total/NA	Solid	7471B	42198
620-22611-33	DU-F3-C	Total/NA	Solid	7471B	42198
MB 620-42198/1-A	Method Blank	Total/NA	Solid	7471B	42198
LCSSRM 620-42198/2-A ^50	Lab Control Sample	Total/NA	Solid	7471B	42198
620-22611-32 MS	DU-F3-B	Total/NA	Solid	7471B	42198
620-22611-32 MSD	DU-F3-B	Total/NA	Solid	7471B	42198
620-22611-32 DU	DU-F3-B	Total/NA	Solid	7471B	42198

General Chemistry

Analysis Batch: 41967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22611-1	SD-4	Total/NA	Solid	Moisture	
620-22611-2	DU-T1-A	Total/NA	Solid	Moisture	
620-22611-3	DU-T1-B	Total/NA	Solid	Moisture	
620-22611-4	DU-T1-C	Total/NA	Solid	Moisture	

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

General Chemistry (Continued)

Analysis Batch: 41967 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22611-6	SD-5-FD	Total/NA	Solid	Moisture	
620-22611-7	SD-3	Total/NA	Solid	Moisture	
620-22611-8	DU-G1-A	Total/NA	Solid	Moisture	
620-22611-9	DU-G1-B	Total/NA	Solid	Moisture	
620-22611-10	DU-G1-C	Total/NA	Solid	Moisture	
620-22611-11	SD-1	Total/NA	Solid	Moisture	
620-22611-12	SD-2	Total/NA	Solid	Moisture	
620-22611-13	DU-F1-A	Total/NA	Solid	Moisture	
620-22611-14	DU-F1-B	Total/NA	Solid	Moisture	
620-22611-15	DU-F1-C	Total/NA	Solid	Moisture	
620-22611-16	DU-T2-A	Total/NA	Solid	Moisture	
620-22611-17	DU-T2-B	Total/NA	Solid	Moisture	
620-22611-18	DU-T2-C	Total/NA	Solid	Moisture	
620-22611-19	DU-G2-A	Total/NA	Solid	Moisture	
620-22611-20	DU-G2-B	Total/NA	Solid	Moisture	
620-22611-21	DU-G2-C	Total/NA	Solid	Moisture	
620-22611-22	DU-F2-A	Total/NA	Solid	Moisture	
620-22611-23	DU-F2-B	Total/NA	Solid	Moisture	
620-22611-24	DU-F2-C	Total/NA	Solid	Moisture	
620-22611-25	DU-T3-A	Total/NA	Solid	Moisture	
620-22611-26	DU-T3-B	Total/NA	Solid	Moisture	
620-22611-27	DU-T3-C	Total/NA	Solid	Moisture	
620-22611-28	DU-G3-A	Total/NA	Solid	Moisture	
620-22611-29	DU-G3-B	Total/NA	Solid	Moisture	
620-22611-30	DU-G3-C	Total/NA	Solid	Moisture	
620-22611-31	DU-F3-A	Total/NA	Solid	Moisture	
620-22611-32	DU-F3-B	Total/NA	Solid	Moisture	
620-22611-33	DU-F3-C	Total/NA	Solid	Moisture	
620-22611-1 DU	SD-4	Total/NA	Solid	Moisture	

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: SD-4
Date Collected: 11/19/24 09:44
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: SD-4
Date Collected: 11/19/24 09:44
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-1
Matrix: Solid
Percent Solids: 79.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42004	RWS	EET RI	12/02/24 16:37
Total/NA	Analysis	8081B		1	42084	BJJ	EET RI	12/04/24 15:50
Total/NA	Prep	3050B			41997	JPC	EET RI	12/02/24 12:02
Total/NA	Analysis	6010D		2	42063	JPC	EET RI	12/03/24 16:05
Total/NA	Prep	7471B			41974	PRB	EET RI	12/02/24 08:49
Total/NA	Analysis	7471B		1	42027	PRB	EET RI	12/02/24 13:55

Client Sample ID: DU-T1-A
Date Collected: 11/19/24 10:39
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: DU-T1-A
Date Collected: 11/19/24 10:39
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-2
Matrix: Solid
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42004	RWS	EET RI	12/02/24 16:37
Total/NA	Analysis	8081B		1	42084	BJJ	EET RI	12/04/24 16:11
Total/NA	Prep	3050B			41997	JPC	EET RI	12/02/24 12:02
Total/NA	Analysis	6010D		2	42063	JPC	EET RI	12/03/24 16:11
Total/NA	Prep	7471B			41974	PRB	EET RI	12/02/24 08:49
Total/NA	Analysis	7471B		1	42027	PRB	EET RI	12/02/24 13:58

Client Sample ID: DU-T1-B
Date Collected: 11/19/24 10:40
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-T1-B
Lab Sample ID: 620-22611-3
Date Collected: 11/19/24 10:40
Matrix: Solid
Date Received: 11/27/24 10:37
Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42004	RWS	EET RI	12/02/24 16:37
Total/NA	Analysis	8081B		1	42084	BJJ	EET RI	12/04/24 16:27
Total/NA	Prep	3050B			41997	JPC	EET RI	12/02/24 12:02
Total/NA	Analysis	6010D		2	42063	JPC	EET RI	12/03/24 16:17
Total/NA	Prep	7471B			41974	PRB	EET RI	12/02/24 08:49
Total/NA	Analysis	7471B		1	42027	PRB	EET RI	12/02/24 14:00

Client Sample ID: DU-T1-C
Lab Sample ID: 620-22611-4
Date Collected: 11/19/24 10:38
Matrix: Solid
Date Received: 11/27/24 10:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: DU-T1-C
Lab Sample ID: 620-22611-4
Date Collected: 11/19/24 10:38
Matrix: Solid
Date Received: 11/27/24 10:37
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42004	RWS	EET RI	12/02/24 16:37
Total/NA	Analysis	8081B		1	42084	BJJ	EET RI	12/04/24 16:48
Total/NA	Prep	3050B			41997	JPC	EET RI	12/02/24 12:02
Total/NA	Analysis	6010D		1	42100	JPC	EET RI	12/03/24 16:38
Total/NA	Prep	7471B			41974	PRB	EET RI	12/02/24 08:49
Total/NA	Analysis	7471B		1	42027	PRB	EET RI	12/02/24 14:02

Client Sample ID: SD-5-FD
Lab Sample ID: 620-22611-6
Date Collected: 11/19/24 10:52
Matrix: Solid
Date Received: 11/27/24 10:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: SD-5-FD
Lab Sample ID: 620-22611-6
Date Collected: 11/19/24 10:52
Matrix: Solid
Date Received: 11/27/24 10:37
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42004	RWS	EET RI	12/02/24 16:37
Total/NA	Analysis	8081B		1	42084	BJJ	EET RI	12/04/24 17:09
Total/NA	Prep	3050B			41997	JPC	EET RI	12/02/24 12:02
Total/NA	Analysis	6010D		1	42100	JPC	EET RI	12/03/24 16:50
Total/NA	Prep	7471B			41974	PRB	EET RI	12/02/24 08:49
Total/NA	Analysis	7471B		1	42027	PRB	EET RI	12/02/24 14:06

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: SD-3
Date Collected: 11/19/24 13:50
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: SD-3
Date Collected: 11/19/24 13:50
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-7
Matrix: Solid
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42004	RWS	EET RI	12/02/24 16:37
Total/NA	Analysis	8081B		1	42084	BJJ	EET RI	12/04/24 17:25
Total/NA	Prep	3050B			41997	JPC	EET RI	12/02/24 12:02
Total/NA	Analysis	6010D		1	42100	JPC	EET RI	12/03/24 16:56
Total/NA	Prep	7471B			41974	PRB	EET RI	12/02/24 08:49
Total/NA	Analysis	7471B		1	42027	PRB	EET RI	12/02/24 14:08

Client Sample ID: DU-G1-A
Date Collected: 11/19/24 14:07
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: DU-G1-A
Date Collected: 11/19/24 14:07
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-8
Matrix: Solid
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42004	RWS	EET RI	12/02/24 16:37
Total/NA	Analysis	8081B		1	42084	BJJ	EET RI	12/04/24 17:41
Total/NA	Prep	3546			42004	RWS	EET RI	12/02/24 16:37
Total/NA	Analysis	8081B		25	42156	BJJ	EET RI	12/05/24 13:53
Total/NA	Prep	3050B			41997	JPC	EET RI	12/02/24 12:02
Total/NA	Analysis	6010D		1	42100	JPC	EET RI	12/03/24 17:02
Total/NA	Prep	7471B			41974	PRB	EET RI	12/02/24 08:49
Total/NA	Analysis	7471B		10	42027	PRB	EET RI	12/02/24 15:48

Client Sample ID: DU-G1-B
Date Collected: 11/19/24 14:08
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-G1-B
Date Collected: 11/19/24 14:08
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-9
Matrix: Solid
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42004	RWS	EET RI	12/02/24 16:37
Total/NA	Analysis	8081B		1	42084	BJJ	EET RI	12/04/24 17:57
Total/NA	Prep	3546			42004	RWS	EET RI	12/02/24 16:37
Total/NA	Analysis	8081B		25	42156	BJJ	EET RI	12/05/24 14:09
Total/NA	Prep	3050B			41997	JPC	EET RI	12/02/24 12:02
Total/NA	Analysis	6010D		1	42100	JPC	EET RI	12/03/24 17:08
Total/NA	Prep	7471B			41974	PRB	EET RI	12/02/24 08:49
Total/NA	Analysis	7471B		10	42027	PRB	EET RI	12/02/24 15:50

Client Sample ID: DU-G1-C
Date Collected: 11/19/24 14:09
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: DU-G1-C
Date Collected: 11/19/24 14:09
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-10
Matrix: Solid
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42004	RWS	EET RI	12/02/24 16:37
Total/NA	Analysis	8081B		25	42156	BJJ	EET RI	12/05/24 14:25
Total/NA	Prep	3546			42004	RWS	EET RI	12/02/24 16:37
Total/NA	Analysis	8081B		1	42156	BJJ	EET RI	12/05/24 14:41
Total/NA	Prep	3050B			41997	JPC	EET RI	12/02/24 12:02
Total/NA	Analysis	6010D		1	42100	JPC	EET RI	12/03/24 17:14
Total/NA	Prep	7471B			41974	PRB	EET RI	12/02/24 08:49
Total/NA	Analysis	7471B		10	42027	PRB	EET RI	12/02/24 15:52

Client Sample ID: SD-1
Date Collected: 11/20/24 08:45
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: SD-1
Date Collected: 11/20/24 08:45
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-11
Matrix: Solid
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42103	JAC	EET RI	12/04/24 11:32
Total/NA	Analysis	8081B		1	42247	BJJ	EET RI	12/09/24 11:22
Total/NA	Prep	3050B			41997	JPC	EET RI	12/02/24 12:02
Total/NA	Analysis	6010D		1	42100	JPC	EET RI	12/03/24 17:20

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: SD-1
Date Collected: 11/20/24 08:45
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-11
Matrix: Solid
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			41974	PRB	EET RI	12/02/24 08:49
Total/NA	Analysis	7471B		1	42027	PRB	EET RI	12/02/24 14:20

Client Sample ID: SD-2
Date Collected: 11/20/24 08:53
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: SD-2
Date Collected: 11/20/24 08:53
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-12
Matrix: Solid
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42103	JAC	EET RI	12/04/24 11:32
Total/NA	Analysis	8081B		1	42247	BJJ	EET RI	12/09/24 11:38
Total/NA	Prep	3050B			41997	JPC	EET RI	12/02/24 12:02
Total/NA	Analysis	6010D		1	42100	JPC	EET RI	12/03/24 17:26
Total/NA	Prep	7471B			41975	PRB	EET RI	12/02/24 08:51
Total/NA	Analysis	7471B		1	42027	PRB	EET RI	12/02/24 14:27

Client Sample ID: DU-F1-A
Date Collected: 11/20/24 10:18
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: DU-F1-A
Date Collected: 11/20/24 10:18
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-13
Matrix: Solid
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42103	JAC	EET RI	12/04/24 11:32
Total/NA	Analysis	8081B		1	42247	BJJ	EET RI	12/09/24 11:54
Total/NA	Prep	3050B			41997	JPC	EET RI	12/02/24 12:02
Total/NA	Analysis	6010D		1	42100	JPC	EET RI	12/03/24 17:32
Total/NA	Prep	7471B			41975	PRB	EET RI	12/02/24 08:51
Total/NA	Analysis	7471B		1	42027	PRB	EET RI	12/02/24 14:35

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-F1-B
Date Collected: 11/20/24 10:35
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: DU-F1-B
Date Collected: 11/20/24 10:35
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-14
Matrix: Solid
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42103	JAC	EET RI	12/04/24 11:32
Total/NA	Analysis	8081B		1	42247	BJJ	EET RI	12/09/24 12:15
Total/NA	Prep	3050B			41997	JPC	EET RI	12/02/24 12:02
Total/NA	Analysis	6010D		1	42100	JPC	EET RI	12/03/24 17:50
Total/NA	Prep	7471B			41975	PRB	EET RI	12/02/24 08:51
Total/NA	Analysis	7471B		1	42027	PRB	EET RI	12/02/24 14:38

Client Sample ID: DU-F1-C
Date Collected: 11/20/24 10:40
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: DU-F1-C
Date Collected: 11/20/24 10:40
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-15
Matrix: Solid
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42103	JAC	EET RI	12/04/24 11:32
Total/NA	Analysis	8081B		1	42247	BJJ	EET RI	12/09/24 12:31
Total/NA	Prep	3050B			41997	JPC	EET RI	12/02/24 12:02
Total/NA	Analysis	6010D		1	42100	JPC	EET RI	12/03/24 17:56
Total/NA	Prep	7471B			41975	PRB	EET RI	12/02/24 08:51
Total/NA	Analysis	7471B		1	42027	PRB	EET RI	12/02/24 14:44

Client Sample ID: DU-T2-A
Date Collected: 11/20/24 14:22
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-T2-A
Date Collected: 11/20/24 14:22
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-16
Matrix: Solid
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42103	JAC	EET RI	12/04/24 11:32
Total/NA	Analysis	8081B		1	42247	BJJ	EET RI	12/09/24 12:47
Total/NA	Prep	3050B			41997	JPC	EET RI	12/02/24 12:02
Total/NA	Analysis	6010D		1	42100	JPC	EET RI	12/03/24 18:02
Total/NA	Prep	7471B			41975	PRB	EET RI	12/02/24 08:51
Total/NA	Analysis	7471B		1	42027	PRB	EET RI	12/02/24 14:46

Client Sample ID: DU-T2-B
Date Collected: 11/20/24 14:18
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: DU-T2-B
Date Collected: 11/20/24 14:18
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-17
Matrix: Solid
Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42103	JAC	EET RI	12/04/24 11:32
Total/NA	Analysis	8081B		1	42247	BJJ	EET RI	12/09/24 13:03
Total/NA	Prep	3050B			41997	JPC	EET RI	12/02/24 12:02
Total/NA	Analysis	6010D		1	42100	JPC	EET RI	12/03/24 16:44
Total/NA	Prep	7471B			41975	PRB	EET RI	12/02/24 08:51
Total/NA	Analysis	7471B		1	42027	PRB	EET RI	12/02/24 14:48

Client Sample ID: DU-T2-C
Date Collected: 11/20/24 14:26
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: DU-T2-C
Date Collected: 11/20/24 14:26
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-18
Matrix: Solid
Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42103	JAC	EET RI	12/04/24 11:32
Total/NA	Analysis	8081B		1	42247	BJJ	EET RI	12/09/24 13:19
Total/NA	Prep	3050B			42042	PRB	EET RI	12/03/24 12:46
Total/NA	Analysis	6010D		2	42164	JPC	EET RI	12/04/24 17:56
Total/NA	Prep	7471B			41975	PRB	EET RI	12/02/24 08:51
Total/NA	Analysis	7471B		1	42027	PRB	EET RI	12/02/24 14:51

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-G2-A
Date Collected: 11/21/24 09:06
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: DU-G2-A
Date Collected: 11/21/24 09:06
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-19
Matrix: Solid
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42103	JAC	EET RI	12/04/24 11:32
Total/NA	Analysis	8081B		1	42247	BJJ	EET RI	12/09/24 13:35
Total/NA	Prep	3546			42103	JAC	EET RI	12/04/24 11:32
Total/NA	Analysis	8081B		5	42349	BJJ	EET RI	12/11/24 12:56
Total/NA	Prep	3050B			42042	PRB	EET RI	12/03/24 12:46
Total/NA	Analysis	6010D		2	42164	JPC	EET RI	12/04/24 18:02
Total/NA	Prep	7471B			41975	PRB	EET RI	12/02/24 08:51
Total/NA	Analysis	7471B		10	42027	PRB	EET RI	12/02/24 16:01

Client Sample ID: DU-G2-B
Date Collected: 11/21/24 09:05
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: DU-G2-B
Date Collected: 11/21/24 09:05
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-20
Matrix: Solid
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42103	JAC	EET RI	12/04/24 11:32
Total/NA	Analysis	8081B		1	42247	BJJ	EET RI	12/09/24 13:51
Total/NA	Prep	3546			42103	JAC	EET RI	12/04/24 11:32
Total/NA	Analysis	8081B		5	42349	BJJ	EET RI	12/11/24 13:12
Total/NA	Prep	3050B			42042	PRB	EET RI	12/03/24 12:46
Total/NA	Analysis	6010D		2	42164	JPC	EET RI	12/04/24 18:08
Total/NA	Prep	7471B			41975	PRB	EET RI	12/02/24 08:51
Total/NA	Analysis	7471B		10	42027	PRB	EET RI	12/02/24 16:03

Client Sample ID: DU-G2-C
Date Collected: 11/21/24 09:04
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-G2-C
Date Collected: 11/21/24 09:04
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-21
Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42103	JAC	EET RI	12/04/24 11:32
Total/NA	Analysis	8081B		1	42247	BJJ	EET RI	12/09/24 14:07
Total/NA	Prep	3546			42103	JAC	EET RI	12/04/24 11:32
Total/NA	Analysis	8081B		5	42349	BJJ	EET RI	12/11/24 13:28
Total/NA	Prep	3050B			42042	PRB	EET RI	12/03/24 12:46
Total/NA	Analysis	6010D		2	42164	JPC	EET RI	12/04/24 18:26
Total/NA	Prep	7471B			41975	PRB	EET RI	12/02/24 08:51
Total/NA	Analysis	7471B		10	42027	PRB	EET RI	12/02/24 16:05

Client Sample ID: DU-F2-A
Date Collected: 11/21/24 14:50
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: DU-F2-A
Date Collected: 11/21/24 14:50
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-22
Matrix: Solid
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42103	JAC	EET RI	12/04/24 11:32
Total/NA	Analysis	8081B		1	42247	BJJ	EET RI	12/09/24 14:23
Total/NA	Prep	3050B			42042	PRB	EET RI	12/03/24 12:46
Total/NA	Analysis	6010D		4	42164	JPC	EET RI	12/04/24 18:32
Total/NA	Prep	7471B			41975	PRB	EET RI	12/02/24 08:51
Total/NA	Analysis	7471B		1	42027	PRB	EET RI	12/02/24 14:58

Client Sample ID: DU-F2-B
Date Collected: 11/22/24 14:51
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: DU-F2-B
Date Collected: 11/22/24 14:51
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-23
Matrix: Solid
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42224	JAC	EET RI	12/06/24 15:52
Total/NA	Analysis	8081B		1	42322	BJJ	EET RI	12/10/24 13:17
Total/NA	Prep	3050B			42042	PRB	EET RI	12/03/24 12:46
Total/NA	Analysis	6010D		4	42164	JPC	EET RI	12/04/24 18:38
Total/NA	Prep	7471B			41975	PRB	EET RI	12/02/24 08:51
Total/NA	Analysis	7471B		1	42027	PRB	EET RI	12/02/24 15:00

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-F2-C
Date Collected: 11/22/24 14:52
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: DU-F2-C
Date Collected: 11/22/24 14:52
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-24
Matrix: Solid
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42224	JAC	EET RI	12/06/24 15:52
Total/NA	Analysis	8081B		1	42322	BJJ	EET RI	12/10/24 13:33
Total/NA	Prep	3050B			42042	PRB	EET RI	12/03/24 12:46
Total/NA	Analysis	6010D		4	42164	JPC	EET RI	12/04/24 18:44
Total/NA	Prep	7471B			41975	PRB	EET RI	12/02/24 08:51
Total/NA	Analysis	7471B		1	42027	PRB	EET RI	12/02/24 15:02

Client Sample ID: DU-T3-A
Date Collected: 11/22/24 10:20
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: DU-T3-A
Date Collected: 11/22/24 10:20
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-25
Matrix: Solid
Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42224	JAC	EET RI	12/06/24 15:52
Total/NA	Analysis	8081B		1	42322	BJJ	EET RI	12/10/24 13:49
Total/NA	Prep	3050B			42042	PRB	EET RI	12/03/24 12:46
Total/NA	Analysis	6010D		4	42164	JPC	EET RI	12/04/24 18:50
Total/NA	Prep	7471B			41975	PRB	EET RI	12/02/24 08:51
Total/NA	Analysis	7471B		1	42027	PRB	EET RI	12/02/24 15:34

Client Sample ID: DU-T3-B
Date Collected: 11/22/24 10:21
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-T3-B
Lab Sample ID: 620-22611-26
Date Collected: 11/22/24 10:21
Matrix: Solid
Date Received: 11/27/24 10:37
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42224	JAC	EET RI	12/06/24 15:52
Total/NA	Analysis	8081B		1	42322	BJJ	EET RI	12/10/24 14:05
Total/NA	Prep	3050B			42042	PRB	EET RI	12/03/24 12:46
Total/NA	Analysis	6010D		4	42164	JPC	EET RI	12/04/24 18:56
Total/NA	Prep	7471B			41975	PRB	EET RI	12/02/24 08:51
Total/NA	Analysis	7471B		1	42027	PRB	EET RI	12/02/24 15:36

Client Sample ID: DU-T3-C
Lab Sample ID: 620-22611-27
Date Collected: 11/22/24 10:22
Matrix: Solid
Date Received: 11/27/24 10:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: DU-T3-C
Lab Sample ID: 620-22611-27
Date Collected: 11/22/24 10:22
Matrix: Solid
Date Received: 11/27/24 10:37
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42224	JAC	EET RI	12/06/24 15:52
Total/NA	Analysis	8081B		1	42322	BJJ	EET RI	12/10/24 14:21
Total/NA	Prep	3050B			42042	PRB	EET RI	12/03/24 12:46
Total/NA	Analysis	6010D		2	42164	JPC	EET RI	12/04/24 19:03
Total/NA	Prep	7471B			41975	PRB	EET RI	12/02/24 08:51
Total/NA	Analysis	7471B		1	42027	PRB	EET RI	12/02/24 15:38

Client Sample ID: DU-G3-A
Lab Sample ID: 620-22611-28
Date Collected: 11/22/24 14:10
Matrix: Solid
Date Received: 11/27/24 10:37

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: DU-G3-A
Lab Sample ID: 620-22611-28
Date Collected: 11/22/24 14:10
Matrix: Solid
Date Received: 11/27/24 10:37
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42224	JAC	EET RI	12/06/24 15:52
Total/NA	Analysis	8081B		1	42322	BJJ	EET RI	12/10/24 14:37
Total/NA	Prep	3546			42224	JAC	EET RI	12/06/24 15:52
Total/NA	Analysis	8081B		10	42349	BJJ	EET RI	12/11/24 12:07
Total/NA	Prep	3050B			42042	PRB	EET RI	12/03/24 12:46
Total/NA	Analysis	6010D		2	42164	JPC	EET RI	12/04/24 19:09
Total/NA	Prep	7471B			41975	PRB	EET RI	12/02/24 08:51
Total/NA	Analysis	7471B		10	42027	PRB	EET RI	12/03/24 09:43

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-G3-B
Date Collected: 11/22/24 14:11
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: DU-G3-B
Date Collected: 11/22/24 14:11
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-29
Matrix: Solid
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42224	JAC	EET RI	12/06/24 15:52
Total/NA	Analysis	8081B		1	42322	BJJ	EET RI	12/10/24 14:57
Total/NA	Prep	3546			42224	JAC	EET RI	12/06/24 15:52
Total/NA	Analysis	8081B		10	42349	BJJ	EET RI	12/11/24 12:23
Total/NA	Prep	3050B			42042	PRB	EET RI	12/03/24 12:46
Total/NA	Analysis	6010D		2	42164	JPC	EET RI	12/04/24 19:15
Total/NA	Prep	7471B			41975	PRB	EET RI	12/02/24 08:51
Total/NA	Analysis	7471B		10	42027	PRB	EET RI	12/03/24 09:45

Client Sample ID: DU-G3-C
Date Collected: 11/22/24 14:12
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: DU-G3-C
Date Collected: 11/22/24 14:12
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-30
Matrix: Solid
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42224	JAC	EET RI	12/06/24 15:52
Total/NA	Analysis	8081B		1	42322	BJJ	EET RI	12/10/24 15:13
Total/NA	Prep	3546			42224	JAC	EET RI	12/06/24 15:52
Total/NA	Analysis	8081B		20	42349	BJJ	EET RI	12/11/24 12:40
Total/NA	Prep	3050B			42042	PRB	EET RI	12/03/24 12:46
Total/NA	Analysis	6010D		2	42164	JPC	EET RI	12/04/24 19:21
Total/NA	Prep	7471B			41975	PRB	EET RI	12/02/24 08:51
Total/NA	Analysis	7471B		10	42027	PRB	EET RI	12/03/24 09:48

Client Sample ID: DU-F3-A
Date Collected: 11/25/24 09:45
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Client Sample ID: DU-F3-A
Date Collected: 11/25/24 09:45
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-31
Matrix: Solid
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42224	JAC	EET RI	12/06/24 15:52
Total/NA	Analysis	8081B		1	42322	BJJ	EET RI	12/10/24 15:29
Total/NA	Prep	3050B			42042	PRB	EET RI	12/03/24 12:46
Total/NA	Analysis	6010D		4	42164	JPC	EET RI	12/04/24 19:39
Total/NA	Prep	7471B			41975	PRB	EET RI	12/02/24 08:51
Total/NA	Analysis	7471B		1	42027	PRB	EET RI	12/02/24 15:46

Client Sample ID: DU-F3-B
Date Collected: 11/25/24 09:46
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: DU-F3-B
Date Collected: 11/25/24 09:46
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-32
Matrix: Solid
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42224	JAC	EET RI	12/06/24 15:52
Total/NA	Analysis	8081B		1	42322	BJJ	EET RI	12/10/24 15:45
Total/NA	Prep	3050B			42042	PRB	EET RI	12/03/24 12:46
Total/NA	Analysis	6010D		4	42164	JPC	EET RI	12/04/24 19:45
Total/NA	Prep	7471B			42198	DJW	EET RI	12/06/24 09:09
Total/NA	Analysis	7471B		1	42272	PRB	EET RI	12/06/24 16:50

Client Sample ID: DU-F3-C
Date Collected: 11/25/24 09:47
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	41967	JPC	EET RI	12/01/24 11:33

Client Sample ID: DU-F3-C
Date Collected: 11/25/24 09:47
Date Received: 11/27/24 10:37

Lab Sample ID: 620-22611-33
Matrix: Solid
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42224	JAC	EET RI	12/06/24 15:52
Total/NA	Analysis	8081B		1	42322	BJJ	EET RI	12/10/24 16:06
Total/NA	Prep	3050B			42042	PRB	EET RI	12/03/24 12:46
Total/NA	Analysis	6010D		5	42164	JPC	EET RI	12/04/24 19:51
Total/NA	Prep	7471B			42198	DJW	EET RI	12/06/24 09:09
Total/NA	Analysis	7471B		1	42272	PRB	EET RI	12/06/24 17:03

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Laboratory References:

EET RI = Eurofins Rhode Island, 646 Camp Ave, North Kingstown, RI 02852, TEL (413)789-9018

Accreditation/Certification Summary

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Laboratory: Eurofins Rhode Island

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7165.01	01-31-26
Connecticut	State	PH-0722	06-30-26
Maine	State	RI00100	05-09-25
Massachusetts	State	M-RI907	06-30-25
New Hampshire	NELAP	2245	09-17-25
New Jersey	NELAP	RI008	06-30-25
New York	NELAP	11393	04-01-25
Rhode Island	State	LAI00368	12-31-25

Method Summary

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Method	Method Description	Protocol	Laboratory
8081B	Organochlorine Pesticides (GC)	SW846	EET RI
6010D	Metals (ICP)	SW846	EET RI
7471B	Mercury (CVAA)	SW846	EET RI
Moisture	Percent Moisture	EPA	EET RI
3050B	Preparation, Metals	SW846	EET RI
3546	Microwave Extraction	SW846	EET RI
7471B	Preparation, Mercury	SW846	EET RI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET RI = Eurofins Rhode Island, 646 Camp Ave, North Kingstown, RI 02852, TEL (413)789-9018

Sample Summary

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22611-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
620-22611-1	SD-4	Solid	11/19/24 09:44	11/27/24 10:37
620-22611-2	DU-T1-A	Solid	11/19/24 10:39	11/27/24 10:37
620-22611-3	DU-T1-B	Solid	11/19/24 10:40	11/27/24 10:37
620-22611-4	DU-T1-C	Solid	11/19/24 10:38	11/27/24 10:37
620-22611-6	SD-5-FD	Solid	11/19/24 10:52	11/27/24 10:37
620-22611-7	SD-3	Solid	11/19/24 13:50	11/27/24 10:37
620-22611-8	DU-G1-A	Solid	11/19/24 14:07	11/27/24 10:37
620-22611-9	DU-G1-B	Solid	11/19/24 14:08	11/27/24 10:37
620-22611-10	DU-G1-C	Solid	11/19/24 14:09	11/27/24 10:37
620-22611-11	SD-1	Solid	11/20/24 08:45	11/27/24 10:37
620-22611-12	SD-2	Solid	11/20/24 08:53	11/27/24 10:37
620-22611-13	DU-F1-A	Solid	11/20/24 10:18	11/27/24 10:37
620-22611-14	DU-F1-B	Solid	11/20/24 10:35	11/27/24 10:37
620-22611-15	DU-F1-C	Solid	11/20/24 10:40	11/27/24 10:37
620-22611-16	DU-T2-A	Solid	11/20/24 14:22	11/27/24 10:37
620-22611-17	DU-T2-B	Solid	11/20/24 14:18	11/27/24 10:37
620-22611-18	DU-T2-C	Solid	11/20/24 14:26	11/27/24 10:37
620-22611-19	DU-G2-A	Solid	11/21/24 09:06	11/27/24 10:37
620-22611-20	DU-G2-B	Solid	11/21/24 09:05	11/27/24 10:37
620-22611-21	DU-G2-C	Solid	11/21/24 09:04	11/27/24 10:37
620-22611-22	DU-F2-A	Solid	11/21/24 14:50	11/27/24 10:37
620-22611-23	DU-F2-B	Solid	11/22/24 14:51	11/27/24 10:37
620-22611-24	DU-F2-C	Solid	11/22/24 14:52	11/27/24 10:37
620-22611-25	DU-T3-A	Solid	11/22/24 10:20	11/27/24 10:37
620-22611-26	DU-T3-B	Solid	11/22/24 10:21	11/27/24 10:37
620-22611-27	DU-T3-C	Solid	11/22/24 10:22	11/27/24 10:37
620-22611-28	DU-G3-A	Solid	11/22/24 14:10	11/27/24 10:37
620-22611-29	DU-G3-B	Solid	11/22/24 14:11	11/27/24 10:37
620-22611-30	DU-G3-C	Solid	11/22/24 14:12	11/27/24 10:37
620-22611-31	DU-F3-A	Solid	11/25/24 09:45	11/27/24 10:37
620-22611-32	DU-F3-B	Solid	11/25/24 09:46	11/27/24 10:37
620-22611-33	DU-F3-C	Solid	11/25/24 09:47	11/27/24 10:37

22611

Eurofins Rhode Island
646 Camp Ave
North Kingstown, RI 02852
Phone: 413-789-9018 Fax: 413-506-3830

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: JGW, LBR	Lab PM	Carrier Tracking No(s)	COC No: 620-20396-3017 1
Client Contact: Laura Rajnak	Phone: 2287311000	E-Mail: Lrajnak@stone-env.com	State of Origin: VT	Page: Page 1 of 1~~0~~ 3
Company: Stone Environmental	PWSID:	Analysis Requested		Job #:
Address: 535 Stone Cutters Way	Due Date Requested:			Preservation Codes: N - None; J - DI Water; F - MeOH
City: Montpelier	TAT Requested (days): Standard			
State, Zip: VT, 05602	Compliance Project: Δ Yes Δ No			
Phone: 228-731-1000	PO #: 20221113			Other:
Email: lrajnak@stone-env com	WO #:			
Project Name: 203 Country Club Rd	Project #: 20221113			
Site: Montpelier, VT	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D, 7471B, 8081B	8270D_LL_PAH - LL PAH	8260C -	8260C - 8260	D_2974, D2937, D854	8260C -	8260D -	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	J	F		
-1 SD-4	11/19/24	09:44	G	Solid	N	N	X							1	
-2 DU-TI-A		1039	C	Solid			X								
-3 DU-TI-B		1040	C	Solid			X								
-4 DU-TI-C		1038	C	Solid			X								
-5 SD-5		1052	G	Solid			X								
-6 SD-5-FD		1052	G	Solid			X								
-7 SD-3		1350	G	Solid			X								
-8 DU-GI-A		1407	C	Solid			X								
-9 DU-GI-B		1408	C	Solid			X								
-10 DU-GI-C	↓	1409	C	Solid			X								
-11 SD-1	11/20/24	845	G	Solid	✓	✓	X							1	

620-22611 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify): EQuIS EZ

Special Instructions/QC Requirements: Vermont Soil Standards

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by:	11/25/24 1400	Stone	Received by: FedEx	11/25/24	
Relinquished by: FedEx	11/26/24 10:37		Received by:	11/26/24 10:37	EKT
Relinquished by:	Date/Time.	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No :	Cooler Temperature(s) °C and Other Remarks: 2.4 +0.2 2.6 #6

Ver: 10/10/2024

22617

Chain of Custody Record

eurofins | Environment Testing

Eurofins Rhode Island
646 Camp Ave
North Kingstown, RI 02852
Phone 413-789-9018 Fax: 413-506-3830

Client Information	Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact: Laura Rajnak	JGW, CME, LBR	E-Mail: lrajnak@stone-env.com	State of Origin: VT	620-20396-3017 2
Company: Stone Environmental	Phone	PWSID		Page: Page 2 of 10?
Address: 535 Stone Cutters Way	Due Date Requested: Standard			Job #
City: Montpelier	TAT Requested (days):			
State, Zip: VT, 05602	Compliance Project: Δ Yes Δ No			
Phone: 228-731-1000	PO #: 20221113			
Email: lrajnak@stone-env com	WO #:			
Project Name: 203 Country Club Rd	Project #: 20221113			
Site: Montpelier VT	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
J - DI Water
F - MeOH
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D, 7471B, 8081B	8270D_LL_PAH - LL PAH	8260C -	8260C - 8260	D_2974, D2937, D854	8260C -	8260D -	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	J	F		
12 SD-2	11/20/24	853	G	Solid	N	N	X								
13 DU-F1-A		1018	C	Solid			X								
14 DU-F1-B		1035	C	Solid			X								
15 DU-F1-C		1040	C	Solid			X								
16 DU-T2-A		1422		Solid			X								
17 DU-T2-B		1418		Solid			X								
18 DU-T2-C	↓	1426		Solid			X								
19 DU-G2-A	11/21/24	0906		Solid			X								
20 DU-G2-B		0905		Solid			X								
21 DU-G2-C		0904		Solid			X								
22 DU-F2-A	↓	1450	↓	Solid	↓	↓	X								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested. I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: Vermont Soil Standards

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
J Rajnak	11/25/24	Stone	FedEx	11/25/24	
Relinquished by: FedEx	11/27/24 10:37		Received by:	11/27/24 10:37	GRC
Relinquished by:	Date/Time	Company	Received by:	Date/Time.	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks	Ver: 10/10/2024
		2.4 +0.1 2.6 #C	

04/17/25 Brownfields Committee 305

Page 92 of 95

12/11/2024

2261

Chain of Custody Record

Eurofins Rhode Island
646 Camp Ave
North Kingstown, RI 02852
Phone 413-789-9018 Fax: 413-506-3830

eurofins | Environment Testing

Client Information	Sampler: JGW, CME	Lab PM	Carrier Tracking No(s)	COC No: 620-20396-3017 3
Client Contact: Laura Rajnak	Phone	E-Mail: lrajnak@stone env.com	State of Origin: VT	Page: Page 3 of 10 3
Company: Stone Environmental	PWSID			Job #:
Address: 535 Stone Cutters Way	Due Date Requested:			
City: Montpelier	TAT Requested (days): Standard			
State, Zip: VT, 05602	Compliance Project: Δ Yes Δ No			
Phone: 228-731-1000	PO #: 20221113			
Email: lrajnak@stone-env com	WO #:			
Project Name: 203 Country Club Rd	Project #: 20221113			
Site: Montpelier, VT	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
J - DI Water
F - MeOH
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D, 7471B, 8081B	8270D_LL_PAH - LL PAH	8260C -	8260C - 8260	D_2974, D2937, D854	8260C -	8260D -	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	J	F		
23 DU-F2-B	11/21/24	1451	C	Solid	N	N	X								
24 DU-F2-C	11/21/24	1452		Solid			X								
25 DU-T3-A	11/22/24	10:20		Solid			X								
26 DU-T3-B		1021		Solid			X								
27 DU-T3-C		1022		Solid			X								
28 DU-G3-A		1410		Solid			X								
29 DU-G3-B		1411		Solid			X								
30 DU-G3-C		1412		Solid			X								
31 DU-F3-A	11/25/24	0945		Solid			X								
32 DU-F3-B		0946		Solid			X								
33 DU-F3-C		0947		Solid			X								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested I, II, III, IV, Other (specify): EQUIS EZ

Special Instructions/QC Requirements: Vermont Soil Standards

Empty Kit Relinquished by	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Rajnak	11/25/24 1400	Stone	FedEx	11/25/24	
2	FedEx	11/27/24 10:37			11/27/24 10:37	ENV
3						

Custody Seals Intact. Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.4 +0.2 2.6 #6

Ver: 10/10/2024

04/17/25

Brownfields Committee

306

Page 93 of 95

12/11/2024

ORIGIN ID:MVLA (802) 229-2196
LAURA RAJNAK
STONE ENVIRONMENTAL, INC
535 STONE CUTTERS WAY
STE 201
MONTPELIER, VT 05602
UNITED STATES US

SHIP DATE: 25NOV24
ACTWGT: 30.00 LB
CAD: 3095923/INET4535
DIMS: 30x24x24 IN
BILL SENDER

TO **SAMPLE RECEIVING**
EUROFINS ENVIRONMENTAL TESTING
646 CAMP AVENUE
NORTH KINGSTOWN RI 02852
(401) 352-6950
INV:
PO:
REF: 20221113/3.3
DEPT:

58CJ8/39D3/C6C4

FedEx Express

J244024091001uv

TUE - 26 NOV 5:00P
STANDARD OVERNIGHT

TRK# 7702 1692 5579
0201

XP NCOA

02852
RI-US PVD

After printing this label:
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1 Fold the printed page along the horizontal line
2 Place label in shipping pouch and affix it to your shipment

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-22611-1

Login Number: 22611
List Number: 1
Creator: Makhoul, Elie

List Source: Eurofins Rhode Island

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Laura Rajnak
Stone Environmental
535 Stone Cutters Way
Montpelier, Vermont 05602

Generated 12/11/2024 5:35:46 PM

JOB DESCRIPTION

203 Country Club Road

JOB NUMBER

620-22641-1

Eurofins Rhode Island
646 Camp Ave
North Kingstown RI 02852

See page two for job notes and contact information.

myEOL

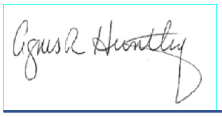
Eurofins Rhode Island

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
12/11/2024 5:35:46 PM

Authorized for release by
Agnes Huntley, Project Manager
Agnes.Huntley@et.eurofinsus.com
(401)267-4374

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 6
Client Sample Results 9
Surrogate Summary 21
QC Sample Results 22
QC Association Summary 28
Lab Chronicle 31
Certification Summary 34
Method Summary 35
Sample Summary 36
Chain of Custody 37
Receipt Checklists 39

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 620-22641-1 **Eurofins Rhode Island**

Job Narrative
620-22641-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 12/2/2024 11:07 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C.

GC/MS Semi VOA
Method 8270D_LL_PAH: The method blank for preparation batch 620-42019 and analytical batch 620-42093 contained Benzo[a]pyrene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides
Method 8081B: The continuing calibration verification (CCV) associated with batch 620-42322 recovered above the upper control limit for Endrin. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8081B: The continuing calibration verification (CCV) associated with batch 620-42322 recovered below the lower control limit for Endrin aldehyde on the primary column. The analyte was within control limits on the confirmation column. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8081B: The continuing calibration verification (CCV) associated with batch 620-42349 recovered above the upper control limit for Endrin. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8081B: The continuing calibration verification (CCV) associated with batch 620-42349 recovered below the lower control limit for Methoxychlor and Endrin aldehyde, on the primary column. the analytes were within control limits on the confirmation column. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Client Sample ID: DU-M1-A — Lab Sample ID: 620-22641-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	11	J	18	7.5	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Anthracene	8.0	J	18	7.5	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[a]anthracene	38		18	7.5	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[a]pyrene	49	B	18	7.5	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[b]fluoranthene	59		18	7.5	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[g,h,i]perylene	37		18	7.5	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[k]fluoranthene	37		18	7.5	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Chrysene	42		18	7.5	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Dibenz(a,h)anthracene	14	J	18	7.5	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Fluoranthene	61		18	7.5	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Indeno[1,2,3-cd]pyrene	33		18	7.5	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Phenanthrene	17	J	18	7.5	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Pyrene	66		18	7.5	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Heptachlor epoxide	1.9	J	5.4	0.56	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	2.7	J	8.6	1.4	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	22	p	5.4	0.52	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	20	p	5.4	0.77	ug/Kg	1	☼	8081B	Total/NA
Antimony	1.5	J	11	0.80	mg/Kg	2	☼	6010D	Total/NA
Arsenic	7.1		3.2	0.40	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.17	J	1.1	0.053	mg/Kg	2	☼	6010D	Total/NA
Barium	12		2.1	0.25	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.33	J	1.1	0.055	mg/Kg	2	☼	6010D	Total/NA
Chromium	27		2.1	0.28	mg/Kg	2	☼	6010D	Total/NA
Copper	7.5		2.1	0.51	mg/Kg	2	☼	6010D	Total/NA
Lead	40		3.2	0.45	mg/Kg	2	☼	6010D	Total/NA
Nickel	26		2.1	0.25	mg/Kg	2	☼	6010D	Total/NA
Zinc	37		6.4	1.6	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.12		0.048	0.0079	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DU-M1-B — Lab Sample ID: 620-22641-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	17	J	21	8.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Anthracene	14	J	21	8.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[a]anthracene	44		21	8.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[a]pyrene	60	B	21	8.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[b]fluoranthene	65		21	8.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[g,h,i]perylene	51		21	8.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[k]fluoranthene	57		21	8.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Chrysene	54		21	8.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Dibenz(a,h)anthracene	19	J	21	8.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Fluoranthene	79		21	8.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Indeno[1,2,3-cd]pyrene	46		21	8.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Phenanthrene	29		21	8.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Pyrene	81		21	8.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Heptachlor epoxide	19		6.0	0.63	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	4.1	J	9.6	1.6	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	89	p	30	2.9	ug/Kg	5	☼	8081B	Total/NA
trans-Chlordane	89		30	4.3	ug/Kg	5	☼	8081B	Total/NA
Antimony	1.4	J	15	1.1	mg/Kg	2	☼	6010D	Total/NA
Arsenic	6.9		4.5	0.57	mg/Kg	2	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Client Sample ID: DU-M1-B (Continued) — Lab Sample ID: 620-22641-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.15	J	1.5	0.075	mg/Kg	2	☼	6010D	Total/NA
Barium	7.9		3.0	0.35	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.37	J	1.5	0.077	mg/Kg	2	☼	6010D	Total/NA
Chromium	19		3.0	0.40	mg/Kg	2	☼	6010D	Total/NA
Copper	6.4		3.0	0.72	mg/Kg	2	☼	6010D	Total/NA
Lead	28		4.5	0.63	mg/Kg	2	☼	6010D	Total/NA
Nickel	26		3.0	0.34	mg/Kg	2	☼	6010D	Total/NA
Zinc	44		8.9	2.3	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.16		0.047	0.0078	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DU-M1-C — Lab Sample ID: 620-22641-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	13	J	18	7.3	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Anthracene	13	J	18	7.3	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[a]anthracene	45		18	7.3	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[a]pyrene	53	B	18	7.3	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[b]fluoranthene	66		18	7.3	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[g,h,i]perylene	42		18	7.3	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[k]fluoranthene	46		18	7.3	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Chrysene	56		18	7.3	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Dibenz(a,h)anthracene	15	J	18	7.3	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Fluoranthene	79		18	7.3	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Indeno[1,2,3-cd]pyrene	36		18	7.3	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Phenanthrene	29		18	7.3	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Pyrene	77		18	7.3	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Heptachlor epoxide	1.7	J	5.3	0.56	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	14		8.6	1.4	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	11	p	5.3	0.52	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	7.2	p	5.3	0.77	ug/Kg	1	☼	8081B	Total/NA
Toxaphene	220		110	75	ug/Kg	1	☼	8081B	Total/NA
Antimony	1.2	J	12	0.88	mg/Kg	2	☼	6010D	Total/NA
Arsenic	7.3		3.5	0.45	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.16	J	1.2	0.059	mg/Kg	2	☼	6010D	Total/NA
Barium	13		2.3	0.28	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.39	J	1.2	0.061	mg/Kg	2	☼	6010D	Total/NA
Chromium	19		2.3	0.31	mg/Kg	2	☼	6010D	Total/NA
Copper	8.2		2.3	0.56	mg/Kg	2	☼	6010D	Total/NA
Lead	36		3.5	0.50	mg/Kg	2	☼	6010D	Total/NA
Nickel	22		2.3	0.27	mg/Kg	2	☼	6010D	Total/NA
Zinc	50		7.0	1.8	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.14		0.050	0.0083	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: R1-1 — Lab Sample ID: 620-22641-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	11	J B	18	7.5	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[b]fluoranthene	15	J	18	7.5	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[g,h,i]perylene	9.5	J	18	7.5	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Chrysene	14	J	18	7.5	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Fluoranthene	18		18	7.5	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Indeno[1,2,3-cd]pyrene	10	J	18	7.5	ug/Kg	1	☼	8270D_LL_PAH	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Client Sample ID: R1-1 (Continued) — Lab Sample ID: 620-22641-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	12	J	18	7.5	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Pyrene	16	J	18	7.5	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Antimony	1.4	J	12	0.92	mg/Kg	2	☼	6010D	Total/NA
Arsenic	4.8		3.7	0.47	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.13	J	1.2	0.062	mg/Kg	2	☼	6010D	Total/NA
Barium	26		2.5	0.29	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.32	J	1.2	0.064	mg/Kg	2	☼	6010D	Total/NA
Chromium	18		2.5	0.33	mg/Kg	2	☼	6010D	Total/NA
Copper	3.2		2.5	0.59	mg/Kg	2	☼	6010D	Total/NA
Lead	8.6		3.7	0.52	mg/Kg	2	☼	6010D	Total/NA
Nickel	16		2.5	0.28	mg/Kg	2	☼	6010D	Total/NA
Zinc	39		7.4	1.9	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.034	J	0.049	0.0082	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: R1-2 — Lab Sample ID: 620-22641-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	8.7	J	19	8.0	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[a]pyrene	11	J B	19	8.0	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[b]fluoranthene	14	J	19	8.0	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[g,h,i]perylene	9.0	J	19	8.0	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Chrysene	15	J	19	8.0	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Fluoranthene	21		19	8.0	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Indeno[1,2,3-cd]pyrene	8.8	J	19	8.0	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Phenanthrene	16	J	19	8.0	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Pyrene	17	J	19	8.0	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Antimony	1.4	J	13	0.97	mg/Kg	2	☼	6010D	Total/NA
Arsenic	5.7		3.9	0.49	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.18	J	1.3	0.064	mg/Kg	2	☼	6010D	Total/NA
Barium	40		2.6	0.30	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.44	J	1.3	0.067	mg/Kg	2	☼	6010D	Total/NA
Chromium	22		2.6	0.34	mg/Kg	2	☼	6010D	Total/NA
Copper	11		2.6	0.62	mg/Kg	2	☼	6010D	Total/NA
Lead	12		3.9	0.54	mg/Kg	2	☼	6010D	Total/NA
Nickel	24		2.6	0.30	mg/Kg	2	☼	6010D	Total/NA
Zinc	44		7.7	2.0	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.026	J	0.054	0.0091	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: R1-3 — Lab Sample ID: 620-22641-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1.4	J	11	0.82	mg/Kg	2	☼	6010D	Total/NA
Arsenic	6.4		3.3	0.42	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.14	J	1.1	0.055	mg/Kg	2	☼	6010D	Total/NA
Barium	25		2.2	0.26	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.38	J	1.1	0.057	mg/Kg	2	☼	6010D	Total/NA
Chromium	21		2.2	0.29	mg/Kg	2	☼	6010D	Total/NA
Copper	19		2.2	0.53	mg/Kg	2	☼	6010D	Total/NA
Lead	7.4		3.3	0.46	mg/Kg	2	☼	6010D	Total/NA
Nickel	25		2.2	0.25	mg/Kg	2	☼	6010D	Total/NA
Zinc	56		6.6	1.7	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.013	J	0.049	0.0081	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Client Sample ID: DU-M1-A

Date Collected: 11/25/24 16:35
Date Received: 12/02/24 11:07

Lab Sample ID: 620-22641-1

Matrix: Solid
Percent Solids: 86.6

Method: SW846 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 17:53	1
Acenaphthylene	**11**	**J**	18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 17:53	1
1-Methylnaphthalene	ND		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 17:53	1
Anthracene	**8.0**	**J**	18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 17:53	1
Benzo[a]anthracene	**38**		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 17:53	1
Benzo[a]pyrene	**49**	**B**	18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 17:53	1
Benzo[b]fluoranthene	**59**		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 17:53	1
Benzo[g,h,i]perylene	**37**		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 17:53	1
Benzo[k]fluoranthene	**37**		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 17:53	1
Chrysene	**42**		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 17:53	1
Dibenz(a,h)anthracene	**14**	**J**	18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 17:53	1
Fluoranthene	**61**		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 17:53	1
Fluorene	ND		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 17:53	1
Indeno[1,2,3-cd]pyrene	**33**		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 17:53	1
2-Methylnaphthalene	ND		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 17:53	1
Naphthalene	ND		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 17:53	1
Phenanthrene	**17**	**J**	18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 17:53	1
Pyrene	**66**		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*83*		*30 - 130*	*12/03/24 09:15*	*12/05/24 17:53*	*1*
2-Fluorobiphenyl (Surr)	*74*		*30 - 130*	*12/03/24 09:15*	*12/05/24 17:53*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.4	0.51	ug/Kg	☼	12/06/24 15:52	12/11/24 13:44	1
beta-BHC	ND		5.4	0.70	ug/Kg	☼	12/06/24 15:52	12/11/24 13:44	1
delta-BHC	ND		5.4	0.89	ug/Kg	☼	12/06/24 15:52	12/11/24 13:44	1
gamma-BHC (Lindane)	ND		2.1	0.48	ug/Kg	☼	12/06/24 15:52	12/11/24 13:44	1
Heptachlor	ND		5.4	0.65	ug/Kg	☼	12/06/24 15:52	12/11/24 13:44	1
Aldrin	ND		5.4	0.50	ug/Kg	☼	12/06/24 15:52	12/11/24 13:44	1
Heptachlor epoxide	**1.9**	**J**	5.4	0.56	ug/Kg	☼	12/06/24 15:52	12/11/24 13:44	1
Endosulfan I	ND		5.4	0.56	ug/Kg	☼	12/06/24 15:52	12/11/24 13:44	1
Dieldrin	ND		5.4	0.59	ug/Kg	☼	12/06/24 15:52	12/11/24 13:44	1
4,4'-DDE	ND		8.6	0.71	ug/Kg	☼	12/06/24 15:52	12/11/24 13:44	1
Endrin	ND		8.6	0.76	ug/Kg	☼	12/06/24 15:52	12/11/24 13:44	1
Endosulfan II	ND		8.6	0.56	ug/Kg	☼	12/06/24 15:52	12/11/24 13:44	1
4,4'-DDD	ND		8.6	1.2	ug/Kg	☼	12/06/24 15:52	12/11/24 13:44	1
Endosulfan sulfate	ND		8.6	0.57	ug/Kg	☼	12/06/24 15:52	12/11/24 13:44	1
4,4'-DDT	**2.7**	**J**	8.6	1.4	ug/Kg	☼	12/06/24 15:52	12/11/24 13:44	1
Methoxychlor	ND		8.6	1.6	ug/Kg	☼	12/06/24 15:52	12/11/24 13:44	1
Endrin ketone	ND		8.6	0.60	ug/Kg	☼	12/06/24 15:52	12/11/24 13:44	1
Endrin aldehyde	ND		8.6	1.0	ug/Kg	☼	12/06/24 15:52	12/11/24 13:44	1
cis-Chlordane	**22**	**p**	5.4	0.52	ug/Kg	☼	12/06/24 15:52	12/11/24 13:44	1
trans-Chlordane	**20**	**p**	5.4	0.77	ug/Kg	☼	12/06/24 15:52	12/11/24 13:44	1
Toxaphene	ND		110	76	ug/Kg	☼	12/06/24 15:52	12/11/24 13:44	1
Alachlor	ND		5.4	1.5	ug/Kg	☼	12/06/24 15:52	12/11/24 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*69*		*30 - 150*	*12/06/24 15:52*	*12/11/24 13:44*	*1*

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Client Sample ID: DU-M1-A
Date Collected: 11/25/24 16:35
Date Received: 12/02/24 11:07

Lab Sample ID: 620-22641-1
Matrix: Solid
Percent Solids: 86.6

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*68*		*30 - 150*	*12/06/24 15:52*	*12/11/24 13:44*	*1*
DCB Decachlorobiphenyl (Surr)	*124*		*30 - 150*	*12/06/24 15:52*	*12/11/24 13:44*	*1*
DCB Decachlorobiphenyl (Surr)	*55*	*p*	*30 - 150*	*12/06/24 15:52*	*12/11/24 13:44*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.5**	**J**	11	0.80	mg/Kg	☼	12/05/24 14:45	12/06/24 15:29	2
Arsenic	**7.1**		3.2	0.40	mg/Kg	☼	12/05/24 14:45	12/06/24 15:29	2
Beryllium	**0.17**	**J**	1.1	0.053	mg/Kg	☼	12/05/24 14:45	12/06/24 15:29	2
Barium	**12**		2.1	0.25	mg/Kg	☼	12/05/24 14:45	12/06/24 15:29	2
Cadmium	**0.33**	**J**	1.1	0.055	mg/Kg	☼	12/05/24 14:45	12/06/24 15:29	2
Chromium	**27**		2.1	0.28	mg/Kg	☼	12/05/24 14:45	12/06/24 15:29	2
Copper	**7.5**		2.1	0.51	mg/Kg	☼	12/05/24 14:45	12/06/24 15:29	2
Lead	**40**		3.2	0.45	mg/Kg	☼	12/05/24 14:45	12/06/24 15:29	2
Nickel	**26**		2.1	0.25	mg/Kg	☼	12/05/24 14:45	12/06/24 15:29	2
Selenium	ND		3.2	0.61	mg/Kg	☼	12/05/24 14:45	12/06/24 15:29	2
Silver	ND		3.2	0.35	mg/Kg	☼	12/05/24 14:45	12/06/24 15:29	2
Thallium	ND		6.4	2.4	mg/Kg	☼	12/05/24 14:45	12/06/24 15:29	2
Zinc	**37**		6.4	1.6	mg/Kg	☼	12/05/24 14:45	12/06/24 15:29	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.12**		0.048	0.0079	mg/Kg	☼	12/06/24 09:09	12/06/24 17:09	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Client Sample ID: DU-M1-B

Date Collected: 11/25/24 16:36
Date Received: 12/02/24 11:07

Lab Sample ID: 620-22641-2

Matrix: Solid
Percent Solids: 72.7

Method: SW846 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		21	8.8	ug/Kg	☼	12/03/24 09:15	12/05/24 18:19	1
Acenaphthylene	**17**	**J**	21	8.8	ug/Kg	☼	12/03/24 09:15	12/05/24 18:19	1
1-Methylnaphthalene	ND		21	8.8	ug/Kg	☼	12/03/24 09:15	12/05/24 18:19	1
Anthracene	**14**	**J**	21	8.8	ug/Kg	☼	12/03/24 09:15	12/05/24 18:19	1
Benzo[a]anthracene	**44**		21	8.8	ug/Kg	☼	12/03/24 09:15	12/05/24 18:19	1
Benzo[a]pyrene	**60**	**B**	21	8.8	ug/Kg	☼	12/03/24 09:15	12/05/24 18:19	1
Benzo[b]fluoranthene	**65**		21	8.8	ug/Kg	☼	12/03/24 09:15	12/05/24 18:19	1
Benzo[g,h,i]perylene	**51**		21	8.8	ug/Kg	☼	12/03/24 09:15	12/05/24 18:19	1
Benzo[k]fluoranthene	**57**		21	8.8	ug/Kg	☼	12/03/24 09:15	12/05/24 18:19	1
Chrysene	**54**		21	8.8	ug/Kg	☼	12/03/24 09:15	12/05/24 18:19	1
Dibenz(a,h)anthracene	**19**	**J**	21	8.8	ug/Kg	☼	12/03/24 09:15	12/05/24 18:19	1
Fluoranthene	**79**		21	8.8	ug/Kg	☼	12/03/24 09:15	12/05/24 18:19	1
Fluorene	ND		21	8.8	ug/Kg	☼	12/03/24 09:15	12/05/24 18:19	1
Indeno[1,2,3-cd]pyrene	**46**		21	8.8	ug/Kg	☼	12/03/24 09:15	12/05/24 18:19	1
2-Methylnaphthalene	ND		21	8.8	ug/Kg	☼	12/03/24 09:15	12/05/24 18:19	1
Naphthalene	ND		21	8.8	ug/Kg	☼	12/03/24 09:15	12/05/24 18:19	1
Phenanthrene	**29**		21	8.8	ug/Kg	☼	12/03/24 09:15	12/05/24 18:19	1
Pyrene	**81**		21	8.8	ug/Kg	☼	12/03/24 09:15	12/05/24 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*89*		*30 - 130*	*12/03/24 09:15*	*12/05/24 18:19*	*1*
2-Fluorobiphenyl (Surr)	*81*		*30 - 130*	*12/03/24 09:15*	*12/05/24 18:19*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		6.0	0.58	ug/Kg	☼	12/06/24 15:52	12/11/24 14:00	1
beta-BHC	ND		6.0	0.78	ug/Kg	☼	12/06/24 15:52	12/11/24 14:00	1
delta-BHC	ND		6.0	1.0	ug/Kg	☼	12/06/24 15:52	12/11/24 14:00	1
gamma-BHC (Lindane)	ND		2.4	0.54	ug/Kg	☼	12/06/24 15:52	12/11/24 14:00	1
Heptachlor	ND		6.0	0.73	ug/Kg	☼	12/06/24 15:52	12/11/24 14:00	1
Aldrin	ND		6.0	0.57	ug/Kg	☼	12/06/24 15:52	12/11/24 14:00	1
Heptachlor epoxide	**19**		6.0	0.63	ug/Kg	☼	12/06/24 15:52	12/11/24 14:00	1
Endosulfan I	ND		6.0	0.63	ug/Kg	☼	12/06/24 15:52	12/11/24 14:00	1
Dieldrin	ND		6.0	0.66	ug/Kg	☼	12/06/24 15:52	12/11/24 14:00	1
4,4'-DDE	ND		9.6	0.79	ug/Kg	☼	12/06/24 15:52	12/11/24 14:00	1
Endrin	ND		9.6	0.85	ug/Kg	☼	12/06/24 15:52	12/11/24 14:00	1
Endosulfan II	ND		9.6	0.63	ug/Kg	☼	12/06/24 15:52	12/11/24 14:00	1
4,4'-DDD	ND		9.6	1.4	ug/Kg	☼	12/06/24 15:52	12/11/24 14:00	1
Endosulfan sulfate	ND		9.6	0.64	ug/Kg	☼	12/06/24 15:52	12/11/24 14:00	1
4,4'-DDT	**4.1**	**J**	9.6	1.6	ug/Kg	☼	12/06/24 15:52	12/11/24 14:00	1
Methoxychlor	ND		9.6	1.8	ug/Kg	☼	12/06/24 15:52	12/11/24 14:00	1
Endrin ketone	ND		9.6	0.67	ug/Kg	☼	12/06/24 15:52	12/11/24 14:00	1
Endrin aldehyde	ND		9.6	1.1	ug/Kg	☼	12/06/24 15:52	12/11/24 14:00	1
cis-Chlordane	**89**	**p**	30	2.9	ug/Kg	☼	12/06/24 15:52	12/11/24 15:24	5
trans-Chlordane	**89**		30	4.3	ug/Kg	☼	12/06/24 15:52	12/11/24 15:24	5
Toxaphene	ND		120	85	ug/Kg	☼	12/06/24 15:52	12/11/24 14:00	1
Alachlor	ND		6.0	1.7	ug/Kg	☼	12/06/24 15:52	12/11/24 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*95*		*30 - 150*	*12/06/24 15:52*	*12/11/24 14:00*	*1*

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Client Sample ID: DU-M1-B

Date Collected: 11/25/24 16:36
Date Received: 12/02/24 11:07

Lab Sample ID: 620-22641-2

Matrix: Solid
Percent Solids: 72.7

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*30 - 150*	*12/06/24 15:52*	*12/11/24 14:00*	*1*
DCB Decachlorobiphenyl (Surr)	*122*		*30 - 150*	*12/06/24 15:52*	*12/11/24 14:00*	*1*
DCB Decachlorobiphenyl (Surr)	*67*	*p*	*30 - 150*	*12/06/24 15:52*	*12/11/24 14:00*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.4**	**J**	15	1.1	mg/Kg	☼	12/05/24 14:45	12/06/24 15:35	2
Arsenic	**6.9**		4.5	0.57	mg/Kg	☼	12/05/24 14:45	12/06/24 15:35	2
Beryllium	**0.15**	**J**	1.5	0.075	mg/Kg	☼	12/05/24 14:45	12/06/24 15:35	2
Barium	**7.9**		3.0	0.35	mg/Kg	☼	12/05/24 14:45	12/06/24 15:35	2
Cadmium	**0.37**	**J**	1.5	0.077	mg/Kg	☼	12/05/24 14:45	12/06/24 15:35	2
Chromium	**19**		3.0	0.40	mg/Kg	☼	12/05/24 14:45	12/06/24 15:35	2
Copper	**6.4**		3.0	0.72	mg/Kg	☼	12/05/24 14:45	12/06/24 15:35	2
Lead	**28**		4.5	0.63	mg/Kg	☼	12/05/24 14:45	12/06/24 15:35	2
Nickel	**26**		3.0	0.34	mg/Kg	☼	12/05/24 14:45	12/06/24 15:35	2
Selenium	ND		4.5	0.85	mg/Kg	☼	12/05/24 14:45	12/06/24 15:35	2
Silver	ND		4.5	0.48	mg/Kg	☼	12/05/24 14:45	12/06/24 15:35	2
Thallium	ND		8.9	3.3	mg/Kg	☼	12/05/24 14:45	12/06/24 15:35	2
Zinc	**44**		8.9	2.3	mg/Kg	☼	12/05/24 14:45	12/06/24 15:35	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.16**		0.047	0.0078	mg/Kg	☼	12/06/24 09:09	12/06/24 17:11	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Client Sample ID: DU-M1-C
Date Collected: 11/25/24 16:37
Date Received: 12/02/24 11:07

Lab Sample ID: 620-22641-3
Matrix: Solid
Percent Solids: 90.2

Method: SW846 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		18	7.3	ug/Kg	☼	12/03/24 09:15	12/05/24 18:44	1
Acenaphthylene	**13**	**J**	18	7.3	ug/Kg	☼	12/03/24 09:15	12/05/24 18:44	1
1-Methylnaphthalene	ND		18	7.3	ug/Kg	☼	12/03/24 09:15	12/05/24 18:44	1
Anthracene	**13**	**J**	18	7.3	ug/Kg	☼	12/03/24 09:15	12/05/24 18:44	1
Benzo[a]anthracene	**45**		18	7.3	ug/Kg	☼	12/03/24 09:15	12/05/24 18:44	1
Benzo[a]pyrene	**53**	**B**	18	7.3	ug/Kg	☼	12/03/24 09:15	12/05/24 18:44	1
Benzo[b]fluoranthene	**66**		18	7.3	ug/Kg	☼	12/03/24 09:15	12/05/24 18:44	1
Benzo[g,h,i]perylene	**42**		18	7.3	ug/Kg	☼	12/03/24 09:15	12/05/24 18:44	1
Benzo[k]fluoranthene	**46**		18	7.3	ug/Kg	☼	12/03/24 09:15	12/05/24 18:44	1
Chrysene	**56**		18	7.3	ug/Kg	☼	12/03/24 09:15	12/05/24 18:44	1
Dibenz(a,h)anthracene	**15**	**J**	18	7.3	ug/Kg	☼	12/03/24 09:15	12/05/24 18:44	1
Fluoranthene	**79**		18	7.3	ug/Kg	☼	12/03/24 09:15	12/05/24 18:44	1
Fluorene	ND		18	7.3	ug/Kg	☼	12/03/24 09:15	12/05/24 18:44	1
Indeno[1,2,3-cd]pyrene	**36**		18	7.3	ug/Kg	☼	12/03/24 09:15	12/05/24 18:44	1
2-Methylnaphthalene	ND		18	7.3	ug/Kg	☼	12/03/24 09:15	12/05/24 18:44	1
Naphthalene	ND		18	7.3	ug/Kg	☼	12/03/24 09:15	12/05/24 18:44	1
Phenanthrene	**29**		18	7.3	ug/Kg	☼	12/03/24 09:15	12/05/24 18:44	1
Pyrene	**77**		18	7.3	ug/Kg	☼	12/03/24 09:15	12/05/24 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*85*		*30 - 130*	*12/03/24 09:15*	*12/05/24 18:44*	*1*
2-Fluorobiphenyl (Surr)	*80*		*30 - 130*	*12/03/24 09:15*	*12/05/24 18:44*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.3	0.51	ug/Kg	☼	12/06/24 15:52	12/11/24 14:16	1
beta-BHC	ND		5.3	0.69	ug/Kg	☼	12/06/24 15:52	12/11/24 14:16	1
delta-BHC	ND		5.3	0.89	ug/Kg	☼	12/06/24 15:52	12/11/24 14:16	1
gamma-BHC (Lindane)	ND		2.1	0.48	ug/Kg	☼	12/06/24 15:52	12/11/24 14:16	1
Heptachlor	ND		5.3	0.65	ug/Kg	☼	12/06/24 15:52	12/11/24 14:16	1
Aldrin	ND		5.3	0.50	ug/Kg	☼	12/06/24 15:52	12/11/24 14:16	1
Heptachlor epoxide	**1.7**	**J**	5.3	0.56	ug/Kg	☼	12/06/24 15:52	12/11/24 14:16	1
Endosulfan I	ND		5.3	0.56	ug/Kg	☼	12/06/24 15:52	12/11/24 14:16	1
Dieldrin	ND		5.3	0.59	ug/Kg	☼	12/06/24 15:52	12/11/24 14:16	1
4,4'-DDE	ND		8.6	0.71	ug/Kg	☼	12/06/24 15:52	12/11/24 14:16	1
Endrin	ND		8.6	0.76	ug/Kg	☼	12/06/24 15:52	12/11/24 14:16	1
Endosulfan II	ND		8.6	0.56	ug/Kg	☼	12/06/24 15:52	12/11/24 14:16	1
4,4'-DDD	ND		8.6	1.2	ug/Kg	☼	12/06/24 15:52	12/11/24 14:16	1
Endosulfan sulfate	ND		8.6	0.57	ug/Kg	☼	12/06/24 15:52	12/11/24 14:16	1
4,4'-DDT	**14**		8.6	1.4	ug/Kg	☼	12/06/24 15:52	12/11/24 14:16	1
Methoxychlor	ND		8.6	1.6	ug/Kg	☼	12/06/24 15:52	12/11/24 14:16	1
Endrin ketone	ND		8.6	0.60	ug/Kg	☼	12/06/24 15:52	12/11/24 14:16	1
Endrin aldehyde	ND		8.6	0.99	ug/Kg	☼	12/06/24 15:52	12/11/24 14:16	1
cis-Chlordane	**11**	**p**	5.3	0.52	ug/Kg	☼	12/06/24 15:52	12/11/24 14:16	1
trans-Chlordane	**7.2**	**p**	5.3	0.77	ug/Kg	☼	12/06/24 15:52	12/11/24 14:16	1
Toxaphene	**220**		110	75	ug/Kg	☼	12/06/24 15:52	12/11/24 14:16	1
Alachlor	ND		5.3	1.5	ug/Kg	☼	12/06/24 15:52	12/11/24 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*30 - 150*	*12/06/24 15:52*	*12/11/24 14:16*	*1*

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Client Sample ID: DU-M1-C
Date Collected: 11/25/24 16:37
Date Received: 12/02/24 11:07

Lab Sample ID: 620-22641-3
Matrix: Solid
Percent Solids: 90.2

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*30 - 150*	*12/06/24 15:52*	*12/11/24 14:16*	*1*
DCB Decachlorobiphenyl (Surr)	*99*		*30 - 150*	*12/06/24 15:52*	*12/11/24 14:16*	*1*
DCB Decachlorobiphenyl (Surr)	*66*		*30 - 150*	*12/06/24 15:52*	*12/11/24 14:16*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.2**	**J**	12	0.88	mg/Kg	☼	12/05/24 14:45	12/06/24 15:53	2
Arsenic	**7.3**		3.5	0.45	mg/Kg	☼	12/05/24 14:45	12/06/24 15:53	2
Beryllium	**0.16**	**J**	1.2	0.059	mg/Kg	☼	12/05/24 14:45	12/06/24 15:53	2
Barium	**13**		2.3	0.28	mg/Kg	☼	12/05/24 14:45	12/06/24 15:53	2
Cadmium	**0.39**	**J**	1.2	0.061	mg/Kg	☼	12/05/24 14:45	12/06/24 15:53	2
Chromium	**19**		2.3	0.31	mg/Kg	☼	12/05/24 14:45	12/06/24 15:53	2
Copper	**8.2**		2.3	0.56	mg/Kg	☼	12/05/24 14:45	12/06/24 15:53	2
Lead	**36**		3.5	0.50	mg/Kg	☼	12/05/24 14:45	12/06/24 15:53	2
Nickel	**22**		2.3	0.27	mg/Kg	☼	12/05/24 14:45	12/06/24 15:53	2
Selenium	ND		3.5	0.67	mg/Kg	☼	12/05/24 14:45	12/06/24 15:53	2
Silver	ND		3.5	0.38	mg/Kg	☼	12/05/24 14:45	12/06/24 15:53	2
Thallium	ND		7.0	2.6	mg/Kg	☼	12/05/24 14:45	12/06/24 15:53	2
Zinc	**50**		7.0	1.8	mg/Kg	☼	12/05/24 14:45	12/06/24 15:53	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.14**		0.050	0.0083	mg/Kg	☼	12/06/24 09:09	12/06/24 17:13	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Client Sample ID: R1-1
Date Collected: 11/26/24 08:30
Date Received: 12/02/24 11:07

Lab Sample ID: 620-22641-4
Matrix: Solid
Percent Solids: 85.2

Method: SW846 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 19:10	1
Acenaphthylene	ND		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 19:10	1
1-Methylnaphthalene	ND		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 19:10	1
Anthracene	ND		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 19:10	1
Benzo[a]anthracene	ND		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 19:10	1
Benzo[a]pyrene	**11**	**J B**	18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 19:10	1
Benzo[b]fluoranthene	**15**	**J**	18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 19:10	1
Benzo[g,h,i]perylene	**9.5**	**J**	18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 19:10	1
Benzo[k]fluoranthene	ND		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 19:10	1
Chrysene	**14**	**J**	18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 19:10	1
Dibenz(a,h)anthracene	ND		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 19:10	1
Fluoranthene	**18**		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 19:10	1
Fluorene	ND		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 19:10	1
Indeno[1,2,3-cd]pyrene	**10**	**J**	18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 19:10	1
2-Methylnaphthalene	ND		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 19:10	1
Naphthalene	ND		18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 19:10	1
Phenanthrene	**12**	**J**	18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 19:10	1
Pyrene	**16**	**J**	18	7.5	ug/Kg	☼	12/03/24 09:15	12/05/24 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*84*		*30 - 130*	*12/03/24 09:15*	*12/05/24 19:10*	*1*
2-Fluorobiphenyl (Surr)	*83*		*30 - 130*	*12/03/24 09:15*	*12/05/24 19:10*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.6	0.54	ug/Kg	☼	12/06/24 15:52	12/11/24 14:32	1
beta-BHC	ND		5.6	0.72	ug/Kg	☼	12/06/24 15:52	12/11/24 14:32	1
delta-BHC	ND		5.6	0.93	ug/Kg	☼	12/06/24 15:52	12/11/24 14:32	1
gamma-BHC (Lindane)	ND		2.2	0.50	ug/Kg	☼	12/06/24 15:52	12/11/24 14:32	1
Heptachlor	ND		5.6	0.68	ug/Kg	☼	12/06/24 15:52	12/11/24 14:32	1
Aldrin	ND		5.6	0.52	ug/Kg	☼	12/06/24 15:52	12/11/24 14:32	1
Heptachlor epoxide	ND		5.6	0.58	ug/Kg	☼	12/06/24 15:52	12/11/24 14:32	1
Endosulfan I	ND		5.6	0.58	ug/Kg	☼	12/06/24 15:52	12/11/24 14:32	1
Dieldrin	ND		5.6	0.61	ug/Kg	☼	12/06/24 15:52	12/11/24 14:32	1
4,4'-DDE	ND		8.9	0.74	ug/Kg	☼	12/06/24 15:52	12/11/24 14:32	1
Endrin	ND		8.9	0.79	ug/Kg	☼	12/06/24 15:52	12/11/24 14:32	1
Endosulfan II	ND		8.9	0.58	ug/Kg	☼	12/06/24 15:52	12/11/24 14:32	1
4,4'-DDD	ND		8.9	1.3	ug/Kg	☼	12/06/24 15:52	12/11/24 14:32	1
Endosulfan sulfate	ND		8.9	0.59	ug/Kg	☼	12/06/24 15:52	12/11/24 14:32	1
4,4'-DDT	ND		8.9	1.5	ug/Kg	☼	12/06/24 15:52	12/11/24 14:32	1
Methoxychlor	ND		8.9	1.7	ug/Kg	☼	12/06/24 15:52	12/11/24 14:32	1
Endrin ketone	ND		8.9	0.62	ug/Kg	☼	12/06/24 15:52	12/11/24 14:32	1
Endrin aldehyde	ND		8.9	1.0	ug/Kg	☼	12/06/24 15:52	12/11/24 14:32	1
cis-Chlordane	ND		5.6	0.55	ug/Kg	☼	12/06/24 15:52	12/11/24 14:32	1
trans-Chlordane	ND		5.6	0.80	ug/Kg	☼	12/06/24 15:52	12/11/24 14:32	1
Toxaphene	ND		110	79	ug/Kg	☼	12/06/24 15:52	12/11/24 14:32	1
Alachlor	ND		5.6	1.6	ug/Kg	☼	12/06/24 15:52	12/11/24 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*30 - 150*	*12/06/24 15:52*	*12/11/24 14:32*	*1*

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Client Sample ID: R1-1
Date Collected: 11/26/24 08:30
Date Received: 12/02/24 11:07

Lab Sample ID: 620-22641-4
Matrix: Solid
Percent Solids: 85.2

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*102*		*30 - 150*	*12/06/24 15:52*	*12/11/24 14:32*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*30 - 150*	*12/06/24 15:52*	*12/11/24 14:32*	*1*
DCB Decachlorobiphenyl (Surr)	*53*		*30 - 150*	*12/06/24 15:52*	*12/11/24 14:32*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.4**	**J**	12	0.92	mg/Kg	☼	12/05/24 14:45	12/06/24 15:59	2
Arsenic	**4.8**		3.7	0.47	mg/Kg	☼	12/05/24 14:45	12/06/24 15:59	2
Beryllium	**0.13**	**J**	1.2	0.062	mg/Kg	☼	12/05/24 14:45	12/06/24 15:59	2
Barium	**26**		2.5	0.29	mg/Kg	☼	12/05/24 14:45	12/06/24 15:59	2
Cadmium	**0.32**	**J**	1.2	0.064	mg/Kg	☼	12/05/24 14:45	12/06/24 15:59	2
Chromium	**18**		2.5	0.33	mg/Kg	☼	12/05/24 14:45	12/06/24 15:59	2
Copper	**3.2**		2.5	0.59	mg/Kg	☼	12/05/24 14:45	12/06/24 15:59	2
Lead	**8.6**		3.7	0.52	mg/Kg	☼	12/05/24 14:45	12/06/24 15:59	2
Nickel	**16**		2.5	0.28	mg/Kg	☼	12/05/24 14:45	12/06/24 15:59	2
Selenium	ND		3.7	0.70	mg/Kg	☼	12/05/24 14:45	12/06/24 15:59	2
Silver	ND		3.7	0.40	mg/Kg	☼	12/05/24 14:45	12/06/24 15:59	2
Thallium	ND		7.4	2.7	mg/Kg	☼	12/05/24 14:45	12/06/24 15:59	2
Zinc	**39**		7.4	1.9	mg/Kg	☼	12/05/24 14:45	12/06/24 15:59	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.034**	**J**	0.049	0.0082	mg/Kg	☼	12/06/24 09:09	12/06/24 17:16	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Client Sample ID: R1-2

Date Collected: 11/26/24 08:45
Date Received: 12/02/24 11:07

Lab Sample ID: 620-22641-5

Matrix: Solid
Percent Solids: 80.1

Method: SW846 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		19	8.0	ug/Kg	☼	12/03/24 09:15	12/05/24 19:35	1
Acenaphthylene	ND		19	8.0	ug/Kg	☼	12/03/24 09:15	12/05/24 19:35	1
1-Methylnaphthalene	ND		19	8.0	ug/Kg	☼	12/03/24 09:15	12/05/24 19:35	1
Anthracene	ND		19	8.0	ug/Kg	☼	12/03/24 09:15	12/05/24 19:35	1
Benzo[a]anthracene	**8.7**	**J**	19	8.0	ug/Kg	☼	12/03/24 09:15	12/05/24 19:35	1
Benzo[a]pyrene	**11**	**J B**	19	8.0	ug/Kg	☼	12/03/24 09:15	12/05/24 19:35	1
Benzo[b]fluoranthene	**14**	**J**	19	8.0	ug/Kg	☼	12/03/24 09:15	12/05/24 19:35	1
Benzo[g,h,i]perylene	**9.0**	**J**	19	8.0	ug/Kg	☼	12/03/24 09:15	12/05/24 19:35	1
Benzo[k]fluoranthene	ND		19	8.0	ug/Kg	☼	12/03/24 09:15	12/05/24 19:35	1
Chrysene	**15**	**J**	19	8.0	ug/Kg	☼	12/03/24 09:15	12/05/24 19:35	1
Dibenz(a,h)anthracene	ND		19	8.0	ug/Kg	☼	12/03/24 09:15	12/05/24 19:35	1
Fluoranthene	**21**		19	8.0	ug/Kg	☼	12/03/24 09:15	12/05/24 19:35	1
Fluorene	ND		19	8.0	ug/Kg	☼	12/03/24 09:15	12/05/24 19:35	1
Indeno[1,2,3-cd]pyrene	**8.8**	**J**	19	8.0	ug/Kg	☼	12/03/24 09:15	12/05/24 19:35	1
2-Methylnaphthalene	ND		19	8.0	ug/Kg	☼	12/03/24 09:15	12/05/24 19:35	1
Naphthalene	ND		19	8.0	ug/Kg	☼	12/03/24 09:15	12/05/24 19:35	1
Phenanthrene	**16**	**J**	19	8.0	ug/Kg	☼	12/03/24 09:15	12/05/24 19:35	1
Pyrene	**17**	**J**	19	8.0	ug/Kg	☼	12/03/24 09:15	12/05/24 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*77*		*30 - 130*	*12/03/24 09:15*	*12/05/24 19:35*	*1*
2-Fluorobiphenyl (Surr)	*82*		*30 - 130*	*12/03/24 09:15*	*12/05/24 19:35*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.7	0.55	ug/Kg	☼	12/06/24 15:52	12/11/24 14:48	1
beta-BHC	ND		5.7	0.74	ug/Kg	☼	12/06/24 15:52	12/11/24 14:48	1
delta-BHC	ND		5.7	0.95	ug/Kg	☼	12/06/24 15:52	12/11/24 14:48	1
gamma-BHC (Lindane)	ND		2.3	0.51	ug/Kg	☼	12/06/24 15:52	12/11/24 14:48	1
Heptachlor	ND		5.7	0.70	ug/Kg	☼	12/06/24 15:52	12/11/24 14:48	1
Aldrin	ND		5.7	0.54	ug/Kg	☼	12/06/24 15:52	12/11/24 14:48	1
Heptachlor epoxide	ND		5.7	0.59	ug/Kg	☼	12/06/24 15:52	12/11/24 14:48	1
Endosulfan I	ND		5.7	0.59	ug/Kg	☼	12/06/24 15:52	12/11/24 14:48	1
Dieldrin	ND		5.7	0.63	ug/Kg	☼	12/06/24 15:52	12/11/24 14:48	1
4,4'-DDE	ND		9.1	0.75	ug/Kg	☼	12/06/24 15:52	12/11/24 14:48	1
Endrin	ND		9.1	0.81	ug/Kg	☼	12/06/24 15:52	12/11/24 14:48	1
Endosulfan II	ND		9.1	0.59	ug/Kg	☼	12/06/24 15:52	12/11/24 14:48	1
4,4'-DDD	ND		9.1	1.3	ug/Kg	☼	12/06/24 15:52	12/11/24 14:48	1
Endosulfan sulfate	ND		9.1	0.61	ug/Kg	☼	12/06/24 15:52	12/11/24 14:48	1
4,4'-DDT	ND		9.1	1.5	ug/Kg	☼	12/06/24 15:52	12/11/24 14:48	1
Methoxychlor	ND		9.1	1.7	ug/Kg	☼	12/06/24 15:52	12/11/24 14:48	1
Endrin ketone	ND		9.1	0.64	ug/Kg	☼	12/06/24 15:52	12/11/24 14:48	1
Endrin aldehyde	ND		9.1	1.1	ug/Kg	☼	12/06/24 15:52	12/11/24 14:48	1
cis-Chlordane	ND		5.7	0.56	ug/Kg	☼	12/06/24 15:52	12/11/24 14:48	1
trans-Chlordane	ND		5.7	0.82	ug/Kg	☼	12/06/24 15:52	12/11/24 14:48	1
Toxaphene	ND		110	81	ug/Kg	☼	12/06/24 15:52	12/11/24 14:48	1
Alachlor	ND		5.7	1.6	ug/Kg	☼	12/06/24 15:52	12/11/24 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*101*		*30 - 150*	*12/06/24 15:52*	*12/11/24 14:48*	*1*

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Client Sample ID: R1-2
Date Collected: 11/26/24 08:45
Date Received: 12/02/24 11:07

Lab Sample ID: 620-22641-5
Matrix: Solid
Percent Solids: 80.1

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*30 - 150*	*12/06/24 15:52*	*12/11/24 14:48*	*1*
DCB Decachlorobiphenyl (Surr)	*67*		*30 - 150*	*12/06/24 15:52*	*12/11/24 14:48*	*1*
DCB Decachlorobiphenyl (Surr)	*53*		*30 - 150*	*12/06/24 15:52*	*12/11/24 14:48*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.4**	**J**	13	0.97	mg/Kg	☼	12/05/24 14:45	12/06/24 16:06	2
Arsenic	**5.7**		3.9	0.49	mg/Kg	☼	12/05/24 14:45	12/06/24 16:06	2
Beryllium	**0.18**	**J**	1.3	0.064	mg/Kg	☼	12/05/24 14:45	12/06/24 16:06	2
Barium	**40**		2.6	0.30	mg/Kg	☼	12/05/24 14:45	12/06/24 16:06	2
Cadmium	**0.44**	**J**	1.3	0.067	mg/Kg	☼	12/05/24 14:45	12/06/24 16:06	2
Chromium	**22**		2.6	0.34	mg/Kg	☼	12/05/24 14:45	12/06/24 16:06	2
Copper	**11**		2.6	0.62	mg/Kg	☼	12/05/24 14:45	12/06/24 16:06	2
Lead	**12**		3.9	0.54	mg/Kg	☼	12/05/24 14:45	12/06/24 16:06	2
Nickel	**24**		2.6	0.30	mg/Kg	☼	12/05/24 14:45	12/06/24 16:06	2
Selenium	ND		3.9	0.73	mg/Kg	☼	12/05/24 14:45	12/06/24 16:06	2
Silver	ND		3.9	0.42	mg/Kg	☼	12/05/24 14:45	12/06/24 16:06	2
Thallium	ND		7.7	2.8	mg/Kg	☼	12/05/24 14:45	12/06/24 16:06	2
Zinc	**44**		7.7	2.0	mg/Kg	☼	12/05/24 14:45	12/06/24 16:06	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.026**	**J**	0.054	0.0091	mg/Kg	☼	12/06/24 09:09	12/06/24 17:18	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Client Sample ID: R1-3
Date Collected: 11/26/24 09:00
Date Received: 12/02/24 11:07

Lab Sample ID: 620-22641-6
Matrix: Solid
Percent Solids: 84.8

Method: SW846 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		19	7.7	ug/Kg	☼	12/03/24 09:15	12/05/24 20:00	1
Acenaphthylene	ND		19	7.7	ug/Kg	☼	12/03/24 09:15	12/05/24 20:00	1
1-Methylnaphthalene	ND		19	7.7	ug/Kg	☼	12/03/24 09:15	12/05/24 20:00	1
Anthracene	ND		19	7.7	ug/Kg	☼	12/03/24 09:15	12/05/24 20:00	1
Benzo[a]anthracene	ND		19	7.7	ug/Kg	☼	12/03/24 09:15	12/05/24 20:00	1
Benzo[a]pyrene	ND		19	7.7	ug/Kg	☼	12/03/24 09:15	12/05/24 20:00	1
Benzo[b]fluoranthene	ND		19	7.7	ug/Kg	☼	12/03/24 09:15	12/05/24 20:00	1
Benzo[g,h,i]perylene	ND		19	7.7	ug/Kg	☼	12/03/24 09:15	12/05/24 20:00	1
Benzo[k]fluoranthene	ND		19	7.7	ug/Kg	☼	12/03/24 09:15	12/05/24 20:00	1
Chrysene	ND		19	7.7	ug/Kg	☼	12/03/24 09:15	12/05/24 20:00	1
Dibenz(a,h)anthracene	ND		19	7.7	ug/Kg	☼	12/03/24 09:15	12/05/24 20:00	1
Fluoranthene	ND		19	7.7	ug/Kg	☼	12/03/24 09:15	12/05/24 20:00	1
Fluorene	ND		19	7.7	ug/Kg	☼	12/03/24 09:15	12/05/24 20:00	1
Indeno[1,2,3-cd]pyrene	ND		19	7.7	ug/Kg	☼	12/03/24 09:15	12/05/24 20:00	1
2-Methylnaphthalene	ND		19	7.7	ug/Kg	☼	12/03/24 09:15	12/05/24 20:00	1
Naphthalene	ND		19	7.7	ug/Kg	☼	12/03/24 09:15	12/05/24 20:00	1
Phenanthrene	ND		19	7.7	ug/Kg	☼	12/03/24 09:15	12/05/24 20:00	1
Pyrene	ND		19	7.7	ug/Kg	☼	12/03/24 09:15	12/05/24 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*65*		*30 - 130*	*12/03/24 09:15*	*12/05/24 20:00*	*1*
2-Fluorobiphenyl (Surr)	*73*		*30 - 130*	*12/03/24 09:15*	*12/05/24 20:00*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		4.9	0.47	ug/Kg	☼	12/06/24 15:52	12/11/24 15:04	1
beta-BHC	ND		4.9	0.64	ug/Kg	☼	12/06/24 15:52	12/11/24 15:04	1
delta-BHC	ND		4.9	0.82	ug/Kg	☼	12/06/24 15:52	12/11/24 15:04	1
gamma-BHC (Lindane)	ND		2.0	0.44	ug/Kg	☼	12/06/24 15:52	12/11/24 15:04	1
Heptachlor	ND		4.9	0.60	ug/Kg	☼	12/06/24 15:52	12/11/24 15:04	1
Aldrin	ND		4.9	0.46	ug/Kg	☼	12/06/24 15:52	12/11/24 15:04	1
Heptachlor epoxide	ND		4.9	0.51	ug/Kg	☼	12/06/24 15:52	12/11/24 15:04	1
Endosulfan I	ND		4.9	0.51	ug/Kg	☼	12/06/24 15:52	12/11/24 15:04	1
Dieldrin	ND		4.9	0.54	ug/Kg	☼	12/06/24 15:52	12/11/24 15:04	1
4,4'-DDE	ND		7.9	0.65	ug/Kg	☼	12/06/24 15:52	12/11/24 15:04	1
Endrin	ND		7.9	0.70	ug/Kg	☼	12/06/24 15:52	12/11/24 15:04	1
Endosulfan II	ND		7.9	0.51	ug/Kg	☼	12/06/24 15:52	12/11/24 15:04	1
4,4'-DDD	ND		7.9	1.1	ug/Kg	☼	12/06/24 15:52	12/11/24 15:04	1
Endosulfan sulfate	ND		7.9	0.52	ug/Kg	☼	12/06/24 15:52	12/11/24 15:04	1
4,4'-DDT	ND		7.9	1.3	ug/Kg	☼	12/06/24 15:52	12/11/24 15:04	1
Methoxychlor	ND		7.9	1.5	ug/Kg	☼	12/06/24 15:52	12/11/24 15:04	1
Endrin ketone	ND		7.9	0.55	ug/Kg	☼	12/06/24 15:52	12/11/24 15:04	1
Endrin aldehyde	ND		7.9	0.92	ug/Kg	☼	12/06/24 15:52	12/11/24 15:04	1
cis-Chlordane	ND		4.9	0.48	ug/Kg	☼	12/06/24 15:52	12/11/24 15:04	1
trans-Chlordane	ND		4.9	0.71	ug/Kg	☼	12/06/24 15:52	12/11/24 15:04	1
Toxaphene	ND		99	70	ug/Kg	☼	12/06/24 15:52	12/11/24 15:04	1
Alachlor	ND		4.9	1.4	ug/Kg	☼	12/06/24 15:52	12/11/24 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*95*		*30 - 150*	*12/06/24 15:52*	*12/11/24 15:04*	*1*

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Client Sample ID: R1-3
Date Collected: 11/26/24 09:00
Date Received: 12/02/24 11:07

Lab Sample ID: 620-22641-6
Matrix: Solid
Percent Solids: 84.8

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*116*		*30 - 150*	*12/06/24 15:52*	*12/11/24 15:04*	*1*
DCB Decachlorobiphenyl (Surr)	*70*		*30 - 150*	*12/06/24 15:52*	*12/11/24 15:04*	*1*
DCB Decachlorobiphenyl (Surr)	*55*		*30 - 150*	*12/06/24 15:52*	*12/11/24 15:04*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.4**	**J**	11	0.82	mg/Kg	☼	12/05/24 14:45	12/06/24 16:12	2
Arsenic	**6.4**		3.3	0.42	mg/Kg	☼	12/05/24 14:45	12/06/24 16:12	2
Beryllium	**0.14**	**J**	1.1	0.055	mg/Kg	☼	12/05/24 14:45	12/06/24 16:12	2
Barium	**25**		2.2	0.26	mg/Kg	☼	12/05/24 14:45	12/06/24 16:12	2
Cadmium	**0.38**	**J**	1.1	0.057	mg/Kg	☼	12/05/24 14:45	12/06/24 16:12	2
Chromium	**21**		2.2	0.29	mg/Kg	☼	12/05/24 14:45	12/06/24 16:12	2
Copper	**19**		2.2	0.53	mg/Kg	☼	12/05/24 14:45	12/06/24 16:12	2
Lead	**7.4**		3.3	0.46	mg/Kg	☼	12/05/24 14:45	12/06/24 16:12	2
Nickel	**25**		2.2	0.25	mg/Kg	☼	12/05/24 14:45	12/06/24 16:12	2
Selenium	ND		3.3	0.63	mg/Kg	☼	12/05/24 14:45	12/06/24 16:12	2
Silver	ND		3.3	0.36	mg/Kg	☼	12/05/24 14:45	12/06/24 16:12	2
Thallium	ND		6.6	2.4	mg/Kg	☼	12/05/24 14:45	12/06/24 16:12	2
Zinc	**56**		6.6	1.7	mg/Kg	☼	12/05/24 14:45	12/06/24 16:12	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.013**	**J**	0.049	0.0081	mg/Kg	☼	12/06/24 09:09	12/06/24 17:20	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		TPHL	FBP								
Lab Sample ID	Client Sample ID	(30-130)	(30-130)								
620-22641-1	DU-M1-A	83	74								
620-22641-2	DU-M1-B	89	81								
620-22641-3	DU-M1-C	85	80								
620-22641-4	R1-1	84	83								
620-22641-5	R1-2	77	82								
620-22641-6	R1-3	65	73								
LCS 620-42019/4-A	Lab Control Sample	94	85								
LCSD 620-42019/5-A	Lab Control Sample Dup	93	84								
MB 620-42019/1-A	Method Blank	88	80								

Surrogate Legend

TPHL = Terphenyl-d14 (Surr)
FBP = 2-Fluorobiphenyl (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		TCX1	TCX2	DCB1	DCB2						
Lab Sample ID	Client Sample ID	(30-150)	(30-150)	(30-150)	(30-150)						
620-22641-1	DU-M1-A	69	68	124	55 p						
620-22641-2	DU-M1-B	95	93	122	67 p						
620-22641-3	DU-M1-C	91	96	99	66						
620-22641-4	R1-1	93	102	69	53						
620-22641-5	R1-2	101	77	67	53						
620-22641-6	R1-3	95	116	70	55						
LCS 620-42224/2-A	Lab Control Sample	97	101	102	102						
LCSD 620-42224/3-A	Lab Control Sample Dup	89	92	100	101						
MB 620-42224/1-A	Method Blank	102	110	115	107						

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl (Surr)

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Lab Sample ID: MB 620-42019/1-A
Matrix: Solid
Analysis Batch: 42093

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42019

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		16	6.6	ug/Kg		12/03/24 09:15	12/04/24 12:28	1
Acenaphthylene	ND		16	6.6	ug/Kg		12/03/24 09:15	12/04/24 12:28	1
1-Methylnaphthalene	ND		16	6.6	ug/Kg		12/03/24 09:15	12/04/24 12:28	1
Anthracene	ND		16	6.6	ug/Kg		12/03/24 09:15	12/04/24 12:28	1
Benzo[a]anthracene	ND		16	6.6	ug/Kg		12/03/24 09:15	12/04/24 12:28	1
Benzo[a]pyrene	7.06	J	16	6.6	ug/Kg		12/03/24 09:15	12/04/24 12:28	1
Benzo[b]fluoranthene	ND		16	6.6	ug/Kg		12/03/24 09:15	12/04/24 12:28	1
Benzo[g,h,i]perylene	ND		16	6.6	ug/Kg		12/03/24 09:15	12/04/24 12:28	1
Benzo[k]fluoranthene	ND		16	6.6	ug/Kg		12/03/24 09:15	12/04/24 12:28	1
Chrysene	ND		16	6.6	ug/Kg		12/03/24 09:15	12/04/24 12:28	1
Dibenz(a,h)anthracene	ND		16	6.6	ug/Kg		12/03/24 09:15	12/04/24 12:28	1
Fluoranthene	ND		16	6.6	ug/Kg		12/03/24 09:15	12/04/24 12:28	1
Fluorene	ND		16	6.6	ug/Kg		12/03/24 09:15	12/04/24 12:28	1
Indeno[1,2,3-cd]pyrene	ND		16	6.6	ug/Kg		12/03/24 09:15	12/04/24 12:28	1
2-Methylnaphthalene	ND		16	6.6	ug/Kg		12/03/24 09:15	12/04/24 12:28	1
Naphthalene	ND		16	6.6	ug/Kg		12/03/24 09:15	12/04/24 12:28	1
Phenanthrene	ND		16	6.6	ug/Kg		12/03/24 09:15	12/04/24 12:28	1
Pyrene	ND		16	6.6	ug/Kg		12/03/24 09:15	12/04/24 12:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*88*		*30 - 130*	*12/03/24 09:15*	*12/04/24 12:28*	*1*
2-Fluorobiphenyl (Surr)	*80*		*30 - 130*	*12/03/24 09:15*	*12/04/24 12:28*	*1*

Lab Sample ID: LCS 620-42019/4-A
Matrix: Solid
Analysis Batch: 42093

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42019

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	167	128		ug/Kg		77	26 - 100
Acenaphthylene	167	123		ug/Kg		74	26 - 100
1-Methylnaphthalene	167	135		ug/Kg		81	22 - 100
Anthracene	167	141		ug/Kg		84	33 - 100
Benzo[a]anthracene	167	133		ug/Kg		80	36 - 100
Benzo[a]pyrene	167	145		ug/Kg		87	36 - 100
Benzo[b]fluoranthene	167	156		ug/Kg		94	33 - 110
Benzo[g,h,i]perylene	167	157		ug/Kg		94	38 - 110
Benzo[k]fluoranthene	167	141		ug/Kg		85	35 - 110
Chrysene	167	140		ug/Kg		84	37 - 110
Dibenz(a,h)anthracene	167	152		ug/Kg		91	34 - 110
Fluoranthene	167	133		ug/Kg		80	35 - 110
Fluorene	167	126		ug/Kg		76	29 - 100
Indeno[1,2,3-cd]pyrene	167	149		ug/Kg		89	36 - 110
2-Methylnaphthalene	167	126		ug/Kg		75	24 - 100
Naphthalene	167	125		ug/Kg		75	25 - 100
Phenanthrene	167	127		ug/Kg		76	33 - 100
Pyrene	167	134		ug/Kg		80	38 - 110

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: LCS 620-42019/4-A
Matrix: Solid
Analysis Batch: 42093

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42019

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14 (Surr)	*94*		*30 - 130*
2-Fluorobiphenyl (Surr)	*85*		*30 - 130*

Lab Sample ID: LCSD 620-42019/5-A
Matrix: Solid
Analysis Batch: 42093

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 42019

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			167	125		ug/Kg		75	26 - 100	2	30
Acenaphthylene			167	122		ug/Kg		73	26 - 100	1	30
1-Methylnaphthalene			167	130		ug/Kg		78	22 - 100	4	30
Anthracene			167	139		ug/Kg		83	33 - 100	1	30
Benzo[a]anthracene			167	134		ug/Kg		80	36 - 100	0	30
Benzo[a]pyrene			167	143		ug/Kg		86	36 - 100	1	30
Benzo[b]fluoranthene			167	157		ug/Kg		94	33 - 110	0	30
Benzo[g,h,i]perylene			167	156		ug/Kg		93	38 - 110	1	30
Benzo[k]fluoranthene			167	139		ug/Kg		84	35 - 110	1	30
Chrysene			167	135		ug/Kg		81	37 - 110	3	30
Dibenz(a,h)anthracene			167	152		ug/Kg		91	34 - 110	0	30
Fluoranthene			167	135		ug/Kg		81	35 - 110	1	30
Fluorene			167	125		ug/Kg		75	29 - 100	1	30
Indeno[1,2,3-cd]pyrene			167	146		ug/Kg		88	36 - 110	2	30
2-Methylnaphthalene			167	119		ug/Kg		72	24 - 100	5	30
Naphthalene			167	124		ug/Kg		75	25 - 100	1	30
Phenanthrene			167	126		ug/Kg		75	33 - 100	1	30
Pyrene			167	134		ug/Kg		81	38 - 110	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Terphenyl-d14 (Surr)	*93*		*30 - 130*
2-Fluorobiphenyl (Surr)	*84*		*30 - 130*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 620-42224/1-A
Matrix: Solid
Analysis Batch: 42322

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42224

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.0	0.48	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
beta-BHC	ND		5.0	0.65	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
delta-BHC	ND		5.0	0.83	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
gamma-BHC (Lindane)	ND		2.0	0.45	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Heptachlor	ND		5.0	0.61	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Aldrin	ND		5.0	0.47	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Heptachlor epoxide	ND		5.0	0.52	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Endosulfan I	ND		5.0	0.52	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Dieldrin	ND		5.0	0.55	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
4,4'-DDE	ND		8.0	0.66	ug/Kg		12/06/24 15:52	12/10/24 11:11	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 620-42224/1-A
Matrix: Solid
Analysis Batch: 42322

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42224

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	ND		8.0	0.71	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Endosulfan II	ND		8.0	0.52	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
4,4'-DDD	ND		8.0	1.2	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Endosulfan sulfate	ND		8.0	0.53	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
4,4'-DDT	ND		8.0	1.3	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Methoxychlor	ND		8.0	1.5	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Endrin ketone	ND		8.0	0.56	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Endrin aldehyde	ND		8.0	0.93	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
cis-Chlordane	ND		5.0	0.49	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
trans-Chlordane	ND		5.0	0.72	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Toxaphene	ND		100	71	ug/Kg		12/06/24 15:52	12/10/24 11:11	1
Alachlor	ND		5.0	1.4	ug/Kg		12/06/24 15:52	12/10/24 11:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*102*		*30 - 150*	*12/06/24 15:52*	*12/10/24 11:11*	*1*
Tetrachloro-m-xylene	*110*		*30 - 150*	*12/06/24 15:52*	*12/10/24 11:11*	*1*
DCB Decachlorobiphenyl (Surr)	*115*		*30 - 150*	*12/06/24 15:52*	*12/10/24 11:11*	*1*
DCB Decachlorobiphenyl (Surr)	*107*		*30 - 150*	*12/06/24 15:52*	*12/10/24 11:11*	*1*

Lab Sample ID: LCS 620-42224/2-A
Matrix: Solid
Analysis Batch: 42322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42224

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
alpha-BHC	13.4	11.6		ug/Kg		87	48 - 112
alpha-BHC	13.4	12.9		ug/Kg		96	48 - 112
beta-BHC	13.3	11.4		ug/Kg		85	55 - 117
beta-BHC	13.3	12.9		ug/Kg		97	55 - 117
delta-BHC	13.4	12.8		ug/Kg		95	51 - 113
delta-BHC	13.4	12.5		ug/Kg		93	51 - 113
gamma-BHC (Lindane)	13.5	11.9		ug/Kg		89	51 - 113
gamma-BHC (Lindane)	13.5	12.8		ug/Kg		95	51 - 113
Heptachlor	13.4	11.4		ug/Kg		85	52 - 115
Heptachlor	13.4	11.3		ug/Kg		84	52 - 115
Aldrin	13.4	11.4		ug/Kg		85	46 - 115
Aldrin	13.4	12.4		ug/Kg		93	46 - 115
Heptachlor epoxide	13.3	11.3		ug/Kg		85	51 - 116
Heptachlor epoxide	13.3	11.3		ug/Kg		85	51 - 116
Endosulfan I	13.3	12.4		ug/Kg		93	53 - 126
Endosulfan I	13.3	11.5		ug/Kg		86	53 - 126
Dieldrin	13.4	11.8		ug/Kg		89	59 - 120
Dieldrin	13.4	13.0		ug/Kg		97	59 - 120
4,4'-DDE	13.4	12.0		ug/Kg		89	56 - 118
4,4'-DDE	13.4	10.1		ug/Kg		75	56 - 118
Endrin	13.4	15.6		ug/Kg		117	60 - 140
Endrin	13.4	15.2		ug/Kg		114	60 - 140
Endosulfan II	13.3	11.7		ug/Kg		87	53 - 128
Endosulfan II	13.3	11.4		ug/Kg		85	53 - 128

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 620-42224/2-A
Matrix: Solid
Analysis Batch: 42322

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42224

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
4,4'-DDD			13.4	12.3		ug/Kg		92	60 - 125		
4,4'-DDD			13.4	13.7		ug/Kg		102	60 - 125		
Endosulfan sulfate			13.4	11.1		ug/Kg		83	47 - 138		
Endosulfan sulfate			13.4	11.2		ug/Kg		83	47 - 138		
4,4'-DDT			13.5	11.2		ug/Kg		83	60 - 140		
4,4'-DDT			13.5	13.2		ug/Kg		98	60 - 140		
Methoxychlor			13.3	11.1		ug/Kg		83	60 - 140		
Methoxychlor			13.3	12.4		ug/Kg		93	60 - 140		
Endrin ketone			13.4	10.3		ug/Kg		77	50 - 123		
Endrin ketone			13.4	10.5		ug/Kg		78	50 - 123		
Endrin aldehyde			13.4	9.01		ug/Kg		67	25 - 132		
Endrin aldehyde			13.4	10.6		ug/Kg		79	25 - 132		
cis-Chlordane			13.4	11.8		ug/Kg		88	51 - 121		
cis-Chlordane			13.4	11.4		ug/Kg		85	51 - 121		
trans-Chlordane			13.4	12.1		ug/Kg		90	47 - 129		
trans-Chlordane			13.4	11.3		ug/Kg		84	47 - 129		
Alachlor			13.4	13.7		ug/Kg		102	55 - 130		
Alachlor			13.4	11.4		ug/Kg		85	55 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*97*		*30 - 150*
Tetrachloro-m-xylene	*101*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*102*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*102*		*30 - 150*

Lab Sample ID: LCSD 620-42224/3-A
Matrix: Solid
Analysis Batch: 42322

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 42224

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
alpha-BHC			13.4	11.0		ug/Kg		82	48 - 112	6	30
alpha-BHC			13.4	12.2		ug/Kg		91	48 - 112	5	30
beta-BHC			13.3	10.9		ug/Kg		81	55 - 117	5	30
beta-BHC			13.3	12.3		ug/Kg		92	55 - 117	5	30
delta-BHC			13.4	12.3		ug/Kg		92	51 - 113	4	30
delta-BHC			13.4	12.2		ug/Kg		91	51 - 113	3	30
gamma-BHC (Lindane)			13.5	11.3		ug/Kg		84	51 - 113	5	30
gamma-BHC (Lindane)			13.5	12.1		ug/Kg		90	51 - 113	5	30
Heptachlor			13.4	10.8		ug/Kg		81	52 - 115	5	30
Heptachlor			13.4	10.7		ug/Kg		80	52 - 115	5	30
Aldrin			13.4	10.8		ug/Kg		81	46 - 115	5	30
Aldrin			13.4	11.8		ug/Kg		88	46 - 115	5	30
Heptachlor epoxide			13.3	10.9		ug/Kg		82	51 - 116	4	30
Heptachlor epoxide			13.3	10.9		ug/Kg		81	51 - 116	4	30
Endosulfan I			13.3	11.9		ug/Kg		89	53 - 126	4	30
Endosulfan I			13.3	13.8		ug/Kg		104	53 - 126	18	30
Dieldrin			13.4	11.5		ug/Kg		86	59 - 120	3	30
Dieldrin			13.4	12.6		ug/Kg		95	59 - 120	2	30

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 620-42224/3-A
Matrix: Solid
Analysis Batch: 42322

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 42224

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDE			13.4	11.6		ug/Kg		87	56 - 118	3	30
4,4'-DDE			13.4	9.77		ug/Kg		73	56 - 118	3	30
Endrin			13.4	15.2		ug/Kg		114	60 - 140	2	30
Endrin			13.4	14.9		ug/Kg		111	60 - 140	2	30
Endosulfan II			13.3	11.5		ug/Kg		86	53 - 128	1	30
Endosulfan II			13.3	11.4		ug/Kg		85	53 - 128	0	30
4,4'-DDD			13.4	12.2		ug/Kg		91	60 - 125	1	30
4,4'-DDD			13.4	13.8		ug/Kg		103	60 - 125	1	30
Endosulfan sulfate			13.4	11.1		ug/Kg		83	47 - 138	0	30
Endosulfan sulfate			13.4	11.2		ug/Kg		84	47 - 138	1	30
4,4'-DDT			13.5	10.9		ug/Kg		81	60 - 140	3	30
4,4'-DDT			13.5	13.3		ug/Kg		98	60 - 140	1	30
Methoxychlor			13.3	11.1		ug/Kg		83	60 - 140	0	30
Methoxychlor			13.3	12.9		ug/Kg		96	60 - 140	3	30
Endrin ketone			13.4	10.3		ug/Kg		77	50 - 123	1	30
Endrin ketone			13.4	10.6		ug/Kg		79	50 - 123	2	30
Endrin aldehyde			13.4	8.97		ug/Kg		67	25 - 132	1	30
Endrin aldehyde			13.4	10.4		ug/Kg		78	25 - 132	1	30
cis-Chlordane			13.4	11.3		ug/Kg		84	51 - 121	4	30
cis-Chlordane			13.4	11.0		ug/Kg		82	51 - 121	3	30
trans-Chlordane			13.4	11.6		ug/Kg		86	47 - 129	5	30
trans-Chlordane			13.4	10.9		ug/Kg		81	47 - 129	4	30
Alachlor			13.4	13.4		ug/Kg		100	55 - 130	2	30
Alachlor			13.4	11.2		ug/Kg		84	55 - 130	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*89*		*30 - 150*
Tetrachloro-m-xylene	*92*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*100*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*101*		*30 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 620-42168/1-A
Matrix: Solid
Analysis Batch: 42234

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42168

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10	0.75	mg/Kg		12/05/24 14:45	12/06/24 14:58	1
Arsenic	ND		3.0	0.38	mg/Kg		12/05/24 14:45	12/06/24 14:58	1
Beryllium	ND		1.0	0.050	mg/Kg		12/05/24 14:45	12/06/24 14:58	1
Barium	ND		2.0	0.24	mg/Kg		12/05/24 14:45	12/06/24 14:58	1
Cadmium	ND		1.0	0.052	mg/Kg		12/05/24 14:45	12/06/24 14:58	1
Chromium	ND		2.0	0.27	mg/Kg		12/05/24 14:45	12/06/24 14:58	1
Copper	ND		2.0	0.48	mg/Kg		12/05/24 14:45	12/06/24 14:58	1
Lead	ND		3.0	0.42	mg/Kg		12/05/24 14:45	12/06/24 14:58	1
Nickel	ND		2.0	0.23	mg/Kg		12/05/24 14:45	12/06/24 14:58	1
Selenium	ND		3.0	0.57	mg/Kg		12/05/24 14:45	12/06/24 14:58	1
Silver	ND		3.0	0.32	mg/Kg		12/05/24 14:45	12/06/24 14:58	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 620-42168/1-A
Matrix: Solid
Analysis Batch: 42234

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42168

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		6.0	2.2	mg/Kg		12/05/24 14:45	12/06/24 14:58	1
Zinc	ND		6.0	1.5	mg/Kg		12/05/24 14:45	12/06/24 14:58	1

Lab Sample ID: LCSSRM 620-42168/2-A ^6
Matrix: Solid
Analysis Batch: 42234

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42168

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	121	148		mg/Kg		122.5	0.0 - 200.8
Arsenic	242	250		mg/Kg		103.1	81.8 - 118.6
Beryllium	160	170		mg/Kg		106.3	82.5 - 117.5
Barium	295	265		mg/Kg		89.9	81.7 - 118.3
Cadmium	84.3	87.8		mg/Kg		104.1	82.2 - 117.8
Chromium	239	196		mg/Kg		81.8	72.4 - 106.3
Copper	217	197		mg/Kg		90.9	74.7 - 105.1
Lead	194	191		mg/Kg		98.2	82.0 - 118.6
Nickel	298	252		mg/Kg		84.5	82.2 - 117.8
Selenium	272	256		mg/Kg		94.2	80.1 - 119.5
Silver	76.7	78.3		mg/Kg		102.0	79.5 - 120.5
Thallium	108	102		mg/Kg		94.4	80.0 - 119.4
Zinc	236	230		mg/Kg		97.3	80.1 - 120.3

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 620-42198/1-A
Matrix: Solid
Analysis Batch: 42272

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42198

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.050	0.0083	mg/Kg		12/06/24 09:09	12/06/24 16:45	1

Lab Sample ID: LCSSRM 620-42198/2-A ^50
Matrix: Solid
Analysis Batch: 42272

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42198

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	22.8	20.4		mg/Kg		89.3	70.6 - 129.4

GC/MS Semi VOA

Prep Batch: 42019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22641-1	DU-M1-A	Total/NA	Solid	3546	
620-22641-2	DU-M1-B	Total/NA	Solid	3546	
620-22641-3	DU-M1-C	Total/NA	Solid	3546	
620-22641-4	R1-1	Total/NA	Solid	3546	
620-22641-5	R1-2	Total/NA	Solid	3546	
620-22641-6	R1-3	Total/NA	Solid	3546	
MB 620-42019/1-A	Method Blank	Total/NA	Solid	3546	
LCS 620-42019/4-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 620-42019/5-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 42093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 620-42019/1-A	Method Blank	Total/NA	Solid	8270D_LL_PAH	42019
LCS 620-42019/4-A	Lab Control Sample	Total/NA	Solid	8270D_LL_PAH	42019
LCSD 620-42019/5-A	Lab Control Sample Dup	Total/NA	Solid	8270D_LL_PAH	42019

Analysis Batch: 42149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22641-1	DU-M1-A	Total/NA	Solid	8270D_LL_PAH	42019
620-22641-2	DU-M1-B	Total/NA	Solid	8270D_LL_PAH	42019
620-22641-3	DU-M1-C	Total/NA	Solid	8270D_LL_PAH	42019
620-22641-4	R1-1	Total/NA	Solid	8270D_LL_PAH	42019
620-22641-5	R1-2	Total/NA	Solid	8270D_LL_PAH	42019
620-22641-6	R1-3	Total/NA	Solid	8270D_LL_PAH	42019

GC Semi VOA

Prep Batch: 42224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22641-1	DU-M1-A	Total/NA	Solid	3546	
620-22641-2	DU-M1-B	Total/NA	Solid	3546	
620-22641-3	DU-M1-C	Total/NA	Solid	3546	
620-22641-4	R1-1	Total/NA	Solid	3546	
620-22641-5	R1-2	Total/NA	Solid	3546	
620-22641-6	R1-3	Total/NA	Solid	3546	
MB 620-42224/1-A	Method Blank	Total/NA	Solid	3546	
LCS 620-42224/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 620-42224/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 42322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 620-42224/1-A	Method Blank	Total/NA	Solid	8081B	42224
LCS 620-42224/2-A	Lab Control Sample	Total/NA	Solid	8081B	42224
LCSD 620-42224/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	42224

Analysis Batch: 42349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22641-1	DU-M1-A	Total/NA	Solid	8081B	42224
620-22641-2	DU-M1-B	Total/NA	Solid	8081B	42224
620-22641-2	DU-M1-B	Total/NA	Solid	8081B	42224
620-22641-3	DU-M1-C	Total/NA	Solid	8081B	42224

GC Semi VOA (Continued)

Analysis Batch: 42349 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22641-4	R1-1	Total/NA	Solid	8081B	42224
620-22641-5	R1-2	Total/NA	Solid	8081B	42224
620-22641-6	R1-3	Total/NA	Solid	8081B	42224

Metals

Prep Batch: 42168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22641-1	DU-M1-A	Total/NA	Solid	3050B	
620-22641-2	DU-M1-B	Total/NA	Solid	3050B	
620-22641-3	DU-M1-C	Total/NA	Solid	3050B	
620-22641-4	R1-1	Total/NA	Solid	3050B	
620-22641-5	R1-2	Total/NA	Solid	3050B	
620-22641-6	R1-3	Total/NA	Solid	3050B	
MB 620-42168/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 620-42168/2-A ^6	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 42198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22641-1	DU-M1-A	Total/NA	Solid	7471B	
620-22641-2	DU-M1-B	Total/NA	Solid	7471B	
620-22641-3	DU-M1-C	Total/NA	Solid	7471B	
620-22641-4	R1-1	Total/NA	Solid	7471B	
620-22641-5	R1-2	Total/NA	Solid	7471B	
620-22641-6	R1-3	Total/NA	Solid	7471B	
MB 620-42198/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 620-42198/2-A ^50	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 42234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22641-1	DU-M1-A	Total/NA	Solid	6010D	42168
620-22641-2	DU-M1-B	Total/NA	Solid	6010D	42168
620-22641-3	DU-M1-C	Total/NA	Solid	6010D	42168
620-22641-4	R1-1	Total/NA	Solid	6010D	42168
620-22641-5	R1-2	Total/NA	Solid	6010D	42168
620-22641-6	R1-3	Total/NA	Solid	6010D	42168
MB 620-42168/1-A	Method Blank	Total/NA	Solid	6010D	42168
LCSSRM 620-42168/2-A ^6	Lab Control Sample	Total/NA	Solid	6010D	42168

Analysis Batch: 42272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22641-1	DU-M1-A	Total/NA	Solid	7471B	42198
620-22641-2	DU-M1-B	Total/NA	Solid	7471B	42198
620-22641-3	DU-M1-C	Total/NA	Solid	7471B	42198
620-22641-4	R1-1	Total/NA	Solid	7471B	42198
620-22641-5	R1-2	Total/NA	Solid	7471B	42198
620-22641-6	R1-3	Total/NA	Solid	7471B	42198
MB 620-42198/1-A	Method Blank	Total/NA	Solid	7471B	42198
LCSSRM 620-42198/2-A ^50	Lab Control Sample	Total/NA	Solid	7471B	42198

QC Association Summary

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

General Chemistry

Analysis Batch: 42040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22641-1	DU-M1-A	Total/NA	Solid	Moisture	
620-22641-2	DU-M1-B	Total/NA	Solid	Moisture	
620-22641-3	DU-M1-C	Total/NA	Solid	Moisture	
620-22641-4	R1-1	Total/NA	Solid	Moisture	
620-22641-5	R1-2	Total/NA	Solid	Moisture	
620-22641-6	R1-3	Total/NA	Solid	Moisture	

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Client Sample ID: DU-M1-A
Date Collected: 11/25/24 16:35
Date Received: 12/02/24 11:07

Lab Sample ID: 620-22641-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42040	JPC	EET RI	12/03/24 12:19

Client Sample ID: DU-M1-A
Date Collected: 11/25/24 16:35
Date Received: 12/02/24 11:07

Lab Sample ID: 620-22641-1
Matrix: Solid
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42019	RWS	EET RI	12/03/24 09:15
Total/NA	Analysis	8270D_LL_PAH		1	42149	JS	EET RI	12/05/24 17:53
Total/NA	Prep	3546			42224	JAC	EET RI	12/06/24 15:52
Total/NA	Analysis	8081B		1	42349	BJJ	EET RI	12/11/24 13:44
Total/NA	Prep	3050B			42168	DJW	EET RI	12/05/24 14:45
Total/NA	Analysis	6010D		2	42234	DJW	EET RI	12/06/24 15:29
Total/NA	Prep	7471B			42198	DJW	EET RI	12/06/24 09:09
Total/NA	Analysis	7471B		1	42272	PRB	EET RI	12/06/24 17:09

Client Sample ID: DU-M1-B
Date Collected: 11/25/24 16:36
Date Received: 12/02/24 11:07

Lab Sample ID: 620-22641-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42040	JPC	EET RI	12/03/24 12:19

Client Sample ID: DU-M1-B
Date Collected: 11/25/24 16:36
Date Received: 12/02/24 11:07

Lab Sample ID: 620-22641-2
Matrix: Solid
Percent Solids: 72.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42019	RWS	EET RI	12/03/24 09:15
Total/NA	Analysis	8270D_LL_PAH		1	42149	JS	EET RI	12/05/24 18:19
Total/NA	Prep	3546			42224	JAC	EET RI	12/06/24 15:52
Total/NA	Analysis	8081B		1	42349	BJJ	EET RI	12/11/24 14:00
Total/NA	Prep	3546			42224	JAC	EET RI	12/06/24 15:52
Total/NA	Analysis	8081B		5	42349	BJJ	EET RI	12/11/24 15:24
Total/NA	Prep	3050B			42168	DJW	EET RI	12/05/24 14:45
Total/NA	Analysis	6010D		2	42234	DJW	EET RI	12/06/24 15:35
Total/NA	Prep	7471B			42198	DJW	EET RI	12/06/24 09:09
Total/NA	Analysis	7471B		1	42272	PRB	EET RI	12/06/24 17:11

Client Sample ID: DU-M1-C
Date Collected: 11/25/24 16:37
Date Received: 12/02/24 11:07

Lab Sample ID: 620-22641-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42040	JPC	EET RI	12/03/24 12:19

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Client Sample ID: DU-M1-C
Lab Sample ID: 620-22641-3
Date Collected: 11/25/24 16:37
Matrix: Solid
Date Received: 12/02/24 11:07
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42019	RWS	EET RI	12/03/24 09:15
Total/NA	Analysis	8270D_LL_PAH		1	42149	JS	EET RI	12/05/24 18:44
Total/NA	Prep	3546			42224	JAC	EET RI	12/06/24 15:52
Total/NA	Analysis	8081B		1	42349	BJJ	EET RI	12/11/24 14:16
Total/NA	Prep	3050B			42168	DJW	EET RI	12/05/24 14:45
Total/NA	Analysis	6010D		2	42234	DJW	EET RI	12/06/24 15:53
Total/NA	Prep	7471B			42198	DJW	EET RI	12/06/24 09:09
Total/NA	Analysis	7471B		1	42272	PRB	EET RI	12/06/24 17:13

Client Sample ID: R1-1
Lab Sample ID: 620-22641-4
Date Collected: 11/26/24 08:30
Matrix: Solid
Date Received: 12/02/24 11:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42040	JPC	EET RI	12/03/24 12:19

Client Sample ID: R1-1
Lab Sample ID: 620-22641-4
Date Collected: 11/26/24 08:30
Matrix: Solid
Date Received: 12/02/24 11:07
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42019	RWS	EET RI	12/03/24 09:15
Total/NA	Analysis	8270D_LL_PAH		1	42149	JS	EET RI	12/05/24 19:10
Total/NA	Prep	3546			42224	JAC	EET RI	12/06/24 15:52
Total/NA	Analysis	8081B		1	42349	BJJ	EET RI	12/11/24 14:32
Total/NA	Prep	3050B			42168	DJW	EET RI	12/05/24 14:45
Total/NA	Analysis	6010D		2	42234	DJW	EET RI	12/06/24 15:59
Total/NA	Prep	7471B			42198	DJW	EET RI	12/06/24 09:09
Total/NA	Analysis	7471B		1	42272	PRB	EET RI	12/06/24 17:16

Client Sample ID: R1-2
Lab Sample ID: 620-22641-5
Date Collected: 11/26/24 08:45
Matrix: Solid
Date Received: 12/02/24 11:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42040	JPC	EET RI	12/03/24 12:19

Client Sample ID: R1-2
Lab Sample ID: 620-22641-5
Date Collected: 11/26/24 08:45
Matrix: Solid
Date Received: 12/02/24 11:07
Percent Solids: 80.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42019	RWS	EET RI	12/03/24 09:15
Total/NA	Analysis	8270D_LL_PAH		1	42149	JS	EET RI	12/05/24 19:35
Total/NA	Prep	3546			42224	JAC	EET RI	12/06/24 15:52
Total/NA	Analysis	8081B		1	42349	BJJ	EET RI	12/11/24 14:48

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Client Sample ID: R1-2

Lab Sample ID: 620-22641-5
Date Collected: 11/26/24 08:45
Matrix: Solid
Date Received: 12/02/24 11:07
Percent Solids: 80.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			42168	DJW	EET RI	12/05/24 14:45
Total/NA	Analysis	6010D		2	42234	DJW	EET RI	12/06/24 16:06
Total/NA	Prep	7471B			42198	DJW	EET RI	12/06/24 09:09
Total/NA	Analysis	7471B		1	42272	PRB	EET RI	12/06/24 17:18

Client Sample ID: R1-3

Lab Sample ID: 620-22641-6
Date Collected: 11/26/24 09:00
Matrix: Solid
Date Received: 12/02/24 11:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42040	JPC	EET RI	12/03/24 12:19

Client Sample ID: R1-3

Lab Sample ID: 620-22641-6
Date Collected: 11/26/24 09:00
Matrix: Solid
Date Received: 12/02/24 11:07
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42019	RWS	EET RI	12/03/24 09:15
Total/NA	Analysis	8270D_LL_PAH		1	42149	JS	EET RI	12/05/24 20:00
Total/NA	Prep	3546			42224	JAC	EET RI	12/06/24 15:52
Total/NA	Analysis	8081B		1	42349	BJJ	EET RI	12/11/24 15:04
Total/NA	Prep	3050B			42168	DJW	EET RI	12/05/24 14:45
Total/NA	Analysis	6010D		2	42234	DJW	EET RI	12/06/24 16:12
Total/NA	Prep	7471B			42198	DJW	EET RI	12/06/24 09:09
Total/NA	Analysis	7471B		1	42272	PRB	EET RI	12/06/24 17:20

Laboratory References:

EET RI = Eurofins Rhode Island, 646 Camp Ave, North Kingstown, RI 02852, TEL (413)789-9018

Accreditation/Certification Summary

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Laboratory: Eurofins Rhode Island

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7165.01	01-31-26
Connecticut	State	PH-0722	06-30-26
Maine	State	RI00100	05-09-25
Massachusetts	State	M-RI907	06-30-25
New Hampshire	NELAP	2245	09-17-25
New Jersey	NELAP	RI008	06-30-25
New York	NELAP	11393	04-01-25
Rhode Island	State	LAI00368	12-31-25

Method Summary

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Method	Method Description	Protocol	Laboratory
8270D_LL_PAH	Semivolatile Organic Compounds (GC/MS) Low level PAH	SW846	EET RI
8081B	Organochlorine Pesticides (GC)	SW846	EET RI
6010D	Metals (ICP)	SW846	EET RI
7471B	Mercury (CVAA)	SW846	EET RI
Moisture	Percent Moisture	EPA	EET RI
3050B	Preparation, Metals	SW846	EET RI
3546	Microwave Extraction	SW846	EET RI
7471B	Preparation, Mercury	SW846	EET RI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET RI = Eurofins Rhode Island, 646 Camp Ave, North Kingstown, RI 02852, TEL (413)789-9018

Sample Summary

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-22641-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
620-22641-1	DU-M1-A	Solid	11/25/24 16:35	12/02/24 11:07
620-22641-2	DU-M1-B	Solid	11/25/24 16:36	12/02/24 11:07
620-22641-3	DU-M1-C	Solid	11/25/24 16:37	12/02/24 11:07
620-22641-4	R1-1	Solid	11/26/24 08:30	12/02/24 11:07
620-22641-5	R1-2	Solid	11/26/24 08:45	12/02/24 11:07
620-22641-6	R1-3	Solid	11/26/24 09:00	12/02/24 11:07

22641

Chain of Custody Record

Eurofins Rhode Island
646 Camp Ave
North Kingstown, RI 02852
Phone: 413-789-9018 Fax: 413-506-3830

eurofins | Environment Testing

Client Information	Sampler: JGW	Lab PM	Carrier Tracking No(s)	COC No: 620-20396-3017 4
Client Contact: Laura Rajnak	Phone:	E-Mail: lrajnak@stone-env.com	State of Origin: VT	Page: Page 4 of 10 1 of 1
Company: Stone Environmental	PWSID			Job #:
Address: 535 Stone Cutters Way	Due Date Requested:			
City: Montpelier	TAT Requested (days): Standard			
State, Zip: VT, 05602	Compliance Project: Δ Yes Δ No			
Phone: 228-731-1000	PO #: 20221113			
Email: lrajnak@stone-env com	WO #:			
Project Name: 203 Country Club Rd	Project #: 20221113			
Site: Montpelier, VT	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
J - DI Water
F - MeOH
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D, 7471B, 8081B	8270D_LL_PAH - LL PAH	8260C -	8260C - 8260	D_2974, D2937, D854	8260C -	8260D -	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	J	F					
1 DU-M1-A	11/25/24	16:35	C	Solid	N	N	X	X						2	
2 DU-M1-B		1636	C	Solid			X	X						2	
3 DU-M1-C		1637	C	Solid			X	X						2	
4 R1-1	11/26/24	08 30	G	Solid			X	X						2	
5 R1-2		08:45	G	Solid			X	X						2	
6 R1-3		09:00	G	Solid			X	X						2	
				Solid											
				Solid											
				Solid											
				Solid											
				Solid											

620-22641 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested. I, II, III, IV, Other (specify): EQUIS EZ

Special Instructions/QC Requirements

Empty Kit Relinquished by: | Date | Time | Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: Soren Tellers	11 26-24 15:25	Stone Env	Julian Bruitt	11/26/24 1525	ETA Bwl
Relinquished by: Julian Bruitt	11/26/24 1525	Company	Received by:	11/27/24 0807	Company ERT
Relinquished by:	Date/Time.	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.6 40.2 1-8 #6

Ver: 10/10/2024

04/17/25

Brownfields Committee

345

Page 37 of 39

12/11/2024

ORIGIN ID:BTVA (802) 660-1990
SAMPLE RECEIVING
TEST AMERICA
530 COMMUNITY DRIVE
SUITE 11
BURLINGTON, VT 05401
UNITED STATES US
SHIP DATE: 26NOV24
ACTWG : 36.15 LB MAN
CAD: 000890364/CAFE3855
DIMS: 24x14x16 IN
BILL RECIPIENT
Part # 159469-494 MTW EXP 04/25
TO SAMPLE RECEIVING
EUROFINS NEW ENGLAND
646 CAMP AVE
NORTH KINGSTOWN RI 02852
INV:
PO:
REF:
DEPT:
FedEx
Express
TRK#
0201 4229 7925 2772
WED - 27 NOV 10:30A
PRIORITY OVERNIGHT
XP NCOA
02852
RI - US PVD

Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-22641-1

Login Number: 22641
List Number: 1
Creator: Makhoul, Elie

List Source: Eurofins Rhode Island

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Laura Rajnak
Stone Environmental
535 Stone Cutters Way
Montpelier, Vermont 05602

Generated 12/19/2024 4:43:18 PM

JOB DESCRIPTION

Elks Club

JOB NUMBER

620-22803-1

Eurofins Rhode Island
646 Camp Ave
North Kingstown RI 02852

See page two for job notes and contact information.

myEOL

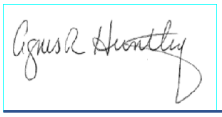
Eurofins Rhode Island

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
12/19/2024 4:43:18 PM

Authorized for release by
Agnes Huntley, Project Manager
Agnes.Huntley@et.eurofinsus.com
(401)267-4374

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 6
Detection Summary 8
Client Sample Results 18
Surrogate Summary 67
QC Sample Results 69
QC Association Summary 86
Lab Chronicle 93
Certification Summary 105
Method Summary 106
Sample Summary 107
Chain of Custody 108
Receipt Checklists 111

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 620-22803-1 Eurofins Rhode Island

Job Narrative
620-22803-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 12/9/2024 6:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.6°C and 2.4°C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 620-42517 exhibited % difference of > 20% for the following analyte: Vinyl chloride; however, the results of the LCS were within the CCV acceptance limits. The EPA method requires that all target analytes in the continuing calibration verification standard be within 20% difference from the initial calibration. According to the laboratory standard operating procedure, the LCS is acceptable if it meets the CCV acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides
Method 8081B: The continuing calibration verification (CCV) associated with batch 620-42575 recovered above the upper control limit for Endrin. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8081B: The continuing calibration verification (CCV) associated with batch 620-42575 recovered outside acceptance criteria, low biased, for Methoxychlor, Endrin ketone and Endrin aldehyde on the primary signal. The analytes were within acceptance range on the confirmation signal. Since the associated samples were non-detect for the analytes, the data are reported.

Method 8081B: The continuing calibration verification (CCV) associated with batch 620-42643 recovered above the upper control limit for Endrin. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8081B: The continuing calibration verification (CCV) associated with batch 620-42643 recovered outside acceptance criteria, low biased, for Endosulfan sulfate, Methoxychlor, Endrin ketone and Endrin aldehyde. The analytes did recover within acceptance limits on the confirmation column. Since the associated samples were non-detect for the analytes, the data are reported.

Method 8081B: The laboratory control sample/ Laboratory control sample duplicate (LCS/LCSD) for preparation batch 620-42528 and analytical batch 620-42643 recovered outside control limits for the following analytes: Methoxychlor and Endrin aldehyde. The affected target analytes recovered within acceptance limits on the confirmation column, demonstrating the analytical system had sufficient sensitivity to detect the compounds had they been present. Since the affected target compounds were not detected in the samples, the data have been reported and qualified.

Method 8081B: The continuing calibration verification (CCV) associated with batch 620-42704 recovered outside acceptance criteria, low biased, for Methoxychlor, Endrin ketone and Endrin aldehyde, on the primary column. The analytes recovered within acceptance limits on the confirmation column. Since the associated samples were non-detect for the analyte(s), the data are reported.

Job ID: 620-22803-1 (Continued) Eurofins Rhode Island

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D: The method blank for preparation batch 620-42359 and analytical batch 620-42447 contained Barium above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6010D: The matrix spike (MS) recoveries for preparation batch 620-42362 and analytical batch 620-42509 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010D: The matrix spike duplicate (MSD) recoveries and precision for preparation batch 620-42362 and analytical batch 620-42509 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010D: The sample duplicate (DUP) precision for preparation batch 620-42362 and analytical batch 620-42509 was outside control limits. Sample non-homogeneity is suspected.

Method 7471B: The sample duplicate (DUP) precision for preparation batch 620-42542 and analytical batch 620-42649 was outside control limits. Sample non-homogeneity is suspected.

Method 7471B: The matrix spike duplicate (MSD) recoveries and precision for preparation batch 620-42542 and analytical batch 620-42649 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) precision was within acceptance limits.

Method 7471B: The matrix spike (MS) recovery for preparation batch 620-42542 and analytical batch 620-42649 was outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-11-2.0 — Lab Sample ID: 620-22803-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	7.1		5.4	0.56	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	2.5	J B	8.7	1.4	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	15	p	5.4	0.53	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	13		5.4	0.78	ug/Kg	1	☼	8081B	Total/NA
Antimony	1.3	J	8.2	0.62	mg/Kg	2	☼	6010D	Total/NA
Arsenic	4.5		2.5	0.31	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.28	J	0.82	0.041	mg/Kg	2	☼	6010D	Total/NA
Barium	51	B	1.6	0.19	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.46	J	0.82	0.043	mg/Kg	2	☼	6010D	Total/NA
Chromium	23		1.6	0.22	mg/Kg	2	☼	6010D	Total/NA
Copper	12		1.6	0.39	mg/Kg	2	☼	6010D	Total/NA
Lead	18		2.5	0.35	mg/Kg	2	☼	6010D	Total/NA
Nickel	22		1.6	0.19	mg/Kg	2	☼	6010D	Total/NA
Zinc	46		4.9	1.3	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.19		0.058	0.0096	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-11-4.0 — Lab Sample ID: 620-22803-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	0.73	J	5.9	0.61	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	4.3	J p	5.9	0.57	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	3.3	J	5.9	0.84	ug/Kg	1	☼	8081B	Total/NA
Antimony	1.7	J	5.9	0.45	mg/Kg	2	☼	6010D	Total/NA
Arsenic	6.3		1.8	0.23	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.64		0.59	0.030	mg/Kg	2	☼	6010D	Total/NA
Barium	120	B	1.2	0.14	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.68		0.59	0.031	mg/Kg	2	☼	6010D	Total/NA
Chromium	45		1.2	0.16	mg/Kg	2	☼	6010D	Total/NA
Copper	31		1.2	0.29	mg/Kg	2	☼	6010D	Total/NA
Lead	15		1.8	0.25	mg/Kg	2	☼	6010D	Total/NA
Nickel	56		1.2	0.14	mg/Kg	2	☼	6010D	Total/NA
Zinc	74		3.6	0.92	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.094		0.065	0.011	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-12-2.0 — Lab Sample ID: 620-22803-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	4.4	J	5.6	0.58	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	3.2	J B	9.0	1.5	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	8.3	p	5.6	0.55	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	5.2	J	5.6	0.81	ug/Kg	1	☼	8081B	Total/NA
Antimony	0.94	J	6.1	0.46	mg/Kg	2	☼	6010D	Total/NA
Arsenic	42		1.8	0.23	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.19	J	0.61	0.031	mg/Kg	2	☼	6010D	Total/NA
Barium	21	B	1.2	0.14	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.36	J	0.61	0.032	mg/Kg	2	☼	6010D	Total/NA
Chromium	17		1.2	0.16	mg/Kg	2	☼	6010D	Total/NA
Copper	9.5		1.2	0.29	mg/Kg	2	☼	6010D	Total/NA
Lead	39		1.8	0.26	mg/Kg	2	☼	6010D	Total/NA
Nickel	21		1.2	0.14	mg/Kg	2	☼	6010D	Total/NA
Zinc	37		3.7	0.95	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.31		0.060	0.010	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-12-4.0 — Lab Sample ID: 620-22803-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	1.8	J	5.8	0.60	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	4.6	J p	5.8	0.57	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	2.7	J	5.8	0.83	ug/Kg	1	☼	8081B	Total/NA
Antimony	0.92	J	7.6	0.57	mg/Kg	2	☼	6010D	Total/NA
Arsenic	7.7		2.3	0.29	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.21	J	0.76	0.038	mg/Kg	2	☼	6010D	Total/NA
Barium	17	B	1.5	0.18	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.49	J	0.76	0.039	mg/Kg	2	☼	6010D	Total/NA
Chromium	15		1.5	0.20	mg/Kg	2	☼	6010D	Total/NA
Copper	16		1.5	0.36	mg/Kg	2	☼	6010D	Total/NA
Lead	14		2.3	0.32	mg/Kg	2	☼	6010D	Total/NA
Nickel	20		1.5	0.17	mg/Kg	2	☼	6010D	Total/NA
Zinc	36		4.6	1.2	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.085		0.058	0.0096	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-8-2.0 — Lab Sample ID: 620-22803-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	7.3		5.5	0.57	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	4.1	J B	8.8	1.4	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	29	p	5.5	0.54	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	15		5.5	0.79	ug/Kg	1	☼	8081B	Total/NA
Antimony	1.1	J	7.3	0.55	mg/Kg	2	☼	6010D	Total/NA
Arsenic	15		2.2	0.28	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.25	J	0.73	0.036	mg/Kg	2	☼	6010D	Total/NA
Barium	20	B	1.5	0.17	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.39	J	0.73	0.038	mg/Kg	2	☼	6010D	Total/NA
Chromium	33		1.5	0.19	mg/Kg	2	☼	6010D	Total/NA
Copper	12		1.5	0.35	mg/Kg	2	☼	6010D	Total/NA
Lead	51		2.2	0.31	mg/Kg	2	☼	6010D	Total/NA
Nickel	46		1.5	0.17	mg/Kg	2	☼	6010D	Total/NA
Zinc	35		4.4	1.1	mg/Kg	2	☼	6010D	Total/NA
Mercury	6.9	F2	0.83	0.14	mg/Kg	20	☼	7471B	Total/NA

Client Sample ID: SB-8-4.0 — Lab Sample ID: 620-22803-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-Chlordane	1.8	J p	5.5	0.54	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	1.2	J	5.5	0.80	ug/Kg	1	☼	8081B	Total/NA
Antimony	0.60	J	7.8	0.59	mg/Kg	2	☼	6010D	Total/NA
Arsenic	3.2		2.4	0.30	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.15	J	0.78	0.039	mg/Kg	2	☼	6010D	Total/NA
Barium	14	B	1.6	0.19	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.22	J	0.78	0.041	mg/Kg	2	☼	6010D	Total/NA
Chromium	26		1.6	0.21	mg/Kg	2	☼	6010D	Total/NA
Copper	10		1.6	0.38	mg/Kg	2	☼	6010D	Total/NA
Lead	4.4		2.4	0.33	mg/Kg	2	☼	6010D	Total/NA
Nickel	31		1.6	0.18	mg/Kg	2	☼	6010D	Total/NA
Zinc	20		4.7	1.2	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.33		0.053	0.0089	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-9-2.0 — Lab Sample ID: 620-22803-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	33	p	5.6	0.58	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	11	B	9.0	1.5	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	360	p	56	5.5	ug/Kg	10	☼	8081B	Total/NA
trans-Chlordane	220		56	8.1	ug/Kg	10	☼	8081B	Total/NA
Antimony	0.98	J	8.1	0.61	mg/Kg	2	☼	6010D	Total/NA
Arsenic	5.8		2.4	0.31	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.13	J	0.81	0.041	mg/Kg	2	☼	6010D	Total/NA
Barium	15	B	1.6	0.19	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.40	J	0.81	0.042	mg/Kg	2	☼	6010D	Total/NA
Chromium	27		1.6	0.22	mg/Kg	2	☼	6010D	Total/NA
Copper	12		1.6	0.39	mg/Kg	2	☼	6010D	Total/NA
Lead	26		2.4	0.34	mg/Kg	2	☼	6010D	Total/NA
Nickel	27		1.6	0.19	mg/Kg	2	☼	6010D	Total/NA
Zinc	33		4.9	1.3	mg/Kg	2	☼	6010D	Total/NA
Mercury	5.2		0.26	0.044	mg/Kg	5	☼	7471B	Total/NA

Client Sample ID: SB-9-4.0 — Lab Sample ID: 620-22803-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	6.3		5.7	0.60	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	2.7	J B	9.2	1.5	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	34	p	5.7	0.56	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	16		5.7	0.83	ug/Kg	1	☼	8081B	Total/NA
Antimony	0.59	J	4.7	0.35	mg/Kg	2	☼	6010D	Total/NA
Arsenic	3.8		1.4	0.18	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.12	J	0.47	0.024	mg/Kg	2	☼	6010D	Total/NA
Barium	9.3	B	0.94	0.11	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.27	J	0.47	0.024	mg/Kg	2	☼	6010D	Total/NA
Chromium	17		0.94	0.13	mg/Kg	2	☼	6010D	Total/NA
Copper	8.7		0.94	0.23	mg/Kg	2	☼	6010D	Total/NA
Lead	6.0		1.4	0.20	mg/Kg	2	☼	6010D	Total/NA
Nickel	23		0.94	0.11	mg/Kg	2	☼	6010D	Total/NA
Zinc	25		2.8	0.73	mg/Kg	2	☼	6010D	Total/NA
Mercury	1.5		0.26	0.043	mg/Kg	5	☼	7471B	Total/NA

Client Sample ID: SB-10-2.0 — Lab Sample ID: 620-22803-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	19		5.3	0.55	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	4.1	J B	8.5	1.4	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	3.8	J p	5.3	0.52	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	3.7	J	5.3	0.76	ug/Kg	1	☼	8081B	Total/NA
Antimony	0.96	J	7.2	0.54	mg/Kg	2	☼	6010D	Total/NA
Arsenic	3.2		2.1	0.27	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.20	J	0.72	0.036	mg/Kg	2	☼	6010D	Total/NA
Barium	26	B	1.4	0.17	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.37	J	0.72	0.037	mg/Kg	2	☼	6010D	Total/NA
Chromium	21		1.4	0.19	mg/Kg	2	☼	6010D	Total/NA
Copper	7.7		1.4	0.34	mg/Kg	2	☼	6010D	Total/NA
Lead	7.3		2.1	0.30	mg/Kg	2	☼	6010D	Total/NA
Nickel	24		1.4	0.16	mg/Kg	2	☼	6010D	Total/NA
Zinc	37		4.3	1.1	mg/Kg	2	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-10-2.0 (Continued) — Lab Sample ID: 620-22803-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.026	J	0.054	0.0091	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-10-4.0 — Lab Sample ID: 620-22803-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	8.6		5.6	0.58	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	1.5	J p	8.9	1.5	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	22	p	5.6	0.54	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	21		5.6	0.80	ug/Kg	1	☼	8081B	Total/NA
Antimony	0.78	J	8.7	0.66	mg/Kg	2	☼	6010D	Total/NA
Arsenic	5.9		2.6	0.33	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.18	J	0.87	0.044	mg/Kg	2	☼	6010D	Total/NA
Barium	12	B	1.7	0.21	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.32	J	0.87	0.045	mg/Kg	2	☼	6010D	Total/NA
Chromium	18		1.7	0.23	mg/Kg	2	☼	6010D	Total/NA
Copper	8.2		1.7	0.42	mg/Kg	2	☼	6010D	Total/NA
Lead	8.1		2.6	0.37	mg/Kg	2	☼	6010D	Total/NA
Nickel	23		1.7	0.20	mg/Kg	2	☼	6010D	Total/NA
Zinc	37		5.2	1.3	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.23		0.057	0.0095	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-1-1.0 — Lab Sample ID: 620-22803-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	11		5.2	0.54	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	3.5	J B p	8.3	1.4	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	55	p	5.2	0.51	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	36		5.2	0.74	ug/Kg	1	☼	8081B	Total/NA
Antimony	0.57	J	6.1	0.46	mg/Kg	2	☼	6010D	Total/NA
Arsenic	3.6		1.8	0.23	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.070	J	0.61	0.031	mg/Kg	2	☼	6010D	Total/NA
Barium	8.7	B	1.2	0.14	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.22	J	0.61	0.032	mg/Kg	2	☼	6010D	Total/NA
Chromium	11		1.2	0.16	mg/Kg	2	☼	6010D	Total/NA
Copper	14		1.2	0.29	mg/Kg	2	☼	6010D	Total/NA
Lead	4.9		1.8	0.26	mg/Kg	2	☼	6010D	Total/NA
Nickel	13		1.2	0.14	mg/Kg	2	☼	6010D	Total/NA
Zinc	26		3.7	0.95	mg/Kg	2	☼	6010D	Total/NA

Client Sample ID: SD-5 — Lab Sample ID: 620-22803-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.57	J	7.4	0.55	mg/Kg	2	☼	6010D	Total/NA
Arsenic	2.0	J	2.2	0.28	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.13	J	0.74	0.037	mg/Kg	2	☼	6010D	Total/NA
Barium	24	B	1.5	0.17	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.32	J	0.74	0.038	mg/Kg	2	☼	6010D	Total/NA
Chromium	13		1.5	0.20	mg/Kg	2	☼	6010D	Total/NA
Copper	14		1.5	0.35	mg/Kg	2	☼	6010D	Total/NA
Lead	6.3		2.2	0.31	mg/Kg	2	☼	6010D	Total/NA
Nickel	18		1.5	0.17	mg/Kg	2	☼	6010D	Total/NA
Zinc	35		4.4	1.1	mg/Kg	2	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SD-5 (Continued) — Lab Sample ID: 620-22803-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.025	J	0.058	0.0096	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-3-2.0 — Lab Sample ID: 620-22803-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	27	J B	110	21	ug/Kg	1	☼	8260D	Total/NA
Benzo[a]anthracene	11	J	19	7.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[a]pyrene	18	J	19	7.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[b]fluoranthene	14	J	19	7.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[g,h,i]perylene	13	J	19	7.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[k]fluoranthene	14	J	19	7.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Chrysene	14	J	19	7.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Fluoranthene	17	J	19	7.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Indeno[1,2,3-cd]pyrene	12	J	19	7.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Pyrene	18	J	19	7.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Antimony	0.71	J	7.9	0.59	mg/Kg	2	☼	6010D	Total/NA
Arsenic	3.6		2.4	0.30	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.27	J	0.79	0.040	mg/Kg	2	☼	6010D	Total/NA
Barium	9.5	B	1.6	0.19	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.36	J	0.79	0.041	mg/Kg	2	☼	6010D	Total/NA
Chromium	22		1.6	0.21	mg/Kg	2	☼	6010D	Total/NA
Copper	6.5		1.6	0.38	mg/Kg	2	☼	6010D	Total/NA
Lead	6.4		2.4	0.33	mg/Kg	2	☼	6010D	Total/NA
Nickel	21		1.6	0.18	mg/Kg	2	☼	6010D	Total/NA
Zinc	25		4.7	1.2	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.029	J	0.052	0.0087	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-3-2.0-FD — Lab Sample ID: 620-22803-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	28	J B	120	23	ug/Kg	1	☼	8260D	Total/NA
Benzo[a]anthracene	8.5	J	19	8.0	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[a]pyrene	14	J	19	8.0	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[b]fluoranthene	11	J	19	8.0	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[g,h,i]perylene	11	J	19	8.0	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[k]fluoranthene	11	J	19	8.0	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Chrysene	11	J	19	8.0	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Fluoranthene	13	J	19	8.0	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Indeno[1,2,3-cd]pyrene	11	J	19	8.0	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Pyrene	15	J	19	8.0	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Antimony	0.91	J	11	0.80	mg/Kg	2	☼	6010D	Total/NA
Arsenic	3.5		3.2	0.40	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.25	J	1.1	0.053	mg/Kg	2	☼	6010D	Total/NA
Barium	9.3	B	2.1	0.25	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.32	J	1.1	0.055	mg/Kg	2	☼	6010D	Total/NA
Chromium	20		2.1	0.28	mg/Kg	2	☼	6010D	Total/NA
Copper	6.5		2.1	0.51	mg/Kg	2	☼	6010D	Total/NA
Lead	6.5		3.2	0.45	mg/Kg	2	☼	6010D	Total/NA
Nickel	22		2.1	0.24	mg/Kg	2	☼	6010D	Total/NA
Zinc	24		6.4	1.6	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.024	J	0.046	0.0076	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-3-4.0 — Lab Sample ID: 620-22803-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	27	J B	140	26	ug/Kg	1	☼	8260D	Total/NA
Antimony	0.93	J	9.4	0.70	mg/Kg	2	☼	6010D	Total/NA
Arsenic	3.3		2.8	0.36	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.12	J	0.94	0.047	mg/Kg	2	☼	6010D	Total/NA
Barium	7.0	B	1.9	0.22	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.30	J	0.94	0.049	mg/Kg	2	☼	6010D	Total/NA
Chromium	13		1.9	0.25	mg/Kg	2	☼	6010D	Total/NA
Copper	8.0		1.9	0.45	mg/Kg	2	☼	6010D	Total/NA
Lead	4.9		2.8	0.40	mg/Kg	2	☼	6010D	Total/NA
Nickel	15		1.9	0.22	mg/Kg	2	☼	6010D	Total/NA
Zinc	16		5.6	1.5	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.015	J	0.053	0.0089	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-4-2.0 — Lab Sample ID: 620-22803-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	12	J	19	7.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Anthracene	12	J	19	7.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[a]anthracene	37		19	7.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[a]pyrene	43		19	7.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[b]fluoranthene	57		19	7.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[g,h,i]perylene	31		19	7.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Benzo[k]fluoranthene	40		19	7.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Chrysene	43		19	7.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Dibenz(a,h)anthracene	14	J	19	7.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Fluoranthene	60		19	7.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Indeno[1,2,3-cd]pyrene	31		19	7.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Phenanthrene	12	J	19	7.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Pyrene	59		19	7.8	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
cis-Chlordane	1.2	J p	5.8	0.57	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	1.2	J	5.8	0.84	ug/Kg	1	☼	8081B	Total/NA
Arsenic	3.7		2.9	0.37	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.16	J	0.97	0.049	mg/Kg	2	☼	6010D	Total/NA
Barium	15	B	1.9	0.23	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.30	J	0.97	0.051	mg/Kg	2	☼	6010D	Total/NA
Chromium	16		1.9	0.26	mg/Kg	2	☼	6010D	Total/NA
Copper	9.6		1.9	0.47	mg/Kg	2	☼	6010D	Total/NA
Lead	12		2.9	0.41	mg/Kg	2	☼	6010D	Total/NA
Nickel	26		1.9	0.22	mg/Kg	2	☼	6010D	Total/NA
Zinc	30		5.8	1.5	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.051		0.047	0.0078	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-4-4.0 — Lab Sample ID: 620-22803-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	9.4	J	18	7.4	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Antimony	1.1	J	7.9	0.59	mg/Kg	2	☼	6010D	Total/NA
Arsenic	3.9		2.4	0.30	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.12	J	0.79	0.039	mg/Kg	2	☼	6010D	Total/NA
Barium	12	B	1.6	0.19	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.27	J	0.79	0.041	mg/Kg	2	☼	6010D	Total/NA
Chromium	23		1.6	0.21	mg/Kg	2	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-4-4.0 (Continued) — Lab Sample ID: 620-22803-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	10		1.6	0.38	mg/Kg	2	☼	6010D	Total/NA
Lead	4.5		2.4	0.33	mg/Kg	2	☼	6010D	Total/NA
Nickel	33		1.6	0.18	mg/Kg	2	☼	6010D	Total/NA
Zinc	23		4.7	1.2	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.031	J	0.053	0.0088	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-2-2.0 — Lab Sample ID: 620-22803-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.81	J	9.3	0.70	mg/Kg	2	☼	6010D	Total/NA
Arsenic	3.7		2.8	0.35	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.11	J	0.93	0.047	mg/Kg	2	☼	6010D	Total/NA
Barium	9.5	B	1.9	0.22	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.24	J	0.93	0.048	mg/Kg	2	☼	6010D	Total/NA
Chromium	18		1.9	0.25	mg/Kg	2	☼	6010D	Total/NA
Copper	9.0		1.9	0.45	mg/Kg	2	☼	6010D	Total/NA
Lead	4.5		2.8	0.40	mg/Kg	2	☼	6010D	Total/NA
Nickel	26		1.9	0.21	mg/Kg	2	☼	6010D	Total/NA
Zinc	20		5.6	1.4	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.0087	J	0.051	0.0085	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-2-4.0 — Lab Sample ID: 620-22803-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromomethane	33	J	120	30	ug/Kg	1	☼	8260D	Total/NA
Benzo[a]pyrene	8.6	J	18	7.3	ug/Kg	1	☼	8270D_LL_PAH	Total/NA
Antimony	0.89	J	7.9	0.60	mg/Kg	2	☼	6010D	Total/NA
Arsenic	3.5		2.4	0.30	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.096	J	0.79	0.040	mg/Kg	2	☼	6010D	Total/NA
Barium	10	B	1.6	0.19	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.24	J	0.79	0.041	mg/Kg	2	☼	6010D	Total/NA
Chromium	13		1.6	0.21	mg/Kg	2	☼	6010D	Total/NA
Copper	11		1.6	0.38	mg/Kg	2	☼	6010D	Total/NA
Lead	5.3		2.4	0.34	mg/Kg	2	☼	6010D	Total/NA
Nickel	21		1.6	0.18	mg/Kg	2	☼	6010D	Total/NA
Zinc	23		4.8	1.2	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.015	J	0.048	0.0081	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-6-2.0 — Lab Sample ID: 620-22803-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	14		5.7	0.59	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	3.6	J B	9.1	1.5	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	17	p	5.7	0.56	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	9.0		5.7	0.82	ug/Kg	1	☼	8081B	Total/NA
Antimony	0.64	J F1 F2	8.1	0.61	mg/Kg	2	☼	6010D	Total/NA
Arsenic	9.4	F2	2.4	0.31	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.15	J F2	0.81	0.040	mg/Kg	2	☼	6010D	Total/NA
Barium	18	F1 F2	1.6	0.19	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.38	J F2	0.81	0.042	mg/Kg	2	☼	6010D	Total/NA
Chromium	22	F1 F2	1.6	0.21	mg/Kg	2	☼	6010D	Total/NA
Copper	6.9	F2	1.6	0.39	mg/Kg	2	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-6-2.0 (Continued) — Lab Sample ID: 620-22803-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	14	F1 F2	2.4	0.34	mg/Kg	2	☼	6010D	Total/NA
Nickel	27	F1 F2	1.6	0.19	mg/Kg	2	☼	6010D	Total/NA
Zinc	33	F1 F2	4.8	1.2	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.51		0.046	0.0076	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-6-4.0 — Lab Sample ID: 620-22803-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	2.3	J	5.2	0.54	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	3.6	J p	5.2	0.51	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	2.1	J	5.2	0.74	ug/Kg	1	☼	8081B	Total/NA
Arsenic	6.0		2.6	0.32	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.11	J	0.85	0.043	mg/Kg	2	☼	6010D	Total/NA
Barium	11		1.7	0.20	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.28	J	0.85	0.044	mg/Kg	2	☼	6010D	Total/NA
Chromium	18		1.7	0.23	mg/Kg	2	☼	6010D	Total/NA
Copper	7.6		1.7	0.41	mg/Kg	2	☼	6010D	Total/NA
Lead	4.0		2.6	0.36	mg/Kg	2	☼	6010D	Total/NA
Nickel	32		1.7	0.20	mg/Kg	2	☼	6010D	Total/NA
Zinc	23		5.1	1.3	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.052		0.045	0.0075	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-7-2.0 — Lab Sample ID: 620-22803-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	1.6	J	5.6	0.58	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	5.5	J p	5.6	0.55	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	3.5	J	5.6	0.81	ug/Kg	1	☼	8081B	Total/NA
Antimony	0.87	J	8.8	0.66	mg/Kg	2	☼	6010D	Total/NA
Arsenic	5.1		2.6	0.34	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.15	J	0.88	0.044	mg/Kg	2	☼	6010D	Total/NA
Barium	13		1.8	0.21	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.29	J	0.88	0.046	mg/Kg	2	☼	6010D	Total/NA
Chromium	19		1.8	0.23	mg/Kg	2	☼	6010D	Total/NA
Copper	5.3		1.8	0.42	mg/Kg	2	☼	6010D	Total/NA
Lead	7.0		2.6	0.37	mg/Kg	2	☼	6010D	Total/NA
Nickel	22		1.8	0.20	mg/Kg	2	☼	6010D	Total/NA
Zinc	25		5.3	1.4	mg/Kg	2	☼	6010D	Total/NA
Mercury	1.5		0.20	0.033	mg/Kg	5	☼	7471B	Total/NA

Client Sample ID: SB-7-4.0 — Lab Sample ID: 620-22803-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.61	J	7.3	0.55	mg/Kg	2	☼	6010D	Total/NA
Arsenic	4.9		2.2	0.28	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.091	J	0.73	0.036	mg/Kg	2	☼	6010D	Total/NA
Barium	9.8		1.5	0.17	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.26	J	0.73	0.038	mg/Kg	2	☼	6010D	Total/NA
Chromium	17		1.5	0.19	mg/Kg	2	☼	6010D	Total/NA
Copper	7.2		1.5	0.35	mg/Kg	2	☼	6010D	Total/NA
Lead	3.3		2.2	0.31	mg/Kg	2	☼	6010D	Total/NA
Nickel	32		1.5	0.17	mg/Kg	2	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-7-4.0 (Continued) — Lab Sample ID: 620-22803-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	19		4.4	1.1	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.17		0.048	0.0080	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-5-2.0 — Lab Sample ID: 620-22803-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aldrin	1.0	J p	6.0	0.56	ug/Kg	1	☼	8081B	Total/NA
Heptachlor epoxide	6.1		6.0	0.62	ug/Kg	1	☼	8081B	Total/NA
Endosulfan II	1.6	J p	9.6	0.62	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	3.2	J p	9.6	1.6	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	13	p	6.0	0.59	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	7.4		6.0	0.86	ug/Kg	1	☼	8081B	Total/NA
Antimony	0.83	J	8.6	0.65	mg/Kg	2	☼	6010D	Total/NA
Arsenic	8.1		2.6	0.33	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.17	J	0.86	0.043	mg/Kg	2	☼	6010D	Total/NA
Barium	13		1.7	0.20	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.32	J	0.86	0.045	mg/Kg	2	☼	6010D	Total/NA
Chromium	20		1.7	0.23	mg/Kg	2	☼	6010D	Total/NA
Copper	9.0		1.7	0.41	mg/Kg	2	☼	6010D	Total/NA
Lead	10		2.6	0.37	mg/Kg	2	☼	6010D	Total/NA
Nickel	30		1.7	0.20	mg/Kg	2	☼	6010D	Total/NA
Zinc	28		5.2	1.3	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.28		0.046	0.0077	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-5-4.0 — Lab Sample ID: 620-22803-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor epoxide	1.4	J	5.7	0.59	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	3.4	J p	5.7	0.56	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	2.5	J	5.7	0.82	ug/Kg	1	☼	8081B	Total/NA
Antimony	0.84	J	5.6	0.42	mg/Kg	2	☼	6010D	Total/NA
Arsenic	6.3		1.7	0.21	mg/Kg	2	☼	6010D	Total/NA
Beryllium	0.15	J	0.56	0.028	mg/Kg	2	☼	6010D	Total/NA
Barium	9.4		1.1	0.13	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.27	J	0.56	0.029	mg/Kg	2	☼	6010D	Total/NA
Chromium	16		1.1	0.15	mg/Kg	2	☼	6010D	Total/NA
Copper	6.5		1.1	0.27	mg/Kg	2	☼	6010D	Total/NA
Lead	7.8		1.7	0.24	mg/Kg	2	☼	6010D	Total/NA
Nickel	22		1.1	0.13	mg/Kg	2	☼	6010D	Total/NA
Zinc	23		3.3	0.86	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.20		0.039	0.0064	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-5-4.0-FD — Lab Sample ID: 620-22803-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Heptachlor	0.85	J p	5.4	0.66	ug/Kg	1	☼	8081B	Total/NA
Heptachlor epoxide	4.3	J	5.4	0.56	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	3.1	J	8.6	1.4	ug/Kg	1	☼	8081B	Total/NA
cis-Chlordane	10	p	5.4	0.53	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	6.0		5.4	0.77	ug/Kg	1	☼	8081B	Total/NA
Antimony	0.81	J	8.6	0.65	mg/Kg	2	☼	6010D	Total/NA
Arsenic	13		2.6	0.33	mg/Kg	2	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-5-4.0-FD (Continued) — Lab Sample ID: 620-22803-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.17	J	0.86	0.043	mg/Kg	2	☼	6010D	Total/NA
Barium	14		1.7	0.20	mg/Kg	2	☼	6010D	Total/NA
Cadmium	0.34	J	0.86	0.045	mg/Kg	2	☼	6010D	Total/NA
Chromium	18		1.7	0.23	mg/Kg	2	☼	6010D	Total/NA
Copper	9.7		1.7	0.41	mg/Kg	2	☼	6010D	Total/NA
Lead	13		2.6	0.36	mg/Kg	2	☼	6010D	Total/NA
Nickel	29		1.7	0.20	mg/Kg	2	☼	6010D	Total/NA
Zinc	29		5.2	1.3	mg/Kg	2	☼	6010D	Total/NA
Mercury	0.44		0.050	0.0084	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TB-1242024 — Lab Sample ID: 620-22803-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	28	J B	100	19	ug/Kg	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-11-2.0

Date Collected: 12/03/24 09:11
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-1

Matrix: Solid
Percent Solids: 82.3

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.4	0.52	ug/Kg	☼	12/12/24 16:01	12/17/24 14:53	1
beta-BHC	ND		5.4	0.70	ug/Kg	☼	12/12/24 16:01	12/17/24 14:53	1
delta-BHC	ND		5.4	0.90	ug/Kg	☼	12/12/24 16:01	12/17/24 14:53	1
gamma-BHC (Lindane)	ND		2.2	0.49	ug/Kg	☼	12/12/24 16:01	12/17/24 14:53	1
Heptachlor	ND		5.4	0.66	ug/Kg	☼	12/12/24 16:01	12/17/24 14:53	1
Aldrin	ND		5.4	0.51	ug/Kg	☼	12/12/24 16:01	12/17/24 14:53	1
Heptachlor epoxide	**7.1**		5.4	0.56	ug/Kg	☼	12/12/24 16:01	12/17/24 14:53	1
Endosulfan I	ND		5.4	0.56	ug/Kg	☼	12/12/24 16:01	12/17/24 14:53	1
Dieldrin	ND		5.4	0.60	ug/Kg	☼	12/12/24 16:01	12/17/24 14:53	1
4,4'-DDE	ND		8.7	0.72	ug/Kg	☼	12/12/24 16:01	12/17/24 14:53	1
Endrin	ND		8.7	0.77	ug/Kg	☼	12/12/24 16:01	12/17/24 14:53	1
Endosulfan II	ND		8.7	0.56	ug/Kg	☼	12/12/24 16:01	12/17/24 14:53	1
4,4'-DDD	ND		8.7	1.2	ug/Kg	☼	12/12/24 16:01	12/17/24 14:53	1
Endosulfan sulfate	ND		8.7	0.57	ug/Kg	☼	12/12/24 16:01	12/17/24 14:53	1
4,4'-DDT	**2.5**	**J B**	8.7	1.4	ug/Kg	☼	12/12/24 16:01	12/17/24 14:53	1
Methoxychlor	ND		8.7	1.6	ug/Kg	☼	12/12/24 16:01	12/17/24 14:53	1
Endrin ketone	ND		8.7	0.61	ug/Kg	☼	12/12/24 16:01	12/17/24 14:53	1
Endrin aldehyde	ND		8.7	1.0	ug/Kg	☼	12/12/24 16:01	12/17/24 14:53	1
cis-Chlordane	**15**	**p**	5.4	0.53	ug/Kg	☼	12/12/24 16:01	12/17/24 14:53	1
trans-Chlordane	**13**		5.4	0.78	ug/Kg	☼	12/12/24 16:01	12/17/24 14:53	1
Toxaphene	ND		110	76	ug/Kg	☼	12/12/24 16:01	12/17/24 14:53	1
Alachlor	ND		5.4	1.6	ug/Kg	☼	12/12/24 16:01	12/17/24 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*30 - 150*	*12/12/24 16:01*	*12/17/24 14:53*	*1*
Tetrachloro-m-xylene	*76*		*30 - 150*	*12/12/24 16:01*	*12/17/24 14:53*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*30 - 150*	*12/12/24 16:01*	*12/17/24 14:53*	*1*
DCB Decachlorobiphenyl (Surr)	*53*		*30 - 150*	*12/12/24 16:01*	*12/17/24 14:53*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.3**	**J**	8.2	0.62	mg/Kg	☼	12/11/24 07:59	12/12/24 16:12	2
Arsenic	**4.5**		2.5	0.31	mg/Kg	☼	12/11/24 07:59	12/12/24 16:12	2
Beryllium	**0.28**	**J**	0.82	0.041	mg/Kg	☼	12/11/24 07:59	12/12/24 16:12	2
Barium	**51**	**B**	1.6	0.19	mg/Kg	☼	12/11/24 07:59	12/12/24 16:12	2
Cadmium	**0.46**	**J**	0.82	0.043	mg/Kg	☼	12/11/24 07:59	12/12/24 16:12	2
Chromium	**23**		1.6	0.22	mg/Kg	☼	12/11/24 07:59	12/12/24 16:12	2
Copper	**12**		1.6	0.39	mg/Kg	☼	12/11/24 07:59	12/12/24 16:12	2
Lead	**18**		2.5	0.35	mg/Kg	☼	12/11/24 07:59	12/12/24 16:12	2
Nickel	**22**		1.6	0.19	mg/Kg	☼	12/11/24 07:59	12/12/24 16:12	2
Selenium	ND		2.5	0.47	mg/Kg	☼	12/11/24 07:59	12/12/24 16:12	2
Silver	ND		2.5	0.27	mg/Kg	☼	12/11/24 07:59	12/12/24 16:12	2
Thallium	ND		4.9	1.8	mg/Kg	☼	12/11/24 07:59	12/12/24 16:12	2
Zinc	**46**		4.9	1.3	mg/Kg	☼	12/11/24 07:59	12/12/24 16:12	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.19**		0.058	0.0096	mg/Kg	☼	12/11/24 17:17	12/11/24 16:19	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-11-4.0

Date Collected: 12/03/24 09:51
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-2

Matrix: Solid
Percent Solids: 82.3

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.9	0.56	ug/Kg	☼	12/12/24 16:01	12/17/24 15:09	1
beta-BHC	ND		5.9	0.76	ug/Kg	☼	12/12/24 16:01	12/17/24 15:09	1
delta-BHC	ND		5.9	0.97	ug/Kg	☼	12/12/24 16:01	12/17/24 15:09	1
gamma-BHC (Lindane)	ND		2.3	0.53	ug/Kg	☼	12/12/24 16:01	12/17/24 15:09	1
Heptachlor	ND		5.9	0.71	ug/Kg	☼	12/12/24 16:01	12/17/24 15:09	1
Aldrin	ND		5.9	0.55	ug/Kg	☼	12/12/24 16:01	12/17/24 15:09	1
Heptachlor epoxide	**0.73**	**J**	5.9	0.61	ug/Kg	☼	12/12/24 16:01	12/17/24 15:09	1
Endosulfan I	ND		5.9	0.61	ug/Kg	☼	12/12/24 16:01	12/17/24 15:09	1
Dieldrin	ND		5.9	0.64	ug/Kg	☼	12/12/24 16:01	12/17/24 15:09	1
4,4'-DDE	ND		9.4	0.77	ug/Kg	☼	12/12/24 16:01	12/17/24 15:09	1
Endrin	ND		9.4	0.83	ug/Kg	☼	12/12/24 16:01	12/17/24 15:09	1
Endosulfan II	ND		9.4	0.61	ug/Kg	☼	12/12/24 16:01	12/17/24 15:09	1
4,4'-DDD	ND		9.4	1.3	ug/Kg	☼	12/12/24 16:01	12/17/24 15:09	1
Endosulfan sulfate	ND		9.4	0.62	ug/Kg	☼	12/12/24 16:01	12/17/24 15:09	1
4,4'-DDT	ND		9.4	1.5	ug/Kg	☼	12/12/24 16:01	12/17/24 15:09	1
Methoxychlor	ND		9.4	1.8	ug/Kg	☼	12/12/24 16:01	12/17/24 15:09	1
Endrin ketone	ND		9.4	0.66	ug/Kg	☼	12/12/24 16:01	12/17/24 15:09	1
Endrin aldehyde	ND		9.4	1.1	ug/Kg	☼	12/12/24 16:01	12/17/24 15:09	1
cis-Chlordane	**4.3**	**J p**	5.9	0.57	ug/Kg	☼	12/12/24 16:01	12/17/24 15:09	1
trans-Chlordane	**3.3**	**J**	5.9	0.84	ug/Kg	☼	12/12/24 16:01	12/17/24 15:09	1
Toxaphene	ND		120	83	ug/Kg	☼	12/12/24 16:01	12/17/24 15:09	1
Alachlor	ND		5.9	1.7	ug/Kg	☼	12/12/24 16:01	12/17/24 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*30 - 150*	*12/12/24 16:01*	*12/17/24 15:09*	*1*
Tetrachloro-m-xylene	*86*		*30 - 150*	*12/12/24 16:01*	*12/17/24 15:09*	*1*
DCB Decachlorobiphenyl (Surr)	*73*		*30 - 150*	*12/12/24 16:01*	*12/17/24 15:09*	*1*
DCB Decachlorobiphenyl (Surr)	*54*		*30 - 150*	*12/12/24 16:01*	*12/17/24 15:09*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.7**	**J**	5.9	0.45	mg/Kg	☼	12/11/24 07:59	12/12/24 16:18	2
Arsenic	**6.3**		1.8	0.23	mg/Kg	☼	12/11/24 07:59	12/12/24 16:18	2
Beryllium	**0.64**		0.59	0.030	mg/Kg	☼	12/11/24 07:59	12/12/24 16:18	2
Barium	**120**	**B**	1.2	0.14	mg/Kg	☼	12/11/24 07:59	12/12/24 16:18	2
Cadmium	**0.68**		0.59	0.031	mg/Kg	☼	12/11/24 07:59	12/12/24 16:18	2
Chromium	**45**		1.2	0.16	mg/Kg	☼	12/11/24 07:59	12/12/24 16:18	2
Copper	**31**		1.2	0.29	mg/Kg	☼	12/11/24 07:59	12/12/24 16:18	2
Lead	**15**		1.8	0.25	mg/Kg	☼	12/11/24 07:59	12/12/24 16:18	2
Nickel	**56**		1.2	0.14	mg/Kg	☼	12/11/24 07:59	12/12/24 16:18	2
Selenium	ND		1.8	0.34	mg/Kg	☼	12/11/24 07:59	12/12/24 16:18	2
Silver	ND		1.8	0.19	mg/Kg	☼	12/11/24 07:59	12/12/24 16:18	2
Thallium	ND		3.6	1.3	mg/Kg	☼	12/11/24 07:59	12/12/24 16:18	2
Zinc	**74**		3.6	0.92	mg/Kg	☼	12/11/24 07:59	12/12/24 16:18	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.094**		0.065	0.011	mg/Kg	☼	12/11/24 17:17	12/11/24 16:21	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-12-2.0
Date Collected: 12/03/24 10:18
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-3
Matrix: Solid
Percent Solids: 86.2

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.6	0.54	ug/Kg	☼	12/12/24 16:01	12/17/24 15:25	1
beta-BHC	ND		5.6	0.73	ug/Kg	☼	12/12/24 16:01	12/17/24 15:25	1
delta-BHC	ND		5.6	0.93	ug/Kg	☼	12/12/24 16:01	12/17/24 15:25	1
gamma-BHC (Lindane)	ND		2.2	0.50	ug/Kg	☼	12/12/24 16:01	12/17/24 15:25	1
Heptachlor	ND		5.6	0.68	ug/Kg	☼	12/12/24 16:01	12/17/24 15:25	1
Aldrin	ND		5.6	0.53	ug/Kg	☼	12/12/24 16:01	12/17/24 15:25	1
Heptachlor epoxide	**4.4**	**J**	5.6	0.58	ug/Kg	☼	12/12/24 16:01	12/17/24 15:25	1
Endosulfan I	ND		5.6	0.58	ug/Kg	☼	12/12/24 16:01	12/17/24 15:25	1
Dieldrin	ND		5.6	0.62	ug/Kg	☼	12/12/24 16:01	12/17/24 15:25	1
4,4'-DDE	ND		9.0	0.74	ug/Kg	☼	12/12/24 16:01	12/17/24 15:25	1
Endrin	ND		9.0	0.80	ug/Kg	☼	12/12/24 16:01	12/17/24 15:25	1
Endosulfan II	ND		9.0	0.58	ug/Kg	☼	12/12/24 16:01	12/17/24 15:25	1
4,4'-DDD	ND		9.0	1.3	ug/Kg	☼	12/12/24 16:01	12/17/24 15:25	1
Endosulfan sulfate	ND		9.0	0.59	ug/Kg	☼	12/12/24 16:01	12/17/24 15:25	1
4,4'-DDT	**3.2**	**J B**	9.0	1.5	ug/Kg	☼	12/12/24 16:01	12/17/24 15:25	1
Methoxychlor	ND		9.0	1.7	ug/Kg	☼	12/12/24 16:01	12/17/24 15:25	1
Endrin ketone	ND		9.0	0.63	ug/Kg	☼	12/12/24 16:01	12/17/24 15:25	1
Endrin aldehyde	ND		9.0	1.0	ug/Kg	☼	12/12/24 16:01	12/17/24 15:25	1
cis-Chlordane	**8.3**	**p**	5.6	0.55	ug/Kg	☼	12/12/24 16:01	12/17/24 15:25	1
trans-Chlordane	**5.2**	**J**	5.6	0.81	ug/Kg	☼	12/12/24 16:01	12/17/24 15:25	1
Toxaphene	ND		110	79	ug/Kg	☼	12/12/24 16:01	12/17/24 15:25	1
Alachlor	ND		5.6	1.6	ug/Kg	☼	12/12/24 16:01	12/17/24 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*76*		*30 - 150*	*12/12/24 16:01*	*12/17/24 15:25*	*1*
Tetrachloro-m-xylene	*80*		*30 - 150*	*12/12/24 16:01*	*12/17/24 15:25*	*1*
DCB Decachlorobiphenyl (Surr)	*68*		*30 - 150*	*12/12/24 16:01*	*12/17/24 15:25*	*1*
DCB Decachlorobiphenyl (Surr)	*53*		*30 - 150*	*12/12/24 16:01*	*12/17/24 15:25*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.94**	**J**	6.1	0.46	mg/Kg	☼	12/11/24 07:59	12/12/24 16:24	2
Arsenic	**42**		1.8	0.23	mg/Kg	☼	12/11/24 07:59	12/12/24 16:24	2
Beryllium	**0.19**	**J**	0.61	0.031	mg/Kg	☼	12/11/24 07:59	12/12/24 16:24	2
Barium	**21**	**B**	1.2	0.14	mg/Kg	☼	12/11/24 07:59	12/12/24 16:24	2
Cadmium	**0.36**	**J**	0.61	0.032	mg/Kg	☼	12/11/24 07:59	12/12/24 16:24	2
Chromium	**17**		1.2	0.16	mg/Kg	☼	12/11/24 07:59	12/12/24 16:24	2
Copper	**9.5**		1.2	0.29	mg/Kg	☼	12/11/24 07:59	12/12/24 16:24	2
Lead	**39**		1.8	0.26	mg/Kg	☼	12/11/24 07:59	12/12/24 16:24	2
Nickel	**21**		1.2	0.14	mg/Kg	☼	12/11/24 07:59	12/12/24 16:24	2
Selenium	ND		1.8	0.35	mg/Kg	☼	12/11/24 07:59	12/12/24 16:24	2
Silver	ND		1.8	0.20	mg/Kg	☼	12/11/24 07:59	12/12/24 16:24	2
Thallium	ND		3.7	1.4	mg/Kg	☼	12/11/24 07:59	12/12/24 16:24	2
Zinc	**37**		3.7	0.95	mg/Kg	☼	12/11/24 07:59	12/12/24 16:24	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.31**		0.060	0.010	mg/Kg	☼	12/11/24 17:17	12/11/24 16:23	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-12-4.0
Date Collected: 12/03/24 10:45
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-4
Matrix: Solid
Percent Solids: 84.6

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.8	0.56	ug/Kg	☼	12/12/24 16:01	12/17/24 15:41	1
beta-BHC	ND		5.8	0.75	ug/Kg	☼	12/12/24 16:01	12/17/24 15:41	1
delta-BHC	ND		5.8	0.96	ug/Kg	☼	12/12/24 16:01	12/17/24 15:41	1
gamma-BHC (Lindane)	ND		2.3	0.52	ug/Kg	☼	12/12/24 16:01	12/17/24 15:41	1
Heptachlor	ND		5.8	0.71	ug/Kg	☼	12/12/24 16:01	12/17/24 15:41	1
Aldrin	ND		5.8	0.54	ug/Kg	☼	12/12/24 16:01	12/17/24 15:41	1
Heptachlor epoxide	**1.8**	**J**	5.8	0.60	ug/Kg	☼	12/12/24 16:01	12/17/24 15:41	1
Endosulfan I	ND		5.8	0.60	ug/Kg	☼	12/12/24 16:01	12/17/24 15:41	1
Dieldrin	ND		5.8	0.64	ug/Kg	☼	12/12/24 16:01	12/17/24 15:41	1
4,4'-DDE	ND		9.3	0.76	ug/Kg	☼	12/12/24 16:01	12/17/24 15:41	1
Endrin	ND		9.3	0.82	ug/Kg	☼	12/12/24 16:01	12/17/24 15:41	1
Endosulfan II	ND		9.3	0.60	ug/Kg	☼	12/12/24 16:01	12/17/24 15:41	1
4,4'-DDD	ND		9.3	1.3	ug/Kg	☼	12/12/24 16:01	12/17/24 15:41	1
Endosulfan sulfate	ND		9.3	0.61	ug/Kg	☼	12/12/24 16:01	12/17/24 15:41	1
4,4'-DDT	ND		9.3	1.5	ug/Kg	☼	12/12/24 16:01	12/17/24 15:41	1
Methoxychlor	ND		9.3	1.8	ug/Kg	☼	12/12/24 16:01	12/17/24 15:41	1
Endrin ketone	ND		9.3	0.65	ug/Kg	☼	12/12/24 16:01	12/17/24 15:41	1
Endrin aldehyde	ND		9.3	1.1	ug/Kg	☼	12/12/24 16:01	12/17/24 15:41	1
cis-Chlordane	**4.6**	**J p**	5.8	0.57	ug/Kg	☼	12/12/24 16:01	12/17/24 15:41	1
trans-Chlordane	**2.7**	**J**	5.8	0.83	ug/Kg	☼	12/12/24 16:01	12/17/24 15:41	1
Toxaphene	ND		120	82	ug/Kg	☼	12/12/24 16:01	12/17/24 15:41	1
Alachlor	ND		5.8	1.7	ug/Kg	☼	12/12/24 16:01	12/17/24 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*		*30 - 150*	*12/12/24 16:01*	*12/17/24 15:41*	*1*
Tetrachloro-m-xylene	*75*		*30 - 150*	*12/12/24 16:01*	*12/17/24 15:41*	*1*
DCB Decachlorobiphenyl (Surr)	*66*		*30 - 150*	*12/12/24 16:01*	*12/17/24 15:41*	*1*
DCB Decachlorobiphenyl (Surr)	*53*		*30 - 150*	*12/12/24 16:01*	*12/17/24 15:41*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.92**	**J**	7.6	0.57	mg/Kg	☼	12/11/24 07:59	12/12/24 16:56	2
Arsenic	**7.7**		2.3	0.29	mg/Kg	☼	12/11/24 07:59	12/12/24 16:56	2
Beryllium	**0.21**	**J**	0.76	0.038	mg/Kg	☼	12/11/24 07:59	12/12/24 16:56	2
Barium	**17**	**B**	1.5	0.18	mg/Kg	☼	12/11/24 07:59	12/12/24 16:56	2
Cadmium	**0.49**	**J**	0.76	0.039	mg/Kg	☼	12/11/24 07:59	12/12/24 16:56	2
Chromium	**15**		1.5	0.20	mg/Kg	☼	12/11/24 07:59	12/12/24 16:56	2
Copper	**16**		1.5	0.36	mg/Kg	☼	12/11/24 07:59	12/12/24 16:56	2
Lead	**14**		2.3	0.32	mg/Kg	☼	12/11/24 07:59	12/12/24 16:56	2
Nickel	**20**		1.5	0.17	mg/Kg	☼	12/11/24 07:59	12/12/24 16:56	2
Selenium	ND		2.3	0.43	mg/Kg	☼	12/11/24 07:59	12/12/24 16:56	2
Silver	ND		2.3	0.25	mg/Kg	☼	12/11/24 07:59	12/12/24 16:56	2
Thallium	ND		4.6	1.7	mg/Kg	☼	12/11/24 07:59	12/12/24 16:56	2
Zinc	**36**		4.6	1.2	mg/Kg	☼	12/11/24 07:59	12/12/24 16:56	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.085**		0.058	0.0096	mg/Kg	☼	12/11/24 17:17	12/11/24 16:25	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-8-2.0
Date Collected: 12/03/24 11:16
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-5
Matrix: Solid
Percent Solids: 86.3

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.5	0.53	ug/Kg	☼	12/12/24 16:01	12/17/24 15:57	1
beta-BHC	ND		5.5	0.71	ug/Kg	☼	12/12/24 16:01	12/17/24 15:57	1
delta-BHC	ND		5.5	0.91	ug/Kg	☼	12/12/24 16:01	12/17/24 15:57	1
gamma-BHC (Lindane)	ND		2.2	0.49	ug/Kg	☼	12/12/24 16:01	12/17/24 15:57	1
Heptachlor	ND		5.5	0.67	ug/Kg	☼	12/12/24 16:01	12/17/24 15:57	1
Aldrin	ND		5.5	0.52	ug/Kg	☼	12/12/24 16:01	12/17/24 15:57	1
Heptachlor epoxide	**7.3**		5.5	0.57	ug/Kg	☼	12/12/24 16:01	12/17/24 15:57	1
Endosulfan I	ND		5.5	0.57	ug/Kg	☼	12/12/24 16:01	12/17/24 15:57	1
Dieldrin	ND		5.5	0.60	ug/Kg	☼	12/12/24 16:01	12/17/24 15:57	1
4,4'-DDE	ND		8.8	0.72	ug/Kg	☼	12/12/24 16:01	12/17/24 15:57	1
Endrin	ND		8.8	0.78	ug/Kg	☼	12/12/24 16:01	12/17/24 15:57	1
Endosulfan II	ND		8.8	0.57	ug/Kg	☼	12/12/24 16:01	12/17/24 15:57	1
4,4'-DDD	ND		8.8	1.3	ug/Kg	☼	12/12/24 16:01	12/17/24 15:57	1
Endosulfan sulfate	ND		8.8	0.58	ug/Kg	☼	12/12/24 16:01	12/17/24 15:57	1
4,4'-DDT	**4.1**	**J B**	8.8	1.4	ug/Kg	☼	12/12/24 16:01	12/17/24 15:57	1
Methoxychlor	ND		8.8	1.7	ug/Kg	☼	12/12/24 16:01	12/17/24 15:57	1
Endrin ketone	ND		8.8	0.61	ug/Kg	☼	12/12/24 16:01	12/17/24 15:57	1
Endrin aldehyde	ND		8.8	1.0	ug/Kg	☼	12/12/24 16:01	12/17/24 15:57	1
cis-Chlordane	**29**	**p**	5.5	0.54	ug/Kg	☼	12/12/24 16:01	12/17/24 15:57	1
trans-Chlordane	**15**		5.5	0.79	ug/Kg	☼	12/12/24 16:01	12/17/24 15:57	1
Toxaphene	ND		110	77	ug/Kg	☼	12/12/24 16:01	12/17/24 15:57	1
Alachlor	ND		5.5	1.6	ug/Kg	☼	12/12/24 16:01	12/17/24 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*30 - 150*	*12/12/24 16:01*	*12/17/24 15:57*	*1*
Tetrachloro-m-xylene	*91*		*30 - 150*	*12/12/24 16:01*	*12/17/24 15:57*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*30 - 150*	*12/12/24 16:01*	*12/17/24 15:57*	*1*
DCB Decachlorobiphenyl (Surr)	*59*		*30 - 150*	*12/12/24 16:01*	*12/17/24 15:57*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.1**	**J**	7.3	0.55	mg/Kg	☼	12/11/24 07:59	12/12/24 17:02	2
Arsenic	**15**		2.2	0.28	mg/Kg	☼	12/11/24 07:59	12/12/24 17:02	2
Beryllium	**0.25**	**J**	0.73	0.036	mg/Kg	☼	12/11/24 07:59	12/12/24 17:02	2
Barium	**20**	**B**	1.5	0.17	mg/Kg	☼	12/11/24 07:59	12/12/24 17:02	2
Cadmium	**0.39**	**J**	0.73	0.038	mg/Kg	☼	12/11/24 07:59	12/12/24 17:02	2
Chromium	**33**		1.5	0.19	mg/Kg	☼	12/11/24 07:59	12/12/24 17:02	2
Copper	**12**		1.5	0.35	mg/Kg	☼	12/11/24 07:59	12/12/24 17:02	2
Lead	**51**		2.2	0.31	mg/Kg	☼	12/11/24 07:59	12/12/24 17:02	2
Nickel	**46**		1.5	0.17	mg/Kg	☼	12/11/24 07:59	12/12/24 17:02	2
Selenium	ND		2.2	0.41	mg/Kg	☼	12/11/24 07:59	12/12/24 17:02	2
Silver	ND		2.2	0.24	mg/Kg	☼	12/11/24 07:59	12/12/24 17:02	2
Thallium	ND		4.4	1.6	mg/Kg	☼	12/11/24 07:59	12/12/24 17:02	2
Zinc	**35**		4.4	1.1	mg/Kg	☼	12/11/24 07:59	12/12/24 17:02	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**6.9**	**F2**	0.83	0.14	mg/Kg	☼	12/16/24 11:19	12/17/24 11:35	20

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-8-4.0
Date Collected: 12/03/24 11:35
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-6
Matrix: Solid
Percent Solids: 87.4

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.5	0.53	ug/Kg	☼	12/12/24 16:01	12/17/24 16:13	1
beta-BHC	ND		5.5	0.72	ug/Kg	☼	12/12/24 16:01	12/17/24 16:13	1
delta-BHC	ND		5.5	0.92	ug/Kg	☼	12/12/24 16:01	12/17/24 16:13	1
gamma-BHC (Lindane)	ND		2.2	0.50	ug/Kg	☼	12/12/24 16:01	12/17/24 16:13	1
Heptachlor	ND		5.5	0.67	ug/Kg	☼	12/12/24 16:01	12/17/24 16:13	1
Aldrin	ND		5.5	0.52	ug/Kg	☼	12/12/24 16:01	12/17/24 16:13	1
Heptachlor epoxide	ND		5.5	0.57	ug/Kg	☼	12/12/24 16:01	12/17/24 16:13	1
Endosulfan I	ND		5.5	0.57	ug/Kg	☼	12/12/24 16:01	12/17/24 16:13	1
Dieldrin	ND		5.5	0.61	ug/Kg	☼	12/12/24 16:01	12/17/24 16:13	1
4,4'-DDE	ND		8.8	0.73	ug/Kg	☼	12/12/24 16:01	12/17/24 16:13	1
Endrin	ND		8.8	0.78	ug/Kg	☼	12/12/24 16:01	12/17/24 16:13	1
Endosulfan II	ND		8.8	0.57	ug/Kg	☼	12/12/24 16:01	12/17/24 16:13	1
4,4'-DDD	ND		8.8	1.3	ug/Kg	☼	12/12/24 16:01	12/17/24 16:13	1
Endosulfan sulfate	ND		8.8	0.59	ug/Kg	☼	12/12/24 16:01	12/17/24 16:13	1
4,4'-DDT	ND		8.8	1.4	ug/Kg	☼	12/12/24 16:01	12/17/24 16:13	1
Methoxychlor	ND		8.8	1.7	ug/Kg	☼	12/12/24 16:01	12/17/24 16:13	1
Endrin ketone	ND		8.8	0.62	ug/Kg	☼	12/12/24 16:01	12/17/24 16:13	1
Endrin aldehyde	ND		8.8	1.0	ug/Kg	☼	12/12/24 16:01	12/17/24 16:13	1
cis-Chlordane	**1.8**	**J p**	5.5	0.54	ug/Kg	☼	12/12/24 16:01	12/17/24 16:13	1
trans-Chlordane	**1.2**	**J**	5.5	0.80	ug/Kg	☼	12/12/24 16:01	12/17/24 16:13	1
Toxaphene	ND		110	78	ug/Kg	☼	12/12/24 16:01	12/17/24 16:13	1
Alachlor	ND		5.5	1.6	ug/Kg	☼	12/12/24 16:01	12/17/24 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*82*		*30 - 150*	*12/12/24 16:01*	*12/17/24 16:13*	*1*
Tetrachloro-m-xylene	*82*		*30 - 150*	*12/12/24 16:01*	*12/17/24 16:13*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*30 - 150*	*12/12/24 16:01*	*12/17/24 16:13*	*1*
DCB Decachlorobiphenyl (Surr)	*62*		*30 - 150*	*12/12/24 16:01*	*12/17/24 16:13*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.60**	**J**	7.8	0.59	mg/Kg	☼	12/11/24 07:59	12/12/24 17:08	2
Arsenic	**3.2**		2.4	0.30	mg/Kg	☼	12/11/24 07:59	12/12/24 17:08	2
Beryllium	**0.15**	**J**	0.78	0.039	mg/Kg	☼	12/11/24 07:59	12/12/24 17:08	2
Barium	**14**	**B**	1.6	0.19	mg/Kg	☼	12/11/24 07:59	12/12/24 17:08	2
Cadmium	**0.22**	**J**	0.78	0.041	mg/Kg	☼	12/11/24 07:59	12/12/24 17:08	2
Chromium	**26**		1.6	0.21	mg/Kg	☼	12/11/24 07:59	12/12/24 17:08	2
Copper	**10**		1.6	0.38	mg/Kg	☼	12/11/24 07:59	12/12/24 17:08	2
Lead	**4.4**		2.4	0.33	mg/Kg	☼	12/11/24 07:59	12/12/24 17:08	2
Nickel	**31**		1.6	0.18	mg/Kg	☼	12/11/24 07:59	12/12/24 17:08	2
Selenium	ND		2.4	0.45	mg/Kg	☼	12/11/24 07:59	12/12/24 17:08	2
Silver	ND		2.4	0.25	mg/Kg	☼	12/11/24 07:59	12/12/24 17:08	2
Thallium	ND		4.7	1.7	mg/Kg	☼	12/11/24 07:59	12/12/24 17:08	2
Zinc	**20**		4.7	1.2	mg/Kg	☼	12/11/24 07:59	12/12/24 17:08	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.33**		0.053	0.0089	mg/Kg	☼	12/11/24 17:17	12/11/24 16:29	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-9-2.0
Date Collected: 12/03/24 11:50
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-7
Matrix: Solid
Percent Solids: 84.9

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.6	0.54	ug/Kg	☼	12/12/24 16:01	12/18/24 18:27	1
beta-BHC	ND		5.6	0.73	ug/Kg	☼	12/12/24 16:01	12/18/24 18:27	1
delta-BHC	ND		5.6	0.93	ug/Kg	☼	12/12/24 16:01	12/18/24 18:27	1
gamma-BHC (Lindane)	ND		2.2	0.51	ug/Kg	☼	12/12/24 16:01	12/18/24 18:27	1
Heptachlor	ND		5.6	0.68	ug/Kg	☼	12/12/24 16:01	12/18/24 18:27	1
Aldrin	ND		5.6	0.53	ug/Kg	☼	12/12/24 16:01	12/18/24 18:27	1
Heptachlor epoxide	**33**	**p**	5.6	0.58	ug/Kg	☼	12/12/24 16:01	12/18/24 18:27	1
Endosulfan I	ND		5.6	0.58	ug/Kg	☼	12/12/24 16:01	12/18/24 18:27	1
Dieldrin	ND		5.6	0.62	ug/Kg	☼	12/12/24 16:01	12/18/24 18:27	1
4,4'-DDE	ND		9.0	0.74	ug/Kg	☼	12/12/24 16:01	12/18/24 18:27	1
Endrin	ND		9.0	0.80	ug/Kg	☼	12/12/24 16:01	12/18/24 18:27	1
Endosulfan II	ND		9.0	0.58	ug/Kg	☼	12/12/24 16:01	12/18/24 18:27	1
4,4'-DDD	ND		9.0	1.3	ug/Kg	☼	12/12/24 16:01	12/18/24 18:27	1
Endosulfan sulfate	ND		9.0	0.59	ug/Kg	☼	12/12/24 16:01	12/18/24 18:27	1
4,4'-DDT	**11**	**B**	9.0	1.5	ug/Kg	☼	12/12/24 16:01	12/18/24 18:27	1
Methoxychlor	ND		9.0	1.7	ug/Kg	☼	12/12/24 16:01	12/18/24 18:27	1
Endrin ketone	ND		9.0	0.63	ug/Kg	☼	12/12/24 16:01	12/18/24 18:27	1
Endrin aldehyde	ND		9.0	1.0	ug/Kg	☼	12/12/24 16:01	12/18/24 18:27	1
cis-Chlordane	**360**	**p**	56	5.5	ug/Kg	☼	12/12/24 16:01	12/19/24 14:10	10
trans-Chlordane	**220**		56	8.1	ug/Kg	☼	12/12/24 16:01	12/19/24 14:10	10
Toxaphene	ND		110	79	ug/Kg	☼	12/12/24 16:01	12/18/24 18:27	1
Alachlor	ND		5.6	1.6	ug/Kg	☼	12/12/24 16:01	12/18/24 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*76*		*30 - 150*	*12/12/24 16:01*	*12/18/24 18:27*	*1*
Tetrachloro-m-xylene	*76*		*30 - 150*	*12/12/24 16:01*	*12/18/24 18:27*	*1*
DCB Decachlorobiphenyl (Surr)	*103*		*30 - 150*	*12/12/24 16:01*	*12/18/24 18:27*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*30 - 150*	*12/12/24 16:01*	*12/18/24 18:27*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.98**	**J**	8.1	0.61	mg/Kg	☼	12/11/24 07:59	12/12/24 17:14	2
Arsenic	**5.8**		2.4	0.31	mg/Kg	☼	12/11/24 07:59	12/12/24 17:14	2
Beryllium	**0.13**	**J**	0.81	0.041	mg/Kg	☼	12/11/24 07:59	12/12/24 17:14	2
Barium	**15**	**B**	1.6	0.19	mg/Kg	☼	12/11/24 07:59	12/12/24 17:14	2
Cadmium	**0.40**	**J**	0.81	0.042	mg/Kg	☼	12/11/24 07:59	12/12/24 17:14	2
Chromium	**27**		1.6	0.22	mg/Kg	☼	12/11/24 07:59	12/12/24 17:14	2
Copper	**12**		1.6	0.39	mg/Kg	☼	12/11/24 07:59	12/12/24 17:14	2
Lead	**26**		2.4	0.34	mg/Kg	☼	12/11/24 07:59	12/12/24 17:14	2
Nickel	**27**		1.6	0.19	mg/Kg	☼	12/11/24 07:59	12/12/24 17:14	2
Selenium	ND		2.4	0.47	mg/Kg	☼	12/11/24 07:59	12/12/24 17:14	2
Silver	ND		2.4	0.26	mg/Kg	☼	12/11/24 07:59	12/12/24 17:14	2
Thallium	ND		4.9	1.8	mg/Kg	☼	12/11/24 07:59	12/12/24 17:14	2
Zinc	**33**		4.9	1.3	mg/Kg	☼	12/11/24 07:59	12/12/24 17:14	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**5.2**		0.26	0.044	mg/Kg	☼	12/16/24 11:19	12/16/24 15:45	5

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-9-4.0
Date Collected: 12/03/24 12:10
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-8
Matrix: Solid
Percent Solids: 86.3

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.7	0.55	ug/Kg	☼	12/12/24 16:01	12/18/24 18:43	1
beta-BHC	ND		5.7	0.75	ug/Kg	☼	12/12/24 16:01	12/18/24 18:43	1
delta-BHC	ND		5.7	0.95	ug/Kg	☼	12/12/24 16:01	12/18/24 18:43	1
gamma-BHC (Lindane)	ND		2.3	0.52	ug/Kg	☼	12/12/24 16:01	12/18/24 18:43	1
Heptachlor	ND		5.7	0.70	ug/Kg	☼	12/12/24 16:01	12/18/24 18:43	1
Aldrin	ND		5.7	0.54	ug/Kg	☼	12/12/24 16:01	12/18/24 18:43	1
Heptachlor epoxide	**6.3**		5.7	0.60	ug/Kg	☼	12/12/24 16:01	12/18/24 18:43	1
Endosulfan I	ND		5.7	0.60	ug/Kg	☼	12/12/24 16:01	12/18/24 18:43	1
Dieldrin	ND		5.7	0.63	ug/Kg	☼	12/12/24 16:01	12/18/24 18:43	1
4,4'-DDE	ND		9.2	0.76	ug/Kg	☼	12/12/24 16:01	12/18/24 18:43	1
Endrin	ND		9.2	0.82	ug/Kg	☼	12/12/24 16:01	12/18/24 18:43	1
Endosulfan II	ND		9.2	0.60	ug/Kg	☼	12/12/24 16:01	12/18/24 18:43	1
4,4'-DDD	ND		9.2	1.3	ug/Kg	☼	12/12/24 16:01	12/18/24 18:43	1
Endosulfan sulfate	ND		9.2	0.61	ug/Kg	☼	12/12/24 16:01	12/18/24 18:43	1
4,4'-DDT	**2.7**	**J B**	9.2	1.5	ug/Kg	☼	12/12/24 16:01	12/18/24 18:43	1
Methoxychlor	ND		9.2	1.7	ug/Kg	☼	12/12/24 16:01	12/18/24 18:43	1
Endrin ketone	ND		9.2	0.64	ug/Kg	☼	12/12/24 16:01	12/18/24 18:43	1
Endrin aldehyde	ND		9.2	1.1	ug/Kg	☼	12/12/24 16:01	12/18/24 18:43	1
cis-Chlordane	**34**	**p**	5.7	0.56	ug/Kg	☼	12/12/24 16:01	12/18/24 18:43	1
trans-Chlordane	**16**		5.7	0.83	ug/Kg	☼	12/12/24 16:01	12/18/24 18:43	1
Toxaphene	ND		110	81	ug/Kg	☼	12/12/24 16:01	12/18/24 18:43	1
Alachlor	ND		5.7	1.7	ug/Kg	☼	12/12/24 16:01	12/18/24 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*69*		*30 - 150*	*12/12/24 16:01*	*12/18/24 18:43*	*1*
Tetrachloro-m-xylene	*72*		*30 - 150*	*12/12/24 16:01*	*12/18/24 18:43*	*1*
DCB Decachlorobiphenyl (Surr)	*116*		*30 - 150*	*12/12/24 16:01*	*12/18/24 18:43*	*1*
DCB Decachlorobiphenyl (Surr)	*72*	*p*	*30 - 150*	*12/12/24 16:01*	*12/18/24 18:43*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.59**	**J**	4.7	0.35	mg/Kg	☼	12/11/24 07:59	12/12/24 17:21	2
Arsenic	**3.8**		1.4	0.18	mg/Kg	☼	12/11/24 07:59	12/12/24 17:21	2
Beryllium	**0.12**	**J**	0.47	0.024	mg/Kg	☼	12/11/24 07:59	12/12/24 17:21	2
Barium	**9.3**	**B**	0.94	0.11	mg/Kg	☼	12/11/24 07:59	12/12/24 17:21	2
Cadmium	**0.27**	**J**	0.47	0.024	mg/Kg	☼	12/11/24 07:59	12/12/24 17:21	2
Chromium	**17**		0.94	0.13	mg/Kg	☼	12/11/24 07:59	12/12/24 17:21	2
Copper	**8.7**		0.94	0.23	mg/Kg	☼	12/11/24 07:59	12/12/24 17:21	2
Lead	**6.0**		1.4	0.20	mg/Kg	☼	12/11/24 07:59	12/12/24 17:21	2
Nickel	**23**		0.94	0.11	mg/Kg	☼	12/11/24 07:59	12/12/24 17:21	2
Selenium	ND		1.4	0.27	mg/Kg	☼	12/11/24 07:59	12/12/24 17:21	2
Silver	ND		1.4	0.15	mg/Kg	☼	12/11/24 07:59	12/12/24 17:21	2
Thallium	ND		2.8	1.0	mg/Kg	☼	12/11/24 07:59	12/12/24 17:21	2
Zinc	**25**		2.8	0.73	mg/Kg	☼	12/11/24 07:59	12/12/24 17:21	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.5**		0.26	0.043	mg/Kg	☼	12/16/24 11:19	12/16/24 15:47	5

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-10-2.0
Date Collected: 12/03/24 13:45
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-9
Matrix: Solid
Percent Solids: 88.6

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.3	0.51	ug/Kg	☼	12/12/24 16:01	12/18/24 18:59	1
beta-BHC	ND		5.3	0.69	ug/Kg	☼	12/12/24 16:01	12/18/24 18:59	1
delta-BHC	ND		5.3	0.88	ug/Kg	☼	12/12/24 16:01	12/18/24 18:59	1
gamma-BHC (Lindane)	ND		2.1	0.48	ug/Kg	☼	12/12/24 16:01	12/18/24 18:59	1
Heptachlor	ND		5.3	0.65	ug/Kg	☼	12/12/24 16:01	12/18/24 18:59	1
Aldrin	ND		5.3	0.50	ug/Kg	☼	12/12/24 16:01	12/18/24 18:59	1
Heptachlor epoxide	**19**		5.3	0.55	ug/Kg	☼	12/12/24 16:01	12/18/24 18:59	1
Endosulfan I	ND		5.3	0.55	ug/Kg	☼	12/12/24 16:01	12/18/24 18:59	1
Dieldrin	ND		5.3	0.58	ug/Kg	☼	12/12/24 16:01	12/18/24 18:59	1
4,4'-DDE	ND		8.5	0.70	ug/Kg	☼	12/12/24 16:01	12/18/24 18:59	1
Endrin	ND		8.5	0.75	ug/Kg	☼	12/12/24 16:01	12/18/24 18:59	1
Endosulfan II	ND		8.5	0.55	ug/Kg	☼	12/12/24 16:01	12/18/24 18:59	1
4,4'-DDD	ND		8.5	1.2	ug/Kg	☼	12/12/24 16:01	12/18/24 18:59	1
Endosulfan sulfate	ND		8.5	0.56	ug/Kg	☼	12/12/24 16:01	12/18/24 18:59	1
4,4'-DDT	**4.1**	**J B**	8.5	1.4	ug/Kg	☼	12/12/24 16:01	12/18/24 18:59	1
Methoxychlor	ND		8.5	1.6	ug/Kg	☼	12/12/24 16:01	12/18/24 18:59	1
Endrin ketone	ND		8.5	0.59	ug/Kg	☼	12/12/24 16:01	12/18/24 18:59	1
Endrin aldehyde	ND		8.5	0.99	ug/Kg	☼	12/12/24 16:01	12/18/24 18:59	1
cis-Chlordane	**3.8**	**J p**	5.3	0.52	ug/Kg	☼	12/12/24 16:01	12/18/24 18:59	1
trans-Chlordane	**3.7**	**J**	5.3	0.76	ug/Kg	☼	12/12/24 16:01	12/18/24 18:59	1
Toxaphene	ND		110	75	ug/Kg	☼	12/12/24 16:01	12/18/24 18:59	1
Alachlor	ND		5.3	1.5	ug/Kg	☼	12/12/24 16:01	12/18/24 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*30 - 150*	*12/12/24 16:01*	*12/18/24 18:59*	*1*
Tetrachloro-m-xylene	*82*		*30 - 150*	*12/12/24 16:01*	*12/18/24 18:59*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*30 - 150*	*12/12/24 16:01*	*12/18/24 18:59*	*1*
DCB Decachlorobiphenyl (Surr)	*52*		*30 - 150*	*12/12/24 16:01*	*12/18/24 18:59*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.96**	**J**	7.2	0.54	mg/Kg	☼	12/11/24 07:59	12/12/24 17:27	2
Arsenic	**3.2**		2.1	0.27	mg/Kg	☼	12/11/24 07:59	12/12/24 17:27	2
Beryllium	**0.20**	**J**	0.72	0.036	mg/Kg	☼	12/11/24 07:59	12/12/24 17:27	2
Barium	**26**	**B**	1.4	0.17	mg/Kg	☼	12/11/24 07:59	12/12/24 17:27	2
Cadmium	**0.37**	**J**	0.72	0.037	mg/Kg	☼	12/11/24 07:59	12/12/24 17:27	2
Chromium	**21**		1.4	0.19	mg/Kg	☼	12/11/24 07:59	12/12/24 17:27	2
Copper	**7.7**		1.4	0.34	mg/Kg	☼	12/11/24 07:59	12/12/24 17:27	2
Lead	**7.3**		2.1	0.30	mg/Kg	☼	12/11/24 07:59	12/12/24 17:27	2
Nickel	**24**		1.4	0.16	mg/Kg	☼	12/11/24 07:59	12/12/24 17:27	2
Selenium	ND		2.1	0.41	mg/Kg	☼	12/11/24 07:59	12/12/24 17:27	2
Silver	ND		2.1	0.23	mg/Kg	☼	12/11/24 07:59	12/12/24 17:27	2
Thallium	ND		4.3	1.6	mg/Kg	☼	12/11/24 07:59	12/12/24 17:27	2
Zinc	**37**		4.3	1.1	mg/Kg	☼	12/11/24 07:59	12/12/24 17:27	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.026**	**J**	0.054	0.0091	mg/Kg	☼	12/11/24 17:17	12/11/24 16:40	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-10-4.0

Date Collected: 12/03/24 14:06
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-10

Matrix: Solid
Percent Solids: 87.5

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.6	0.53	ug/Kg	☼	12/12/24 16:01	12/18/24 19:19	1
beta-BHC	ND		5.6	0.72	ug/Kg	☼	12/12/24 16:01	12/18/24 19:19	1
delta-BHC	ND		5.6	0.92	ug/Kg	☼	12/12/24 16:01	12/18/24 19:19	1
gamma-BHC (Lindane)	ND		2.2	0.50	ug/Kg	☼	12/12/24 16:01	12/18/24 19:19	1
Heptachlor	ND		5.6	0.68	ug/Kg	☼	12/12/24 16:01	12/18/24 19:19	1
Aldrin	ND		5.6	0.52	ug/Kg	☼	12/12/24 16:01	12/18/24 19:19	1
Heptachlor epoxide	**8.6**		5.6	0.58	ug/Kg	☼	12/12/24 16:01	12/18/24 19:19	1
Endosulfan I	ND		5.6	0.58	ug/Kg	☼	12/12/24 16:01	12/18/24 19:19	1
Dieldrin	ND		5.6	0.61	ug/Kg	☼	12/12/24 16:01	12/18/24 19:19	1
4,4'-DDE	ND		8.9	0.73	ug/Kg	☼	12/12/24 16:01	12/18/24 19:19	1
Endrin	ND		8.9	0.79	ug/Kg	☼	12/12/24 16:01	12/18/24 19:19	1
Endosulfan II	ND		8.9	0.58	ug/Kg	☼	12/12/24 16:01	12/18/24 19:19	1
4,4'-DDD	ND		8.9	1.3	ug/Kg	☼	12/12/24 16:01	12/18/24 19:19	1
Endosulfan sulfate	ND		8.9	0.59	ug/Kg	☼	12/12/24 16:01	12/18/24 19:19	1
4,4'-DDT	**1.5**	**J p**	8.9	1.5	ug/Kg	☼	12/12/24 16:01	12/18/24 19:19	1
Methoxychlor	ND		8.9	1.7	ug/Kg	☼	12/12/24 16:01	12/18/24 19:19	1
Endrin ketone	ND		8.9	0.62	ug/Kg	☼	12/12/24 16:01	12/18/24 19:19	1
Endrin aldehyde	ND		8.9	1.0	ug/Kg	☼	12/12/24 16:01	12/18/24 19:19	1
cis-Chlordane	**22**	**p**	5.6	0.54	ug/Kg	☼	12/12/24 16:01	12/18/24 19:19	1
trans-Chlordane	**21**		5.6	0.80	ug/Kg	☼	12/12/24 16:01	12/18/24 19:19	1
Toxaphene	ND		110	78	ug/Kg	☼	12/12/24 16:01	12/18/24 19:19	1
Alachlor	ND		5.6	1.6	ug/Kg	☼	12/12/24 16:01	12/18/24 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*30 - 150*	*12/12/24 16:01*	*12/18/24 19:19*	*1*
Tetrachloro-m-xylene	*83*		*30 - 150*	*12/12/24 16:01*	*12/18/24 19:19*	*1*
DCB Decachlorobiphenyl (Surr)	*87*		*30 - 150*	*12/12/24 16:01*	*12/18/24 19:19*	*1*
DCB Decachlorobiphenyl (Surr)	*62*		*30 - 150*	*12/12/24 16:01*	*12/18/24 19:19*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.78**	**J**	8.7	0.66	mg/Kg	☼	12/11/24 07:59	12/12/24 17:33	2
Arsenic	**5.9**		2.6	0.33	mg/Kg	☼	12/11/24 07:59	12/12/24 17:33	2
Beryllium	**0.18**	**J**	0.87	0.044	mg/Kg	☼	12/11/24 07:59	12/12/24 17:33	2
Barium	**12**	**B**	1.7	0.21	mg/Kg	☼	12/11/24 07:59	12/12/24 17:33	2
Cadmium	**0.32**	**J**	0.87	0.045	mg/Kg	☼	12/11/24 07:59	12/12/24 17:33	2
Chromium	**18**		1.7	0.23	mg/Kg	☼	12/11/24 07:59	12/12/24 17:33	2
Copper	**8.2**		1.7	0.42	mg/Kg	☼	12/11/24 07:59	12/12/24 17:33	2
Lead	**8.1**		2.6	0.37	mg/Kg	☼	12/11/24 07:59	12/12/24 17:33	2
Nickel	**23**		1.7	0.20	mg/Kg	☼	12/11/24 07:59	12/12/24 17:33	2
Selenium	ND		2.6	0.50	mg/Kg	☼	12/11/24 07:59	12/12/24 17:33	2
Silver	ND		2.6	0.28	mg/Kg	☼	12/11/24 07:59	12/12/24 17:33	2
Thallium	ND		5.2	1.9	mg/Kg	☼	12/11/24 07:59	12/12/24 17:33	2
Zinc	**37**		5.2	1.3	mg/Kg	☼	12/11/24 07:59	12/12/24 17:33	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.23**		0.057	0.0095	mg/Kg	☼	12/11/24 17:17	12/11/24 16:42	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-1-1.0
Date Collected: 12/03/24 14:35
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-11
Matrix: Solid
Percent Solids: 85.6

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.2	0.50	ug/Kg	☼	12/12/24 16:01	12/18/24 19:35	1
beta-BHC	ND		5.2	0.67	ug/Kg	☼	12/12/24 16:01	12/18/24 19:35	1
delta-BHC	ND		5.2	0.86	ug/Kg	☼	12/12/24 16:01	12/18/24 19:35	1
gamma-BHC (Lindane)	ND		2.1	0.46	ug/Kg	☼	12/12/24 16:01	12/18/24 19:35	1
Heptachlor	ND		5.2	0.63	ug/Kg	☼	12/12/24 16:01	12/18/24 19:35	1
Aldrin	ND		5.2	0.49	ug/Kg	☼	12/12/24 16:01	12/18/24 19:35	1
Heptachlor epoxide	**11**		5.2	0.54	ug/Kg	☼	12/12/24 16:01	12/18/24 19:35	1
Endosulfan I	ND		5.2	0.54	ug/Kg	☼	12/12/24 16:01	12/18/24 19:35	1
Dieldrin	ND		5.2	0.57	ug/Kg	☼	12/12/24 16:01	12/18/24 19:35	1
4,4'-DDE	ND		8.3	0.68	ug/Kg	☼	12/12/24 16:01	12/18/24 19:35	1
Endrin	ND		8.3	0.73	ug/Kg	☼	12/12/24 16:01	12/18/24 19:35	1
Endosulfan II	ND		8.3	0.54	ug/Kg	☼	12/12/24 16:01	12/18/24 19:35	1
4,4'-DDD	ND		8.3	1.2	ug/Kg	☼	12/12/24 16:01	12/18/24 19:35	1
Endosulfan sulfate	ND		8.3	0.55	ug/Kg	☼	12/12/24 16:01	12/18/24 19:35	1
4,4'-DDT	**3.5**	**J B p**	8.3	1.4	ug/Kg	☼	12/12/24 16:01	12/18/24 19:35	1
Methoxychlor	ND		8.3	1.6	ug/Kg	☼	12/12/24 16:01	12/18/24 19:35	1
Endrin ketone	ND		8.3	0.58	ug/Kg	☼	12/12/24 16:01	12/18/24 19:35	1
Endrin aldehyde	ND		8.3	0.96	ug/Kg	☼	12/12/24 16:01	12/18/24 19:35	1
cis-Chlordane	**55**	**p**	5.2	0.51	ug/Kg	☼	12/12/24 16:01	12/18/24 19:35	1
trans-Chlordane	**36**		5.2	0.74	ug/Kg	☼	12/12/24 16:01	12/18/24 19:35	1
Toxaphene	ND		100	73	ug/Kg	☼	12/12/24 16:01	12/18/24 19:35	1
Alachlor	ND		5.2	1.5	ug/Kg	☼	12/12/24 16:01	12/18/24 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*98*		*30 - 150*	*12/12/24 16:01*	*12/18/24 19:35*	*1*
Tetrachloro-m-xylene	*99*		*30 - 150*	*12/12/24 16:01*	*12/18/24 19:35*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*30 - 150*	*12/12/24 16:01*	*12/18/24 19:35*	*1*
DCB Decachlorobiphenyl (Surr)	*106*		*30 - 150*	*12/12/24 16:01*	*12/18/24 19:35*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.57**	**J**	6.1	0.46	mg/Kg	☼	12/11/24 07:59	12/12/24 17:39	2
Arsenic	**3.6**		1.8	0.23	mg/Kg	☼	12/11/24 07:59	12/12/24 17:39	2
Beryllium	**0.070**	**J**	0.61	0.031	mg/Kg	☼	12/11/24 07:59	12/12/24 17:39	2
Barium	**8.7**	**B**	1.2	0.14	mg/Kg	☼	12/11/24 07:59	12/12/24 17:39	2
Cadmium	**0.22**	**J**	0.61	0.032	mg/Kg	☼	12/11/24 07:59	12/12/24 17:39	2
Chromium	**11**		1.2	0.16	mg/Kg	☼	12/11/24 07:59	12/12/24 17:39	2
Copper	**14**		1.2	0.29	mg/Kg	☼	12/11/24 07:59	12/12/24 17:39	2
Lead	**4.9**		1.8	0.26	mg/Kg	☼	12/11/24 07:59	12/12/24 17:39	2
Nickel	**13**		1.2	0.14	mg/Kg	☼	12/11/24 07:59	12/12/24 17:39	2
Selenium	ND		1.8	0.35	mg/Kg	☼	12/11/24 07:59	12/12/24 17:39	2
Silver	ND		1.8	0.20	mg/Kg	☼	12/11/24 07:59	12/12/24 17:39	2
Thallium	ND		3.7	1.3	mg/Kg	☼	12/11/24 07:59	12/12/24 17:39	2
Zinc	**26**		3.7	0.95	mg/Kg	☼	12/11/24 07:59	12/12/24 17:39	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.053	0.0088	mg/Kg	☼	12/11/24 17:17	12/11/24 16:44	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SD-5
Date Collected: 12/03/24 15:17
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-15
Matrix: Solid
Percent Solids: 87.3

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.5	0.53	ug/Kg	☼	12/12/24 16:01	12/18/24 19:51	1
beta-BHC	ND		5.5	0.72	ug/Kg	☼	12/12/24 16:01	12/18/24 19:51	1
delta-BHC	ND		5.5	0.92	ug/Kg	☼	12/12/24 16:01	12/18/24 19:51	1
gamma-BHC (Lindane)	ND		2.2	0.50	ug/Kg	☼	12/12/24 16:01	12/18/24 19:51	1
Heptachlor	ND		5.5	0.68	ug/Kg	☼	12/12/24 16:01	12/18/24 19:51	1
Aldrin	ND		5.5	0.52	ug/Kg	☼	12/12/24 16:01	12/18/24 19:51	1
Heptachlor epoxide	ND		5.5	0.58	ug/Kg	☼	12/12/24 16:01	12/18/24 19:51	1
Endosulfan I	ND		5.5	0.58	ug/Kg	☼	12/12/24 16:01	12/18/24 19:51	1
Dieldrin	ND		5.5	0.61	ug/Kg	☼	12/12/24 16:01	12/18/24 19:51	1
4,4'-DDE	ND		8.9	0.73	ug/Kg	☼	12/12/24 16:01	12/18/24 19:51	1
Endrin	ND		8.9	0.79	ug/Kg	☼	12/12/24 16:01	12/18/24 19:51	1
Endosulfan II	ND		8.9	0.58	ug/Kg	☼	12/12/24 16:01	12/18/24 19:51	1
4,4'-DDD	ND		8.9	1.3	ug/Kg	☼	12/12/24 16:01	12/18/24 19:51	1
Endosulfan sulfate	ND		8.9	0.59	ug/Kg	☼	12/12/24 16:01	12/18/24 19:51	1
4,4'-DDT	ND		8.9	1.5	ug/Kg	☼	12/12/24 16:01	12/18/24 19:51	1
Methoxychlor	ND		8.9	1.7	ug/Kg	☼	12/12/24 16:01	12/18/24 19:51	1
Endrin ketone	ND		8.9	0.62	ug/Kg	☼	12/12/24 16:01	12/18/24 19:51	1
Endrin aldehyde	ND		8.9	1.0	ug/Kg	☼	12/12/24 16:01	12/18/24 19:51	1
cis-Chlordane	ND		5.5	0.54	ug/Kg	☼	12/12/24 16:01	12/18/24 19:51	1
trans-Chlordane	ND		5.5	0.80	ug/Kg	☼	12/12/24 16:01	12/18/24 19:51	1
Toxaphene	ND		110	78	ug/Kg	☼	12/12/24 16:01	12/18/24 19:51	1
Alachlor	ND		5.5	1.6	ug/Kg	☼	12/12/24 16:01	12/18/24 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*70*		*30 - 150*	*12/12/24 16:01*	*12/18/24 19:51*	*1*
Tetrachloro-m-xylene	*73*		*30 - 150*	*12/12/24 16:01*	*12/18/24 19:51*	*1*
DCB Decachlorobiphenyl (Surr)	*90*		*30 - 150*	*12/12/24 16:01*	*12/18/24 19:51*	*1*
DCB Decachlorobiphenyl (Surr)	*72*		*30 - 150*	*12/12/24 16:01*	*12/18/24 19:51*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.57**	**J**	7.4	0.55	mg/Kg	☼	12/11/24 07:59	12/12/24 17:45	2
Arsenic	**2.0**	**J**	2.2	0.28	mg/Kg	☼	12/11/24 07:59	12/12/24 17:45	2
Beryllium	**0.13**	**J**	0.74	0.037	mg/Kg	☼	12/11/24 07:59	12/12/24 17:45	2
Barium	**24**	**B**	1.5	0.17	mg/Kg	☼	12/11/24 07:59	12/12/24 17:45	2
Cadmium	**0.32**	**J**	0.74	0.038	mg/Kg	☼	12/11/24 07:59	12/12/24 17:45	2
Chromium	**13**		1.5	0.20	mg/Kg	☼	12/11/24 07:59	12/12/24 17:45	2
Copper	**14**		1.5	0.35	mg/Kg	☼	12/11/24 07:59	12/12/24 17:45	2
Lead	**6.3**		2.2	0.31	mg/Kg	☼	12/11/24 07:59	12/12/24 17:45	2
Nickel	**18**		1.5	0.17	mg/Kg	☼	12/11/24 07:59	12/12/24 17:45	2
Selenium	ND		2.2	0.42	mg/Kg	☼	12/11/24 07:59	12/12/24 17:45	2
Silver	ND		2.2	0.24	mg/Kg	☼	12/11/24 07:59	12/12/24 17:45	2
Thallium	ND		4.4	1.6	mg/Kg	☼	12/11/24 07:59	12/12/24 17:45	2
Zinc	**35**		4.4	1.1	mg/Kg	☼	12/11/24 07:59	12/12/24 17:45	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.025**	**J**	0.058	0.0096	mg/Kg	☼	12/11/24 17:17	12/11/24 16:46	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-3-2.0
Date Collected: 12/04/24 08:43
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-16
Matrix: Solid
Percent Solids: 83.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		57	31	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Acetone	ND		570	72	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Acrylonitrile	ND		57	21	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Benzene	ND		57	9.1	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Bromobenzene	ND		57	13	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Bromochloromethane	ND		57	8.2	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Bromodichloromethane	ND		57	15	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Bromoform	ND		57	12	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Bromomethane	ND		110	28	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
2-Butanone (MEK)	ND		110	26	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
n-Butylbenzene	ND		57	23	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
sec-Butylbenzene	ND		57	18	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
tert-Butylbenzene	ND		57	23	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Carbon disulfide	**27**	**J B**	110	21	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Carbon tetrachloride	ND		57	17	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Chlorobenzene	ND		57	6.9	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Chloroethane	ND		110	25	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Chloroform	ND		57	6.7	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Chloromethane	ND		110	68	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
2-Chlorotoluene	ND		57	14	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
4-Chlorotoluene	ND		57	10	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
1,2-Dibromo-3-Chloropropane	ND		110	23	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Dibromochloromethane	ND		57	9.0	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
1,2-Dibromoethane (EDB)	ND		57	16	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Dibromomethane	ND		57	11	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
1,2-Dichlorobenzene	ND		57	10	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
1,3-Dichlorobenzene	ND		57	14	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
1,4-Dichlorobenzene	ND		57	10	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Dichlorodifluoromethane (Freon 12)	ND		110	75	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
1,1-Dichloroethane	ND		57	13	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
1,2-Dichloroethane	ND		57	15	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
1,1-Dichloroethene	ND		57	15	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
cis-1,2-Dichloroethene	ND		57	19	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
trans-1,2-Dichloroethene	ND		57	13	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
1,2-Dichloropropane	ND		57	20	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
1,3-Dichloropropane	ND		57	18	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
2,2-Dichloropropane	ND		57	15	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
1,1-Dichloropropene	ND		57	17	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
cis-1,3-Dichloropropene	ND		57	13	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
trans-1,3-Dichloropropene	ND		57	23	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Ethylbenzene	ND		57	12	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Hexachlorobutadiene	ND		57	18	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
2-Hexanone (MBK)	ND		110	38	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Isopropylbenzene	ND		57	21	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
4-Isopropyltoluene	ND		57	16	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Methyl tert-butyl ether	ND		57	17	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
4-Methyl-2-pentanone (MIBK)	ND		110	41	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Methylene Chloride	ND		110	49	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Naphthalene	ND		110	17	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-3-2.0
Date Collected: 12/04/24 08:43
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-16
Matrix: Solid
Percent Solids: 83.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		57	14	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Styrene	ND		57	7.5	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
1,1,1,2-Tetrachloroethane	ND		57	14	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
1,1,2,2-Tetrachloroethane	ND		57	18	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Tetrachloroethene	ND		57	18	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Toluene	ND		57	9.2	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
1,2,3-Trichlorobenzene	ND		57	13	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
1,2,4-Trichlorobenzene	ND		57	9.4	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
1,3,5-Trichlorobenzene	ND		57	9.0	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
1,1,1-Trichloroethane	ND		57	14	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
1,1,2-Trichloroethane	ND		57	18	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Trichloroethene	ND		57	9.8	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Trichlorofluoromethane (Freon 11)	ND		57	26	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
1,2,3-Trichloropropane	ND		57	26	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
1,2,4-Trimethylbenzene	ND		57	14	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
1,3,5-Trimethylbenzene	ND		57	12	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Vinyl chloride	ND		57	28	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
m,p-Xylene	ND		57	34	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
o-Xylene	ND		57	18	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Tetrahydrofuran	ND		110	42	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Ethyl ether	ND		57	15	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Tert-amyl methyl ether	ND		57	32	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Ethyl tert-butyl ether	ND		57	16	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
di-Isopropyl ether	ND		57	18	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
tert-Butanol	ND		1100	810	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
1,4-Dioxane	ND		1100	340	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
trans-1,4-Dichloro-2-butene	ND		290	38	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1
Ethanol	ND		11000	980	ug/Kg	☼	12/16/24 10:48	12/16/24 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*12/16/24 10:48*	*12/16/24 13:58*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*12/16/24 10:48*	*12/16/24 13:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*	*12/16/24 10:48*	*12/16/24 13:58*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*	*12/16/24 10:48*	*12/16/24 13:58*	*1*

Method: SW846 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 18:17	1
Acenaphthylene	ND		19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 18:17	1
1-Methylnaphthalene	ND		19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 18:17	1
Anthracene	ND		19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 18:17	1
Benzo[a]anthracene	**11**	**J**	19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 18:17	1
Benzo[a]pyrene	**18**	**J**	19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 18:17	1
Benzo[b]fluoranthene	**14**	**J**	19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 18:17	1
Benzo[g,h,i]perylene	**13**	**J**	19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 18:17	1
Benzo[k]fluoranthene	**14**	**J**	19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 18:17	1
Chrysene	**14**	**J**	19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 18:17	1
Dibenz(a,h)anthracene	ND		19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 18:17	1
Fluoranthene	**17**	**J**	19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 18:17	1
Fluorene	ND		19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 18:17	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-3-2.0
Date Collected: 12/04/24 08:43
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-16
Matrix: Solid
Percent Solids: 83.0

Method: SW846 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**12**	**J**	19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 18:17	1
2-Methylnaphthalene	ND		19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 18:17	1
Naphthalene	ND		19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 18:17	1
Phenanthrene	ND		19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 18:17	1
Pyrene	**18**	**J**	19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*91*		*30 - 130*	*12/13/24 11:09*	*12/17/24 18:17*	*1*
2-Fluorobiphenyl (Surr)	*82*		*30 - 130*	*12/13/24 11:09*	*12/17/24 18:17*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.8	0.56	ug/Kg	☼	12/12/24 16:01	12/18/24 20:07	1
beta-BHC	ND		5.8	0.75	ug/Kg	☼	12/12/24 16:01	12/18/24 20:07	1
delta-BHC	ND		5.8	0.96	ug/Kg	☼	12/12/24 16:01	12/18/24 20:07	1
gamma-BHC (Lindane)	ND		2.3	0.52	ug/Kg	☼	12/12/24 16:01	12/18/24 20:07	1
Heptachlor	ND		5.8	0.71	ug/Kg	☼	12/12/24 16:01	12/18/24 20:07	1
Aldrin	ND		5.8	0.55	ug/Kg	☼	12/12/24 16:01	12/18/24 20:07	1
Heptachlor epoxide	ND		5.8	0.60	ug/Kg	☼	12/12/24 16:01	12/18/24 20:07	1
Endosulfan I	ND		5.8	0.60	ug/Kg	☼	12/12/24 16:01	12/18/24 20:07	1
Dieldrin	ND		5.8	0.64	ug/Kg	☼	12/12/24 16:01	12/18/24 20:07	1
4,4'-DDE	ND		9.3	0.77	ug/Kg	☼	12/12/24 16:01	12/18/24 20:07	1
Endrin	ND		9.3	0.82	ug/Kg	☼	12/12/24 16:01	12/18/24 20:07	1
Endosulfan II	ND		9.3	0.60	ug/Kg	☼	12/12/24 16:01	12/18/24 20:07	1
4,4'-DDD	ND		9.3	1.3	ug/Kg	☼	12/12/24 16:01	12/18/24 20:07	1
Endosulfan sulfate	ND		9.3	0.61	ug/Kg	☼	12/12/24 16:01	12/18/24 20:07	1
4,4'-DDT	ND		9.3	1.5	ug/Kg	☼	12/12/24 16:01	12/18/24 20:07	1
Methoxychlor	ND		9.3	1.8	ug/Kg	☼	12/12/24 16:01	12/18/24 20:07	1
Endrin ketone	ND		9.3	0.65	ug/Kg	☼	12/12/24 16:01	12/18/24 20:07	1
Endrin aldehyde	ND		9.3	1.1	ug/Kg	☼	12/12/24 16:01	12/18/24 20:07	1
cis-Chlordane	ND		5.8	0.57	ug/Kg	☼	12/12/24 16:01	12/18/24 20:07	1
trans-Chlordane	ND		5.8	0.84	ug/Kg	☼	12/12/24 16:01	12/18/24 20:07	1
Toxaphene	ND		120	82	ug/Kg	☼	12/12/24 16:01	12/18/24 20:07	1
Alachlor	ND		5.8	1.7	ug/Kg	☼	12/12/24 16:01	12/18/24 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*65*		*30 - 150*	*12/12/24 16:01*	*12/18/24 20:07*	*1*
Tetrachloro-m-xylene	*71*		*30 - 150*	*12/12/24 16:01*	*12/18/24 20:07*	*1*
DCB Decachlorobiphenyl (Surr)	*43*		*30 - 150*	*12/12/24 16:01*	*12/18/24 20:07*	*1*
DCB Decachlorobiphenyl (Surr)	*48*		*30 - 150*	*12/12/24 16:01*	*12/18/24 20:07*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.71**	**J**	7.9	0.59	mg/Kg	☼	12/11/24 07:59	12/12/24 17:52	2
Arsenic	**3.6**		2.4	0.30	mg/Kg	☼	12/11/24 07:59	12/12/24 17:52	2
Beryllium	**0.27**	**J**	0.79	0.040	mg/Kg	☼	12/11/24 07:59	12/12/24 17:52	2
Barium	**9.5**	**B**	1.6	0.19	mg/Kg	☼	12/11/24 07:59	12/12/24 17:52	2
Cadmium	**0.36**	**J**	0.79	0.041	mg/Kg	☼	12/11/24 07:59	12/12/24 17:52	2
Chromium	**22**		1.6	0.21	mg/Kg	☼	12/11/24 07:59	12/12/24 17:52	2
Copper	**6.5**		1.6	0.38	mg/Kg	☼	12/11/24 07:59	12/12/24 17:52	2

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-3-2.0
Date Collected: 12/04/24 08:43
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-16
Matrix: Solid
Percent Solids: 83.0

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.4		2.4	0.33	mg/Kg	☼	12/11/24 07:59	12/12/24 17:52	2
Nickel	21		1.6	0.18	mg/Kg	☼	12/11/24 07:59	12/12/24 17:52	2
Selenium	ND		2.4	0.45	mg/Kg	☼	12/11/24 07:59	12/12/24 17:52	2
Silver	ND		2.4	0.26	mg/Kg	☼	12/11/24 07:59	12/12/24 17:52	2
Thallium	ND		4.7	1.7	mg/Kg	☼	12/11/24 07:59	12/12/24 17:52	2
Zinc	25		4.7	1.2	mg/Kg	☼	12/11/24 07:59	12/12/24 17:52	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029	J	0.052	0.0087	mg/Kg	☼	12/16/24 11:19	12/16/24 15:49	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-3-2.0-FD
Date Collected: 12/04/24 08:43
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-17
Matrix: Solid
Percent Solids: 82.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		62	34	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Acetone	ND		620	78	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Acrylonitrile	ND		62	22	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Benzene	ND		62	9.9	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Bromobenzene	ND		62	14	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Bromochloromethane	ND		62	8.8	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Bromodichloromethane	ND		62	16	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Bromoform	ND		62	13	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Bromomethane	ND		120	30	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
2-Butanone (MEK)	ND		120	28	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
n-Butylbenzene	ND		62	25	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
sec-Butylbenzene	ND		62	19	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
tert-Butylbenzene	ND		62	25	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Carbon disulfide	**28**	**J B**	120	23	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Carbon tetrachloride	ND		62	18	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Chlorobenzene	ND		62	7.5	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Chloroethane	ND		120	27	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Chloroform	ND		62	7.3	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Chloromethane	ND		120	73	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
2-Chlorotoluene	ND		62	15	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
4-Chlorotoluene	ND		62	11	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
1,2-Dibromo-3-Chloropropane	ND		120	24	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Dibromochloromethane	ND		62	9.7	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
1,2-Dibromoethane (EDB)	ND		62	17	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Dibromomethane	ND		62	12	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
1,2-Dichlorobenzene	ND		62	11	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
1,3-Dichlorobenzene	ND		62	15	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
1,4-Dichlorobenzene	ND		62	11	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Dichlorodifluoromethane (Freon 12)	ND		120	81	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
1,1-Dichloroethane	ND		62	14	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
1,2-Dichloroethane	ND		62	16	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
1,1-Dichloroethene	ND		62	16	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
cis-1,2-Dichloroethene	ND		62	21	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
trans-1,2-Dichloroethene	ND		62	14	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
1,2-Dichloropropane	ND		62	21	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
1,3-Dichloropropane	ND		62	19	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
2,2-Dichloropropane	ND		62	16	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
1,1-Dichloropropene	ND		62	19	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
cis-1,3-Dichloropropene	ND		62	15	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
trans-1,3-Dichloropropene	ND		62	25	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Ethylbenzene	ND		62	13	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Hexachlorobutadiene	ND		62	20	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
2-Hexanone (MBK)	ND		120	41	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Isopropylbenzene	ND		62	22	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
4-Isopropyltoluene	ND		62	17	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Methyl tert-butyl ether	ND		62	19	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
4-Methyl-2-pentanone (MIBK)	ND		120	44	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Methylene Chloride	ND		120	53	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Naphthalene	ND		120	18	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-3-2.0-FD
Date Collected: 12/04/24 08:43
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-17
Matrix: Solid
Percent Solids: 82.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		62	15	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Styrene	ND		62	8.1	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
1,1,1,2-Tetrachloroethane	ND		62	15	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
1,1,2,2-Tetrachloroethane	ND		62	20	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Tetrachloroethene	ND		62	19	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Toluene	ND		62	9.9	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
1,2,3-Trichlorobenzene	ND		62	14	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
1,2,4-Trichlorobenzene	ND		62	10	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
1,3,5-Trichlorobenzene	ND		62	9.7	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
1,1,1-Trichloroethane	ND		62	15	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
1,1,2-Trichloroethane	ND		62	19	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Trichloroethene	ND		62	11	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Trichlorofluoromethane (Freon 11)	ND		62	28	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
1,2,3-Trichloropropane	ND		62	28	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
1,2,4-Trimethylbenzene	ND		62	16	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
1,3,5-Trimethylbenzene	ND		62	13	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Vinyl chloride	ND		62	30	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
m,p-Xylene	ND		62	36	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
o-Xylene	ND		62	19	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Tetrahydrofuran	ND		120	45	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Ethyl ether	ND		62	17	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Tert-amyl methyl ether	ND		62	34	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Ethyl tert-butyl ether	ND		62	17	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
di-Isopropyl ether	ND		62	20	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
tert-Butanol	ND		1200	880	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
1,4-Dioxane	ND		1200	360	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
trans-1,4-Dichloro-2-butene	ND		310	41	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1
Ethanol	ND		12000	1100	ug/Kg	☼	12/16/24 10:48	12/16/24 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*12/16/24 10:48*	*12/16/24 14:24*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*	*12/16/24 10:48*	*12/16/24 14:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 130*	*12/16/24 10:48*	*12/16/24 14:24*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*	*12/16/24 10:48*	*12/16/24 14:24*	*1*

Method: SW846 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		19	8.0	ug/Kg	☼	12/13/24 11:09	12/17/24 18:44	1
Acenaphthylene	ND		19	8.0	ug/Kg	☼	12/13/24 11:09	12/17/24 18:44	1
1-Methylnaphthalene	ND		19	8.0	ug/Kg	☼	12/13/24 11:09	12/17/24 18:44	1
Anthracene	ND		19	8.0	ug/Kg	☼	12/13/24 11:09	12/17/24 18:44	1
Benzo[a]anthracene	**8.5**	**J**	19	8.0	ug/Kg	☼	12/13/24 11:09	12/17/24 18:44	1
Benzo[a]pyrene	**14**	**J**	19	8.0	ug/Kg	☼	12/13/24 11:09	12/17/24 18:44	1
Benzo[b]fluoranthene	**11**	**J**	19	8.0	ug/Kg	☼	12/13/24 11:09	12/17/24 18:44	1
Benzo[g,h,i]perylene	**11**	**J**	19	8.0	ug/Kg	☼	12/13/24 11:09	12/17/24 18:44	1
Benzo[k]fluoranthene	**11**	**J**	19	8.0	ug/Kg	☼	12/13/24 11:09	12/17/24 18:44	1
Chrysene	**11**	**J**	19	8.0	ug/Kg	☼	12/13/24 11:09	12/17/24 18:44	1
Dibenz(a,h)anthracene	ND		19	8.0	ug/Kg	☼	12/13/24 11:09	12/17/24 18:44	1
Fluoranthene	**13**	**J**	19	8.0	ug/Kg	☼	12/13/24 11:09	12/17/24 18:44	1
Fluorene	ND		19	8.0	ug/Kg	☼	12/13/24 11:09	12/17/24 18:44	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-3-2.0-FD
Date Collected: 12/04/24 08:43
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-17
Matrix: Solid
Percent Solids: 82.9

Method: SW846 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**11**	**J**	19	8.0	ug/Kg	☼	12/13/24 11:09	12/17/24 18:44	1
2-Methylnaphthalene	ND		19	8.0	ug/Kg	☼	12/13/24 11:09	12/17/24 18:44	1
Naphthalene	ND		19	8.0	ug/Kg	☼	12/13/24 11:09	12/17/24 18:44	1
Phenanthrene	ND		19	8.0	ug/Kg	☼	12/13/24 11:09	12/17/24 18:44	1
Pyrene	**15**	**J**	19	8.0	ug/Kg	☼	12/13/24 11:09	12/17/24 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*83*		*30 - 130*	*12/13/24 11:09*	*12/17/24 18:44*	*1*
2-Fluorobiphenyl (Surr)	*74*		*30 - 130*	*12/13/24 11:09*	*12/17/24 18:44*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.8	0.55	ug/Kg	☼	12/12/24 16:01	12/18/24 20:23	1
beta-BHC	ND		5.8	0.75	ug/Kg	☼	12/12/24 16:01	12/18/24 20:23	1
delta-BHC	ND		5.8	0.96	ug/Kg	☼	12/12/24 16:01	12/18/24 20:23	1
gamma-BHC (Lindane)	ND		2.3	0.52	ug/Kg	☼	12/12/24 16:01	12/18/24 20:23	1
Heptachlor	ND		5.8	0.70	ug/Kg	☼	12/12/24 16:01	12/18/24 20:23	1
Aldrin	ND		5.8	0.54	ug/Kg	☼	12/12/24 16:01	12/18/24 20:23	1
Heptachlor epoxide	ND		5.8	0.60	ug/Kg	☼	12/12/24 16:01	12/18/24 20:23	1
Endosulfan I	ND		5.8	0.60	ug/Kg	☼	12/12/24 16:01	12/18/24 20:23	1
Dieldrin	ND		5.8	0.64	ug/Kg	☼	12/12/24 16:01	12/18/24 20:23	1
4,4'-DDE	ND		9.2	0.76	ug/Kg	☼	12/12/24 16:01	12/18/24 20:23	1
Endrin	ND		9.2	0.82	ug/Kg	☼	12/12/24 16:01	12/18/24 20:23	1
Endosulfan II	ND		9.2	0.60	ug/Kg	☼	12/12/24 16:01	12/18/24 20:23	1
4,4'-DDD	ND		9.2	1.3	ug/Kg	☼	12/12/24 16:01	12/18/24 20:23	1
Endosulfan sulfate	ND		9.2	0.61	ug/Kg	☼	12/12/24 16:01	12/18/24 20:23	1
4,4'-DDT	ND		9.2	1.5	ug/Kg	☼	12/12/24 16:01	12/18/24 20:23	1
Methoxychlor	ND		9.2	1.8	ug/Kg	☼	12/12/24 16:01	12/18/24 20:23	1
Endrin ketone	ND		9.2	0.65	ug/Kg	☼	12/12/24 16:01	12/18/24 20:23	1
Endrin aldehyde	ND		9.2	1.1	ug/Kg	☼	12/12/24 16:01	12/18/24 20:23	1
cis-Chlordane	ND		5.8	0.57	ug/Kg	☼	12/12/24 16:01	12/18/24 20:23	1
trans-Chlordane	ND		5.8	0.83	ug/Kg	☼	12/12/24 16:01	12/18/24 20:23	1
Toxaphene	ND		120	81	ug/Kg	☼	12/12/24 16:01	12/18/24 20:23	1
Alachlor	ND		5.8	1.7	ug/Kg	☼	12/12/24 16:01	12/18/24 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*70*		*30 - 150*	*12/12/24 16:01*	*12/18/24 20:23*	*1*
Tetrachloro-m-xylene	*70*		*30 - 150*	*12/12/24 16:01*	*12/18/24 20:23*	*1*
DCB Decachlorobiphenyl (Surr)	*60*		*30 - 150*	*12/12/24 16:01*	*12/18/24 20:23*	*1*
DCB Decachlorobiphenyl (Surr)	*58*		*30 - 150*	*12/12/24 16:01*	*12/18/24 20:23*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.91**	**J**	11	0.80	mg/Kg	☼	12/11/24 07:59	12/12/24 18:10	2
Arsenic	**3.5**		3.2	0.40	mg/Kg	☼	12/11/24 07:59	12/12/24 18:10	2
Beryllium	**0.25**	**J**	1.1	0.053	mg/Kg	☼	12/11/24 07:59	12/12/24 18:10	2
Barium	**9.3**	**B**	2.1	0.25	mg/Kg	☼	12/11/24 07:59	12/12/24 18:10	2
Cadmium	**0.32**	**J**	1.1	0.055	mg/Kg	☼	12/11/24 07:59	12/12/24 18:10	2
Chromium	**20**		2.1	0.28	mg/Kg	☼	12/11/24 07:59	12/12/24 18:10	2
Copper	**6.5**		2.1	0.51	mg/Kg	☼	12/11/24 07:59	12/12/24 18:10	2

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-3-2.0-FD
Date Collected: 12/04/24 08:43
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-17
Matrix: Solid
Percent Solids: 82.9

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.5		3.2	0.45	mg/Kg	☼	12/11/24 07:59	12/12/24 18:10	2
Nickel	22		2.1	0.24	mg/Kg	☼	12/11/24 07:59	12/12/24 18:10	2
Selenium	ND		3.2	0.61	mg/Kg	☼	12/11/24 07:59	12/12/24 18:10	2
Silver	ND		3.2	0.34	mg/Kg	☼	12/11/24 07:59	12/12/24 18:10	2
Thallium	ND		6.4	2.3	mg/Kg	☼	12/11/24 07:59	12/12/24 18:10	2
Zinc	24		6.4	1.6	mg/Kg	☼	12/11/24 07:59	12/12/24 18:10	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024	J	0.046	0.0076	mg/Kg	☼	12/16/24 11:19	12/16/24 15:52	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-3-4.0
Date Collected: 12/04/24 09:17
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-18
Matrix: Solid
Percent Solids: 85.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		70	38	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Acetone	ND		700	88	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Acrylonitrile	ND		70	25	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Benzene	ND		70	11	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Bromobenzene	ND		70	16	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Bromochloromethane	ND		70	10	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Bromodichloromethane	ND		70	18	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Bromoform	ND		70	15	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Bromomethane	ND		140	35	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
2-Butanone (MEK)	ND		140	32	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
n-Butylbenzene	ND		70	28	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
sec-Butylbenzene	ND		70	21	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
tert-Butylbenzene	ND		70	29	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Carbon disulfide	**27**	**J B**	140	26	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Carbon tetrachloride	ND		70	21	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Chlorobenzene	ND		70	8.5	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Chloroethane	ND		140	31	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Chloroform	ND		70	8.3	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Chloromethane	ND		140	83	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
2-Chlorotoluene	ND		70	17	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
4-Chlorotoluene	ND		70	13	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
1,2-Dibromo-3-Chloropropane	ND		140	28	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Dibromochloromethane	ND		70	11	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
1,2-Dibromoethane (EDB)	ND		70	19	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Dibromomethane	ND		70	13	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
1,2-Dichlorobenzene	ND		70	13	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
1,3-Dichlorobenzene	ND		70	17	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
1,4-Dichlorobenzene	ND		70	13	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Dichlorodifluoromethane (Freon 12)	ND		140	92	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
1,1-Dichloroethane	ND		70	16	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
1,2-Dichloroethane	ND		70	18	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
1,1-Dichloroethene	ND		70	18	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
cis-1,2-Dichloroethene	ND		70	23	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
trans-1,2-Dichloroethene	ND		70	16	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
1,2-Dichloropropane	ND		70	24	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
1,3-Dichloropropane	ND		70	22	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
2,2-Dichloropropane	ND		70	18	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
1,1-Dichloropropene	ND		70	21	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
cis-1,3-Dichloropropene	ND		70	17	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
trans-1,3-Dichloropropene	ND		70	28	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Ethylbenzene	ND		70	15	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Hexachlorobutadiene	ND		70	22	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
2-Hexanone (MBK)	ND		140	47	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Isopropylbenzene	ND		70	25	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
4-Isopropyltoluene	ND		70	19	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Methyl tert-butyl ether	ND		70	21	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
4-Methyl-2-pentanone (MIBK)	ND		140	50	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Methylene Chloride	ND		140	60	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Naphthalene	ND		140	20	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-3-4.0
Date Collected: 12/04/24 09:17
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-18
Matrix: Solid
Percent Solids: 85.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		70	17	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Styrene	ND		70	9.2	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
1,1,1,2-Tetrachloroethane	ND		70	17	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
1,1,2,2-Tetrachloroethane	ND		70	22	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Tetrachloroethene	ND		70	22	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Toluene	ND		70	11	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
1,2,3-Trichlorobenzene	ND		70	16	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
1,2,4-Trichlorobenzene	ND		70	12	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
1,3,5-Trichlorobenzene	ND		70	11	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
1,1,1-Trichloroethane	ND		70	17	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
1,1,2-Trichloroethane	ND		70	22	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Trichloroethene	ND		70	12	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Trichlorofluoromethane (Freon 11)	ND		70	32	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
1,2,3-Trichloropropane	ND		70	32	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
1,2,4-Trimethylbenzene	ND		70	18	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
1,3,5-Trimethylbenzene	ND		70	15	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Vinyl chloride	ND		70	34	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
m,p-Xylene	ND		70	41	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
o-Xylene	ND		70	22	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Tetrahydrofuran	ND		140	51	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Ethyl ether	ND		70	19	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Tert-amyl methyl ether	ND		70	39	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Ethyl tert-butyl ether	ND		70	19	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
di-Isopropyl ether	ND		70	23	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
tert-Butanol	ND		1400	990	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
1,4-Dioxane	ND		1400	410	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
trans-1,4-Dichloro-2-butene	ND		350	46	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1
Ethanol	ND		14000	1200	ug/Kg	☼	12/16/24 10:48	12/16/24 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*12/16/24 10:48*	*12/16/24 14:50*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*12/16/24 10:48*	*12/16/24 14:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*12/16/24 10:48*	*12/16/24 14:50*	*1*
Dibromofluoromethane (Surr)	*97*		*70 - 130*	*12/16/24 10:48*	*12/16/24 14:50*	*1*

Method: SW846 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 16:01	1
Acenaphthylene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 16:01	1
1-Methylnaphthalene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 16:01	1
Anthracene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 16:01	1
Benzo[a]anthracene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 16:01	1
Benzo[a]pyrene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 16:01	1
Benzo[b]fluoranthene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 16:01	1
Benzo[g,h,i]perylene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 16:01	1
Benzo[k]fluoranthene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 16:01	1
Chrysene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 16:01	1
Dibenz(a,h)anthracene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 16:01	1
Fluoranthene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 16:01	1
Fluorene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 16:01	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-3-4.0
Date Collected: 12/04/24 09:17
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-18
Matrix: Solid
Percent Solids: 85.3

Method: SW846 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 16:01	1
2-Methylnaphthalene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 16:01	1
Naphthalene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 16:01	1
Phenanthrene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 16:01	1
Pyrene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*88*		*30 - 130*	*12/13/24 11:09*	*12/17/24 16:01*	*1*
2-Fluorobiphenyl (Surr)	*77*		*30 - 130*	*12/13/24 11:09*	*12/17/24 16:01*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.8	0.56	ug/Kg	☼	12/12/24 16:01	12/18/24 20:39	1
beta-BHC	ND		5.8	0.76	ug/Kg	☼	12/12/24 16:01	12/18/24 20:39	1
delta-BHC	ND		5.8	0.96	ug/Kg	☼	12/12/24 16:01	12/18/24 20:39	1
gamma-BHC (Lindane)	ND		2.3	0.52	ug/Kg	☼	12/12/24 16:01	12/18/24 20:39	1
Heptachlor	ND		5.8	0.71	ug/Kg	☼	12/12/24 16:01	12/18/24 20:39	1
Aldrin	ND		5.8	0.55	ug/Kg	☼	12/12/24 16:01	12/18/24 20:39	1
Heptachlor epoxide	ND		5.8	0.60	ug/Kg	☼	12/12/24 16:01	12/18/24 20:39	1
Endosulfan I	ND		5.8	0.60	ug/Kg	☼	12/12/24 16:01	12/18/24 20:39	1
Dieldrin	ND		5.8	0.64	ug/Kg	☼	12/12/24 16:01	12/18/24 20:39	1
4,4'-DDE	ND		9.3	0.77	ug/Kg	☼	12/12/24 16:01	12/18/24 20:39	1
Endrin	ND		9.3	0.83	ug/Kg	☼	12/12/24 16:01	12/18/24 20:39	1
Endosulfan II	ND		9.3	0.60	ug/Kg	☼	12/12/24 16:01	12/18/24 20:39	1
4,4'-DDD	ND		9.3	1.3	ug/Kg	☼	12/12/24 16:01	12/18/24 20:39	1
Endosulfan sulfate	ND		9.3	0.62	ug/Kg	☼	12/12/24 16:01	12/18/24 20:39	1
4,4'-DDT	ND		9.3	1.5	ug/Kg	☼	12/12/24 16:01	12/18/24 20:39	1
Methoxychlor	ND		9.3	1.8	ug/Kg	☼	12/12/24 16:01	12/18/24 20:39	1
Endrin ketone	ND		9.3	0.65	ug/Kg	☼	12/12/24 16:01	12/18/24 20:39	1
Endrin aldehyde	ND		9.3	1.1	ug/Kg	☼	12/12/24 16:01	12/18/24 20:39	1
cis-Chlordane	ND		5.8	0.57	ug/Kg	☼	12/12/24 16:01	12/18/24 20:39	1
trans-Chlordane	ND		5.8	0.84	ug/Kg	☼	12/12/24 16:01	12/18/24 20:39	1
Toxaphene	ND		120	82	ug/Kg	☼	12/12/24 16:01	12/18/24 20:39	1
Alachlor	ND		5.8	1.7	ug/Kg	☼	12/12/24 16:01	12/18/24 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*86*		*30 - 150*	*12/12/24 16:01*	*12/18/24 20:39*	*1*
Tetrachloro-m-xylene	*92*		*30 - 150*	*12/12/24 16:01*	*12/18/24 20:39*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*30 - 150*	*12/12/24 16:01*	*12/18/24 20:39*	*1*
DCB Decachlorobiphenyl (Surr)	*78*		*30 - 150*	*12/12/24 16:01*	*12/18/24 20:39*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.93**	**J**	9.4	0.70	mg/Kg	☼	12/11/24 07:59	12/12/24 18:16	2
Arsenic	**3.3**		2.8	0.36	mg/Kg	☼	12/11/24 07:59	12/12/24 18:16	2
Beryllium	**0.12**	**J**	0.94	0.047	mg/Kg	☼	12/11/24 07:59	12/12/24 18:16	2
Barium	**7.0**	**B**	1.9	0.22	mg/Kg	☼	12/11/24 07:59	12/12/24 18:16	2
Cadmium	**0.30**	**J**	0.94	0.049	mg/Kg	☼	12/11/24 07:59	12/12/24 18:16	2
Chromium	**13**		1.9	0.25	mg/Kg	☼	12/11/24 07:59	12/12/24 18:16	2
Copper	**8.0**		1.9	0.45	mg/Kg	☼	12/11/24 07:59	12/12/24 18:16	2

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-3-4.0
Date Collected: 12/04/24 09:17
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-18
Matrix: Solid
Percent Solids: 85.3

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**4.9**		2.8	0.40	mg/Kg	☼	12/11/24 07:59	12/12/24 18:16	2
Nickel	**15**		1.9	0.22	mg/Kg	☼	12/11/24 07:59	12/12/24 18:16	2
Selenium	ND		2.8	0.54	mg/Kg	☼	12/11/24 07:59	12/12/24 18:16	2
Silver	ND		2.8	0.30	mg/Kg	☼	12/11/24 07:59	12/12/24 18:16	2
Thallium	ND		5.6	2.1	mg/Kg	☼	12/11/24 07:59	12/12/24 18:16	2
Zinc	**16**		5.6	1.5	mg/Kg	☼	12/11/24 07:59	12/12/24 18:16	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.015**	**J**	0.053	0.0089	mg/Kg	☼	12/16/24 11:19	12/16/24 15:58	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-4-2.0
Date Collected: 12/04/24 09:44
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-19
Matrix: Solid
Percent Solids: 82.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		58	32	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Acetone	ND		580	73	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Acrylonitrile	ND		58	21	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Benzene	ND		58	9.2	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Bromobenzene	ND		58	13	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Bromochloromethane	ND		58	8.2	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Bromodichloromethane	ND		58	15	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Bromoform	ND		58	12	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Bromomethane	ND		120	28	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
2-Butanone (MEK)	ND		120	26	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
n-Butylbenzene	ND		58	23	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
sec-Butylbenzene	ND		58	18	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
tert-Butylbenzene	ND		58	23	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Carbon disulfide	ND		120	21	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Carbon tetrachloride	ND		58	17	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Chlorobenzene	ND		58	7.0	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Chloroethane	ND		120	26	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Chloroform	ND		58	6.8	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Chloromethane	ND		120	68	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
2-Chlorotoluene	ND		58	14	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
4-Chlorotoluene	ND		58	10	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
1,2-Dibromo-3-Chloropropane	ND		120	23	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Dibromochloromethane	ND		58	9.1	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
1,2-Dibromoethane (EDB)	ND		58	16	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Dibromomethane	ND		58	11	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
1,2-Dichlorobenzene	ND		58	10	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
1,3-Dichlorobenzene	ND		58	14	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
1,4-Dichlorobenzene	ND		58	10	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Dichlorodifluoromethane (Freon 12)	ND		120	75	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
1,1-Dichloroethane	ND		58	13	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
1,2-Dichloroethane	ND		58	15	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
1,1-Dichloroethene	ND		58	15	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
cis-1,2-Dichloroethene	ND		58	19	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
trans-1,2-Dichloroethene	ND		58	13	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
1,2-Dichloropropane	ND		58	20	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
1,3-Dichloropropane	ND		58	18	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
2,2-Dichloropropane	ND		58	15	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
1,1-Dichloropropene	ND		58	18	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
cis-1,3-Dichloropropene	ND		58	14	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
trans-1,3-Dichloropropene	ND		58	23	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Ethylbenzene	ND		58	12	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Hexachlorobutadiene	ND		58	18	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
2-Hexanone (MBK)	ND		120	38	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Isopropylbenzene	ND		58	21	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
4-Isopropyltoluene	ND		58	16	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Methyl tert-butyl ether	ND		58	17	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
4-Methyl-2-pentanone (MIBK)	ND		120	41	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Methylene Chloride	ND		120	49	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Naphthalene	ND		120	17	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-4-2.0
Date Collected: 12/04/24 09:44
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-19
Matrix: Solid
Percent Solids: 82.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		58	14	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Styrene	ND		58	7.6	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
1,1,1,2-Tetrachloroethane	ND		58	14	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
1,1,2,2-Tetrachloroethane	ND		58	18	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Tetrachloroethene	ND		58	18	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Toluene	ND		58	9.3	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
1,2,3-Trichlorobenzene	ND		58	13	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
1,2,4-Trichlorobenzene	ND		58	9.5	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
1,3,5-Trichlorobenzene	ND		58	9.1	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
1,1,1-Trichloroethane	ND		58	14	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
1,1,2-Trichloroethane	ND		58	18	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Trichloroethene	ND		58	9.8	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Trichlorofluoromethane (Freon 11)	ND		58	26	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
1,2,3-Trichloropropane	ND		58	27	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
1,2,4-Trimethylbenzene	ND		58	15	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
1,3,5-Trimethylbenzene	ND		58	12	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Vinyl chloride	ND		58	28	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
m,p-Xylene	ND		58	34	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
o-Xylene	ND		58	18	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Tetrahydrofuran	ND		120	42	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Ethyl ether	ND		58	16	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Tert-amyl methyl ether	ND		58	32	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Ethyl tert-butyl ether	ND		58	16	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
di-Isopropyl ether	ND		58	19	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
tert-Butanol	ND		1200	820	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
1,4-Dioxane	ND		1200	340	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
trans-1,4-Dichloro-2-butene	ND		290	38	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1
Ethanol	ND		12000	990	ug/Kg	☼	12/16/24 10:48	12/16/24 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*12/16/24 10:48*	*12/16/24 15:15*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*12/16/24 10:48*	*12/16/24 15:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*	*12/16/24 10:48*	*12/16/24 15:15*	*1*
Dibromofluoromethane (Surr)	*96*		*70 - 130*	*12/16/24 10:48*	*12/16/24 15:15*	*1*

Method: SW846 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 16:29	1
Acenaphthylene	**12**	**J**	19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 16:29	1
1-Methylnaphthalene	ND		19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 16:29	1
Anthracene	**12**	**J**	19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 16:29	1
Benzo[a]anthracene	**37**		19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 16:29	1
Benzo[a]pyrene	**43**		19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 16:29	1
Benzo[b]fluoranthene	**57**		19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 16:29	1
Benzo[g,h,i]perylene	**31**		19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 16:29	1
Benzo[k]fluoranthene	**40**		19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 16:29	1
Chrysene	**43**		19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 16:29	1
Dibenz(a,h)anthracene	**14**	**J**	19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 16:29	1
Fluoranthene	**60**		19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 16:29	1
Fluorene	ND		19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 16:29	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-4-2.0
Date Collected: 12/04/24 09:44
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-19
Matrix: Solid
Percent Solids: 82.6

Method: SW846 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**31**		19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 16:29	1
2-Methylnaphthalene	ND		19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 16:29	1
Naphthalene	ND		19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 16:29	1
Phenanthrene	**12**	**J**	19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 16:29	1
Pyrene	**59**		19	7.8	ug/Kg	☼	12/13/24 11:09	12/17/24 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*94*		*30 - 130*	*12/13/24 11:09*	*12/17/24 16:29*	*1*
2-Fluorobiphenyl (Surr)	*84*		*30 - 130*	*12/13/24 11:09*	*12/17/24 16:29*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.8	0.56	ug/Kg	☼	12/12/24 16:01	12/18/24 20:55	1
beta-BHC	ND		5.8	0.76	ug/Kg	☼	12/12/24 16:01	12/18/24 20:55	1
delta-BHC	ND		5.8	0.97	ug/Kg	☼	12/12/24 16:01	12/18/24 20:55	1
gamma-BHC (Lindane)	ND		2.3	0.52	ug/Kg	☼	12/12/24 16:01	12/18/24 20:55	1
Heptachlor	ND		5.8	0.71	ug/Kg	☼	12/12/24 16:01	12/18/24 20:55	1
Aldrin	ND		5.8	0.55	ug/Kg	☼	12/12/24 16:01	12/18/24 20:55	1
Heptachlor epoxide	ND		5.8	0.61	ug/Kg	☼	12/12/24 16:01	12/18/24 20:55	1
Endosulfan I	ND		5.8	0.61	ug/Kg	☼	12/12/24 16:01	12/18/24 20:55	1
Dieldrin	ND		5.8	0.64	ug/Kg	☼	12/12/24 16:01	12/18/24 20:55	1
4,4'-DDE	ND		9.3	0.77	ug/Kg	☼	12/12/24 16:01	12/18/24 20:55	1
Endrin	ND		9.3	0.83	ug/Kg	☼	12/12/24 16:01	12/18/24 20:55	1
Endosulfan II	ND		9.3	0.61	ug/Kg	☼	12/12/24 16:01	12/18/24 20:55	1
4,4'-DDD	ND		9.3	1.3	ug/Kg	☼	12/12/24 16:01	12/18/24 20:55	1
Endosulfan sulfate	ND		9.3	0.62	ug/Kg	☼	12/12/24 16:01	12/18/24 20:55	1
4,4'-DDT	ND		9.3	1.5	ug/Kg	☼	12/12/24 16:01	12/18/24 20:55	1
Methoxychlor	ND		9.3	1.8	ug/Kg	☼	12/12/24 16:01	12/18/24 20:55	1
Endrin ketone	ND		9.3	0.65	ug/Kg	☼	12/12/24 16:01	12/18/24 20:55	1
Endrin aldehyde	ND		9.3	1.1	ug/Kg	☼	12/12/24 16:01	12/18/24 20:55	1
cis-Chlordane	**1.2**	**J p**	5.8	0.57	ug/Kg	☼	12/12/24 16:01	12/18/24 20:55	1
trans-Chlordane	**1.2**	**J**	5.8	0.84	ug/Kg	☼	12/12/24 16:01	12/18/24 20:55	1
Toxaphene	ND		120	82	ug/Kg	☼	12/12/24 16:01	12/18/24 20:55	1
Alachlor	ND		5.8	1.7	ug/Kg	☼	12/12/24 16:01	12/18/24 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*30 - 150*	*12/12/24 16:01*	*12/18/24 20:55*	*1*
Tetrachloro-m-xylene	*89*		*30 - 150*	*12/12/24 16:01*	*12/18/24 20:55*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*30 - 150*	*12/12/24 16:01*	*12/18/24 20:55*	*1*
DCB Decachlorobiphenyl (Surr)	*71*		*30 - 150*	*12/12/24 16:01*	*12/18/24 20:55*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		9.7	0.73	mg/Kg	☼	12/11/24 07:59	12/12/24 18:23	2
Arsenic	**3.7**		2.9	0.37	mg/Kg	☼	12/11/24 07:59	12/12/24 18:23	2
Beryllium	**0.16**	**J**	0.97	0.049	mg/Kg	☼	12/11/24 07:59	12/12/24 18:23	2
Barium	**15**	**B**	1.9	0.23	mg/Kg	☼	12/11/24 07:59	12/12/24 18:23	2
Cadmium	**0.30**	**J**	0.97	0.051	mg/Kg	☼	12/11/24 07:59	12/12/24 18:23	2
Chromium	**16**		1.9	0.26	mg/Kg	☼	12/11/24 07:59	12/12/24 18:23	2
Copper	**9.6**		1.9	0.47	mg/Kg	☼	12/11/24 07:59	12/12/24 18:23	2

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-4-2.0
Date Collected: 12/04/24 09:44
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-19
Matrix: Solid
Percent Solids: 82.6

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		2.9	0.41	mg/Kg	☼	12/11/24 07:59	12/12/24 18:23	2
Nickel	26		1.9	0.22	mg/Kg	☼	12/11/24 07:59	12/12/24 18:23	2
Selenium	ND		2.9	0.56	mg/Kg	☼	12/11/24 07:59	12/12/24 18:23	2
Silver	ND		2.9	0.32	mg/Kg	☼	12/11/24 07:59	12/12/24 18:23	2
Thallium	ND		5.8	2.2	mg/Kg	☼	12/11/24 07:59	12/12/24 18:23	2
Zinc	30		5.8	1.5	mg/Kg	☼	12/11/24 07:59	12/12/24 18:23	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.051		0.047	0.0078	mg/Kg	☼	12/16/24 11:19	12/16/24 16:00	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-4-4.0
Date Collected: 12/04/24 10:01
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-20
Matrix: Solid
Percent Solids: 86.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		72	40	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Acetone	ND		720	91	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Acrylonitrile	ND		72	26	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Benzene	ND		72	12	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Bromobenzene	ND		72	16	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Bromochloromethane	ND		72	10	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Bromodichloromethane	ND		72	19	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Bromoform	ND		72	15	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Bromomethane	ND		140	36	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
2-Butanone (MEK)	ND		140	33	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
n-Butylbenzene	ND		72	29	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
sec-Butylbenzene	ND		72	22	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
tert-Butylbenzene	ND		72	30	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Carbon disulfide	ND		140	27	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Carbon tetrachloride	ND		72	22	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Chlorobenzene	ND		72	8.8	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Chloroethane	ND		140	32	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Chloroform	ND		72	8.5	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Chloromethane	ND		140	86	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
2-Chlorotoluene	ND		72	18	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
4-Chlorotoluene	ND		72	13	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
1,2-Dibromo-3-Chloropropane	ND		140	29	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Dibromochloromethane	ND		72	11	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
1,2-Dibromoethane (EDB)	ND		72	20	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Dibromomethane	ND		72	14	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
1,2-Dichlorobenzene	ND		72	13	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
1,3-Dichlorobenzene	ND		72	18	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
1,4-Dichlorobenzene	ND		72	13	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Dichlorodifluoromethane (Freon 12)	ND		140	95	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
1,1-Dichloroethane	ND		72	17	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
1,2-Dichloroethane	ND		72	19	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
1,1-Dichloroethene	ND		72	19	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
cis-1,2-Dichloroethene	ND		72	24	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
trans-1,2-Dichloroethene	ND		72	17	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
1,2-Dichloropropane	ND		72	25	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
1,3-Dichloropropane	ND		72	23	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
2,2-Dichloropropane	ND		72	19	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
1,1-Dichloropropene	ND		72	22	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
cis-1,3-Dichloropropene	ND		72	17	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
trans-1,3-Dichloropropene	ND		72	29	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Ethylbenzene	ND		72	15	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Hexachlorobutadiene	ND		72	23	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
2-Hexanone (MBK)	ND		140	48	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Isopropylbenzene	ND		72	26	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
4-Isopropyltoluene	ND		72	20	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Methyl tert-butyl ether	ND		72	22	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
4-Methyl-2-pentanone (MIBK)	ND		140	52	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Methylene Chloride	ND		140	62	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Naphthalene	ND		140	21	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-4-4.0
Date Collected: 12/04/24 10:01
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-20
Matrix: Solid
Percent Solids: 86.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		72	18	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Styrene	ND		72	9.6	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
1,1,1,2-Tetrachloroethane	ND		72	17	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
1,1,2,2-Tetrachloroethane	ND		72	23	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Tetrachloroethene	ND		72	23	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Toluene	ND		72	12	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
1,2,3-Trichlorobenzene	ND		72	17	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
1,2,4-Trichlorobenzene	ND		72	12	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
1,3,5-Trichlorobenzene	ND		72	11	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
1,1,1-Trichloroethane	ND		72	18	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
1,1,2-Trichloroethane	ND		72	22	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Trichloroethene	ND		72	12	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Trichlorofluoromethane (Freon 11)	ND		72	33	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
1,2,3-Trichloropropane	ND		72	33	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
1,2,4-Trimethylbenzene	ND		72	18	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
1,3,5-Trimethylbenzene	ND		72	15	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Vinyl chloride	ND		72	36	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
m,p-Xylene	ND		72	43	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
o-Xylene	ND		72	22	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Tetrahydrofuran	ND		140	53	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Ethyl ether	ND		72	20	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Tert-amyl methyl ether	ND		72	40	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Ethyl tert-butyl ether	ND		72	20	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
di-Isopropyl ether	ND		72	23	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
tert-Butanol	ND		1400	1000	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
1,4-Dioxane	ND		1400	430	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
trans-1,4-Dichloro-2-butene	ND		360	48	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1
Ethanol	ND		14000	1200	ug/Kg	☼	12/16/24 10:48	12/16/24 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*12/16/24 10:48*	*12/16/24 15:40*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*	*12/16/24 10:48*	*12/16/24 15:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*	*12/16/24 10:48*	*12/16/24 15:40*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*	*12/16/24 10:48*	*12/16/24 15:40*	*1*

Method: SW846 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		18	7.4	ug/Kg	☼	12/13/24 11:09	12/17/24 16:56	1
Acenaphthylene	ND		18	7.4	ug/Kg	☼	12/13/24 11:09	12/17/24 16:56	1
1-Methylnaphthalene	ND		18	7.4	ug/Kg	☼	12/13/24 11:09	12/17/24 16:56	1
Anthracene	ND		18	7.4	ug/Kg	☼	12/13/24 11:09	12/17/24 16:56	1
Benzo[a]anthracene	ND		18	7.4	ug/Kg	☼	12/13/24 11:09	12/17/24 16:56	1
Benzo[a]pyrene	**9.4**	**J**	18	7.4	ug/Kg	☼	12/13/24 11:09	12/17/24 16:56	1
Benzo[b]fluoranthene	ND		18	7.4	ug/Kg	☼	12/13/24 11:09	12/17/24 16:56	1
Benzo[g,h,i]perylene	ND		18	7.4	ug/Kg	☼	12/13/24 11:09	12/17/24 16:56	1
Benzo[k]fluoranthene	ND		18	7.4	ug/Kg	☼	12/13/24 11:09	12/17/24 16:56	1
Chrysene	ND		18	7.4	ug/Kg	☼	12/13/24 11:09	12/17/24 16:56	1
Dibenz(a,h)anthracene	ND		18	7.4	ug/Kg	☼	12/13/24 11:09	12/17/24 16:56	1
Fluoranthene	ND		18	7.4	ug/Kg	☼	12/13/24 11:09	12/17/24 16:56	1
Fluorene	ND		18	7.4	ug/Kg	☼	12/13/24 11:09	12/17/24 16:56	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-4-4.0
Date Collected: 12/04/24 10:01
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-20
Matrix: Solid
Percent Solids: 86.7

Method: SW846 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		18	7.4	ug/Kg	☼	12/13/24 11:09	12/17/24 16:56	1
2-Methylnaphthalene	ND		18	7.4	ug/Kg	☼	12/13/24 11:09	12/17/24 16:56	1
Naphthalene	ND		18	7.4	ug/Kg	☼	12/13/24 11:09	12/17/24 16:56	1
Phenanthrene	ND		18	7.4	ug/Kg	☼	12/13/24 11:09	12/17/24 16:56	1
Pyrene	ND		18	7.4	ug/Kg	☼	12/13/24 11:09	12/17/24 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*91*		*30 - 130*	*12/13/24 11:09*	*12/17/24 16:56*	*1*
2-Fluorobiphenyl (Surr)	*79*		*30 - 130*	*12/13/24 11:09*	*12/17/24 16:56*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.6	0.54	ug/Kg	☼	12/12/24 16:01	12/18/24 21:11	1
beta-BHC	ND		5.6	0.73	ug/Kg	☼	12/12/24 16:01	12/18/24 21:11	1
delta-BHC	ND		5.6	0.93	ug/Kg	☼	12/12/24 16:01	12/18/24 21:11	1
gamma-BHC (Lindane)	ND		2.2	0.50	ug/Kg	☼	12/12/24 16:01	12/18/24 21:11	1
Heptachlor	ND		5.6	0.68	ug/Kg	☼	12/12/24 16:01	12/18/24 21:11	1
Aldrin	ND		5.6	0.53	ug/Kg	☼	12/12/24 16:01	12/18/24 21:11	1
Heptachlor epoxide	ND		5.6	0.58	ug/Kg	☼	12/12/24 16:01	12/18/24 21:11	1
Endosulfan I	ND		5.6	0.58	ug/Kg	☼	12/12/24 16:01	12/18/24 21:11	1
Dieldrin	ND		5.6	0.62	ug/Kg	☼	12/12/24 16:01	12/18/24 21:11	1
4,4'-DDE	ND		9.0	0.74	ug/Kg	☼	12/12/24 16:01	12/18/24 21:11	1
Endrin	ND		9.0	0.80	ug/Kg	☼	12/12/24 16:01	12/18/24 21:11	1
Endosulfan II	ND		9.0	0.58	ug/Kg	☼	12/12/24 16:01	12/18/24 21:11	1
4,4'-DDD	ND		9.0	1.3	ug/Kg	☼	12/12/24 16:01	12/18/24 21:11	1
Endosulfan sulfate	ND		9.0	0.59	ug/Kg	☼	12/12/24 16:01	12/18/24 21:11	1
4,4'-DDT	ND		9.0	1.5	ug/Kg	☼	12/12/24 16:01	12/18/24 21:11	1
Methoxychlor	ND		9.0	1.7	ug/Kg	☼	12/12/24 16:01	12/18/24 21:11	1
Endrin ketone	ND		9.0	0.63	ug/Kg	☼	12/12/24 16:01	12/18/24 21:11	1
Endrin aldehyde	ND		9.0	1.0	ug/Kg	☼	12/12/24 16:01	12/18/24 21:11	1
cis-Chlordane	ND		5.6	0.55	ug/Kg	☼	12/12/24 16:01	12/18/24 21:11	1
trans-Chlordane	ND		5.6	0.81	ug/Kg	☼	12/12/24 16:01	12/18/24 21:11	1
Toxaphene	ND		110	79	ug/Kg	☼	12/12/24 16:01	12/18/24 21:11	1
Alachlor	ND		5.6	1.6	ug/Kg	☼	12/12/24 16:01	12/18/24 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*30 - 150*	*12/12/24 16:01*	*12/18/24 21:11*	*1*
Tetrachloro-m-xylene	*95*		*30 - 150*	*12/12/24 16:01*	*12/18/24 21:11*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*30 - 150*	*12/12/24 16:01*	*12/18/24 21:11*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*30 - 150*	*12/12/24 16:01*	*12/18/24 21:11*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.1**	**J**	7.9	0.59	mg/Kg	☼	12/11/24 07:59	12/12/24 18:29	2
Arsenic	**3.9**		2.4	0.30	mg/Kg	☼	12/11/24 07:59	12/12/24 18:29	2
Beryllium	**0.12**	**J**	0.79	0.039	mg/Kg	☼	12/11/24 07:59	12/12/24 18:29	2
Barium	**12**	**B**	1.6	0.19	mg/Kg	☼	12/11/24 07:59	12/12/24 18:29	2
Cadmium	**0.27**	**J**	0.79	0.041	mg/Kg	☼	12/11/24 07:59	12/12/24 18:29	2
Chromium	**23**		1.6	0.21	mg/Kg	☼	12/11/24 07:59	12/12/24 18:29	2
Copper	**10**		1.6	0.38	mg/Kg	☼	12/11/24 07:59	12/12/24 18:29	2

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-4-4.0
Date Collected: 12/04/24 10:01
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-20
Matrix: Solid
Percent Solids: 86.7

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**4.5**		2.4	0.33	mg/Kg	☼	12/11/24 07:59	12/12/24 18:29	2
Nickel	**33**		1.6	0.18	mg/Kg	☼	12/11/24 07:59	12/12/24 18:29	2
Selenium	ND		2.4	0.45	mg/Kg	☼	12/11/24 07:59	12/12/24 18:29	2
Silver	ND		2.4	0.25	mg/Kg	☼	12/11/24 07:59	12/12/24 18:29	2
Thallium	ND		4.7	1.7	mg/Kg	☼	12/11/24 07:59	12/12/24 18:29	2
Zinc	**23**		4.7	1.2	mg/Kg	☼	12/11/24 07:59	12/12/24 18:29	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.031**	**J**	0.053	0.0088	mg/Kg	☼	12/16/24 11:19	12/16/24 16:02	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-2-2.0
Date Collected: 12/04/24 10:48
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-21
Matrix: Solid
Percent Solids: 86.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		70	38	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Acetone	ND		700	88	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Acrylonitrile	ND		70	25	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Benzene	ND		70	11	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Bromobenzene	ND		70	16	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Bromochloromethane	ND		70	9.9	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Bromodichloromethane	ND		70	18	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Bromoform	ND		70	15	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Bromomethane	ND		140	34	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
2-Butanone (MEK)	ND		140	32	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
n-Butylbenzene	ND		70	28	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
sec-Butylbenzene	ND		70	21	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
tert-Butylbenzene	ND		70	28	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Carbon disulfide	ND		140	26	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Carbon tetrachloride	ND		70	21	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Chlorobenzene	ND		70	8.4	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Chloroethane	ND		140	31	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Chloroform	ND		70	8.2	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Chloromethane	ND		140	83	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
2-Chlorotoluene	ND		70	17	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
4-Chlorotoluene	ND		70	13	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
1,2-Dibromo-3-Chloropropane	ND		140	27	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Dibromochloromethane	ND		70	11	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
1,2-Dibromoethane (EDB)	ND		70	19	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Dibromomethane	ND		70	13	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
1,2-Dichlorobenzene	ND		70	13	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
1,3-Dichlorobenzene	ND		70	17	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
1,4-Dichlorobenzene	ND		70	12	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Dichlorodifluoromethane (Freon 12)	ND		140	91	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
1,1-Dichloroethane	ND		70	16	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
1,2-Dichloroethane	ND		70	18	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
1,1-Dichloroethene	ND		70	18	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
cis-1,2-Dichloroethene	ND		70	23	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
trans-1,2-Dichloroethene	ND		70	16	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
1,2-Dichloropropane	ND		70	24	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
1,3-Dichloropropane	ND		70	22	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
2,2-Dichloropropane	ND		70	18	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
1,1-Dichloropropene	ND		70	21	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
cis-1,3-Dichloropropene	ND		70	16	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
trans-1,3-Dichloropropene	ND		70	28	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Ethylbenzene	ND		70	15	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Hexachlorobutadiene	ND		70	22	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
2-Hexanone (MBK)	ND		140	46	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Isopropylbenzene	ND		70	25	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
4-Isopropyltoluene	ND		70	19	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Methyl tert-butyl ether	ND		70	21	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
4-Methyl-2-pentanone (MIBK)	ND		140	50	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Methylene Chloride	ND		140	59	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Naphthalene	ND		140	20	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-2-2.0
Date Collected: 12/04/24 10:48
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-21
Matrix: Solid
Percent Solids: 86.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		70	17	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Styrene	ND		70	9.2	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
1,1,1,2-Tetrachloroethane	ND		70	17	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
1,1,2,2-Tetrachloroethane	ND		70	22	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Tetrachloroethene	ND		70	22	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Toluene	ND		70	11	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
1,2,3-Trichlorobenzene	ND		70	16	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
1,2,4-Trichlorobenzene	ND		70	11	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
1,3,5-Trichlorobenzene	ND		70	11	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
1,1,1-Trichloroethane	ND		70	17	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
1,1,2-Trichloroethane	ND		70	21	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Trichloroethene	ND		70	12	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Trichlorofluoromethane (Freon 11)	ND		70	31	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
1,2,3-Trichloropropane	ND		70	32	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
1,2,4-Trimethylbenzene	ND		70	18	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
1,3,5-Trimethylbenzene	ND		70	15	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Vinyl chloride	ND		70	34	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
m,p-Xylene	ND		70	41	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
o-Xylene	ND		70	21	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Tetrahydrofuran	ND		140	51	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Ethyl ether	ND		70	19	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Tert-amyl methyl ether	ND		70	38	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Ethyl tert-butyl ether	ND		70	19	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
di-Isopropyl ether	ND		70	22	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
tert-Butanol	ND		1400	990	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
1,4-Dioxane	ND		1400	410	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
trans-1,4-Dichloro-2-butene	ND		350	46	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1
Ethanol	ND		14000	1200	ug/Kg	☼	12/16/24 10:48	12/16/24 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*12/16/24 10:48*	*12/16/24 16:05*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*	*12/16/24 10:48*	*12/16/24 16:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 130*	*12/16/24 10:48*	*12/16/24 16:05*	*1*
Dibromofluoromethane (Surr)	*99*		*70 - 130*	*12/16/24 10:48*	*12/16/24 16:05*	*1*

Method: SW846 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 17:24	1
Acenaphthylene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 17:24	1
1-Methylnaphthalene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 17:24	1
Anthracene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 17:24	1
Benzo[a]anthracene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 17:24	1
Benzo[a]pyrene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 17:24	1
Benzo[b]fluoranthene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 17:24	1
Benzo[g,h,i]perylene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 17:24	1
Benzo[k]fluoranthene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 17:24	1
Chrysene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 17:24	1
Dibenz(a,h)anthracene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 17:24	1
Fluoranthene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 17:24	1
Fluorene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 17:24	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-2-2.0
Date Collected: 12/04/24 10:48
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-21
Matrix: Solid
Percent Solids: 86.2

Method: SW846 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 17:24	1
2-Methylnaphthalene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 17:24	1
Naphthalene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 17:24	1
Phenanthrene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 17:24	1
Pyrene	ND		18	7.5	ug/Kg	☼	12/13/24 11:09	12/17/24 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*77*		*30 - 130*	*12/13/24 11:09*	*12/17/24 17:24*	*1*
2-Fluorobiphenyl (Surr)	*68*		*30 - 130*	*12/13/24 11:09*	*12/17/24 17:24*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.5	0.53	ug/Kg	☼	12/12/24 16:01	12/19/24 13:22	1
beta-BHC	ND		5.5	0.72	ug/Kg	☼	12/12/24 16:01	12/19/24 13:22	1
delta-BHC	ND		5.5	0.92	ug/Kg	☼	12/12/24 16:01	12/19/24 13:22	1
gamma-BHC (Lindane)	ND		2.2	0.50	ug/Kg	☼	12/12/24 16:01	12/19/24 13:22	1
Heptachlor	ND		5.5	0.68	ug/Kg	☼	12/12/24 16:01	12/19/24 13:22	1
Aldrin	ND		5.5	0.52	ug/Kg	☼	12/12/24 16:01	12/19/24 13:22	1
Heptachlor epoxide	ND		5.5	0.58	ug/Kg	☼	12/12/24 16:01	12/19/24 13:22	1
Endosulfan I	ND		5.5	0.58	ug/Kg	☼	12/12/24 16:01	12/19/24 13:22	1
Dieldrin	ND		5.5	0.61	ug/Kg	☼	12/12/24 16:01	12/19/24 13:22	1
4,4'-DDE	ND		8.9	0.73	ug/Kg	☼	12/12/24 16:01	12/19/24 13:22	1
Endrin	ND		8.9	0.79	ug/Kg	☼	12/12/24 16:01	12/19/24 13:22	1
Endosulfan II	ND		8.9	0.58	ug/Kg	☼	12/12/24 16:01	12/19/24 13:22	1
4,4'-DDD	ND		8.9	1.3	ug/Kg	☼	12/12/24 16:01	12/19/24 13:22	1
Endosulfan sulfate	ND		8.9	0.59	ug/Kg	☼	12/12/24 16:01	12/19/24 13:22	1
4,4'-DDT	ND		8.9	1.5	ug/Kg	☼	12/12/24 16:01	12/19/24 13:22	1
Methoxychlor	ND		8.9	1.7	ug/Kg	☼	12/12/24 16:01	12/19/24 13:22	1
Endrin ketone	ND		8.9	0.62	ug/Kg	☼	12/12/24 16:01	12/19/24 13:22	1
Endrin aldehyde	ND		8.9	1.0	ug/Kg	☼	12/12/24 16:01	12/19/24 13:22	1
cis-Chlordane	ND		5.5	0.54	ug/Kg	☼	12/12/24 16:01	12/19/24 13:22	1
trans-Chlordane	ND		5.5	0.80	ug/Kg	☼	12/12/24 16:01	12/19/24 13:22	1
Toxaphene	ND		110	78	ug/Kg	☼	12/12/24 16:01	12/19/24 13:22	1
Alachlor	ND		5.5	1.6	ug/Kg	☼	12/12/24 16:01	12/19/24 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*30 - 150*	*12/12/24 16:01*	*12/19/24 13:22*	*1*
Tetrachloro-m-xylene	*84*		*30 - 150*	*12/12/24 16:01*	*12/19/24 13:22*	*1*
DCB Decachlorobiphenyl (Surr)	*86*		*30 - 150*	*12/12/24 16:01*	*12/19/24 13:22*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*30 - 150*	*12/12/24 16:01*	*12/19/24 13:22*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.81**	**J**	9.3	0.70	mg/Kg	☼	12/11/24 07:59	12/12/24 18:35	2
Arsenic	**3.7**		2.8	0.35	mg/Kg	☼	12/11/24 07:59	12/12/24 18:35	2
Beryllium	**0.11**	**J**	0.93	0.047	mg/Kg	☼	12/11/24 07:59	12/12/24 18:35	2
Barium	**9.5**	**B**	1.9	0.22	mg/Kg	☼	12/11/24 07:59	12/12/24 18:35	2
Cadmium	**0.24**	**J**	0.93	0.048	mg/Kg	☼	12/11/24 07:59	12/12/24 18:35	2
Chromium	**18**		1.9	0.25	mg/Kg	☼	12/11/24 07:59	12/12/24 18:35	2
Copper	**9.0**		1.9	0.45	mg/Kg	☼	12/11/24 07:59	12/12/24 18:35	2

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-2-2.0
Date Collected: 12/04/24 10:48
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-21
Matrix: Solid
Percent Solids: 86.2

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**4.5**		2.8	0.40	mg/Kg	☼	12/11/24 07:59	12/12/24 18:35	2
Nickel	**26**		1.9	0.21	mg/Kg	☼	12/11/24 07:59	12/12/24 18:35	2
Selenium	ND		2.8	0.53	mg/Kg	☼	12/11/24 07:59	12/12/24 18:35	2
Silver	ND		2.8	0.30	mg/Kg	☼	12/11/24 07:59	12/12/24 18:35	2
Thallium	ND		5.6	2.1	mg/Kg	☼	12/11/24 07:59	12/12/24 18:35	2
Zinc	**20**		5.6	1.4	mg/Kg	☼	12/11/24 07:59	12/12/24 18:35	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0087**	**J**	0.051	0.0085	mg/Kg	☼	12/16/24 11:19	12/16/24 16:05	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-2-4.0
Date Collected: 12/04/24 10:54
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-22
Matrix: Solid
Percent Solids: 87.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		60	33	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Acetone	ND		600	76	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Acrylonitrile	ND		60	22	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Benzene	ND		60	9.6	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Bromobenzene	ND		60	14	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Bromochloromethane	ND		60	8.6	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Bromodichloromethane	ND		60	16	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Bromoform	ND		60	13	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Bromomethane	**33**	**J**	120	30	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
2-Butanone (MEK)	ND		120	28	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
n-Butylbenzene	ND		60	24	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
sec-Butylbenzene	ND		60	19	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
tert-Butylbenzene	ND		60	25	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Carbon disulfide	ND		120	22	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Carbon tetrachloride	ND		60	18	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Chlorobenzene	ND		60	7.3	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Chloroethane	ND		120	27	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Chloroform	ND		60	7.1	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Chloromethane	ND		120	72	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
2-Chlorotoluene	ND		60	15	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
4-Chlorotoluene	ND		60	11	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
1,2-Dibromo-3-Chloropropane	ND		120	24	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Dibromochloromethane	ND		60	9.5	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
1,2-Dibromoethane (EDB)	ND		60	16	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Dibromomethane	ND		60	11	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
1,2-Dichlorobenzene	ND		60	11	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
1,3-Dichlorobenzene	ND		60	15	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
1,4-Dichlorobenzene	ND		60	11	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Dichlorodifluoromethane (Freon 12)	ND		120	79	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
1,1-Dichloroethane	ND		60	14	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
1,2-Dichloroethane	ND		60	16	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
1,1-Dichloroethene	ND		60	15	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
cis-1,2-Dichloroethene	ND		60	20	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
trans-1,2-Dichloroethene	ND		60	14	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
1,2-Dichloropropane	ND		60	21	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
1,3-Dichloropropane	ND		60	19	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
2,2-Dichloropropane	ND		60	16	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
1,1-Dichloropropene	ND		60	18	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
cis-1,3-Dichloropropene	ND		60	14	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
trans-1,3-Dichloropropene	ND		60	25	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Ethylbenzene	ND		60	13	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Hexachlorobutadiene	ND		60	19	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
2-Hexanone (MBK)	ND		120	40	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Isopropylbenzene	ND		60	22	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
4-Isopropyltoluene	ND		60	17	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Methyl tert-butyl ether	ND		60	18	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
4-Methyl-2-pentanone (MIBK)	ND		120	43	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Methylene Chloride	ND		120	51	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Naphthalene	ND		120	17	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-2-4.0
Date Collected: 12/04/24 10:54
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-22
Matrix: Solid
Percent Solids: 87.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		60	15	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Styrene	ND		60	8.0	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
1,1,1,2-Tetrachloroethane	ND		60	15	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
1,1,2,2-Tetrachloroethane	ND		60	19	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Tetrachloroethene	ND		60	19	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Toluene	ND		60	9.7	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
1,2,3-Trichlorobenzene	ND		60	14	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
1,2,4-Trichlorobenzene	ND		60	9.9	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
1,3,5-Trichlorobenzene	ND		60	9.5	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
1,1,1-Trichloroethane	ND		60	15	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
1,1,2-Trichloroethane	ND		60	19	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Trichloroethene	ND		60	10	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Trichlorofluoromethane (Freon 11)	ND		60	27	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
1,2,3-Trichloropropane	ND		60	28	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
1,2,4-Trimethylbenzene	ND		60	15	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
1,3,5-Trimethylbenzene	ND		60	13	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Vinyl chloride	ND		60	30	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
m,p-Xylene	ND		60	35	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
o-Xylene	ND		60	19	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Tetrahydrofuran	ND		120	44	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Ethyl ether	ND		60	16	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Tert-amyl methyl ether	ND		60	33	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Ethyl tert-butyl ether	ND		60	17	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
di-Isopropyl ether	ND		60	19	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
tert-Butanol	ND		1200	860	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
1,4-Dioxane	ND		1200	360	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
trans-1,4-Dichloro-2-butene	ND		300	40	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1
Ethanol	ND		12000	1000	ug/Kg	☼	12/16/24 10:48	12/16/24 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*12/16/24 10:48*	*12/16/24 16:30*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*12/16/24 10:48*	*12/16/24 16:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*	*12/16/24 10:48*	*12/16/24 16:30*	*1*
Dibromofluoromethane (Surr)	*95*		*70 - 130*	*12/16/24 10:48*	*12/16/24 16:30*	*1*

Method: SW846 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		18	7.3	ug/Kg	☼	12/13/24 11:09	12/17/24 17:50	1
Acenaphthylene	ND		18	7.3	ug/Kg	☼	12/13/24 11:09	12/17/24 17:50	1
1-Methylnaphthalene	ND		18	7.3	ug/Kg	☼	12/13/24 11:09	12/17/24 17:50	1
Anthracene	ND		18	7.3	ug/Kg	☼	12/13/24 11:09	12/17/24 17:50	1
Benzo[a]anthracene	ND		18	7.3	ug/Kg	☼	12/13/24 11:09	12/17/24 17:50	1
Benzo[a]pyrene	**8.6**	**J**	18	7.3	ug/Kg	☼	12/13/24 11:09	12/17/24 17:50	1
Benzo[b]fluoranthene	ND		18	7.3	ug/Kg	☼	12/13/24 11:09	12/17/24 17:50	1
Benzo[g,h,i]perylene	ND		18	7.3	ug/Kg	☼	12/13/24 11:09	12/17/24 17:50	1
Benzo[k]fluoranthene	ND		18	7.3	ug/Kg	☼	12/13/24 11:09	12/17/24 17:50	1
Chrysene	ND		18	7.3	ug/Kg	☼	12/13/24 11:09	12/17/24 17:50	1
Dibenz(a,h)anthracene	ND		18	7.3	ug/Kg	☼	12/13/24 11:09	12/17/24 17:50	1
Fluoranthene	ND		18	7.3	ug/Kg	☼	12/13/24 11:09	12/17/24 17:50	1
Fluorene	ND		18	7.3	ug/Kg	☼	12/13/24 11:09	12/17/24 17:50	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-2-4.0
Date Collected: 12/04/24 10:54
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-22
Matrix: Solid
Percent Solids: 87.0

Method: SW846 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	ND		18	7.3	ug/Kg	☼	12/13/24 11:09	12/17/24 17:50	1
2-Methylnaphthalene	ND		18	7.3	ug/Kg	☼	12/13/24 11:09	12/17/24 17:50	1
Naphthalene	ND		18	7.3	ug/Kg	☼	12/13/24 11:09	12/17/24 17:50	1
Phenanthrene	ND		18	7.3	ug/Kg	☼	12/13/24 11:09	12/17/24 17:50	1
Pyrene	ND		18	7.3	ug/Kg	☼	12/13/24 11:09	12/17/24 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14 (Surr)	*94*		*30 - 130*	*12/13/24 11:09*	*12/17/24 17:50*	*1*
2-Fluorobiphenyl (Surr)	*82*		*30 - 130*	*12/13/24 11:09*	*12/17/24 17:50*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.5	0.53	ug/Kg	☼	12/12/24 16:01	12/19/24 13:38	1
beta-BHC	ND		5.5	0.72	ug/Kg	☼	12/12/24 16:01	12/19/24 13:38	1
delta-BHC	ND		5.5	0.92	ug/Kg	☼	12/12/24 16:01	12/19/24 13:38	1
gamma-BHC (Lindane)	ND		2.2	0.50	ug/Kg	☼	12/12/24 16:01	12/19/24 13:38	1
Heptachlor	ND		5.5	0.68	ug/Kg	☼	12/12/24 16:01	12/19/24 13:38	1
Aldrin	ND		5.5	0.52	ug/Kg	☼	12/12/24 16:01	12/19/24 13:38	1
Heptachlor epoxide	ND		5.5	0.58	ug/Kg	☼	12/12/24 16:01	12/19/24 13:38	1
Endosulfan I	ND		5.5	0.58	ug/Kg	☼	12/12/24 16:01	12/19/24 13:38	1
Dieldrin	ND		5.5	0.61	ug/Kg	☼	12/12/24 16:01	12/19/24 13:38	1
4,4'-DDE	ND		8.9	0.73	ug/Kg	☼	12/12/24 16:01	12/19/24 13:38	1
Endrin	ND		8.9	0.79	ug/Kg	☼	12/12/24 16:01	12/19/24 13:38	1
Endosulfan II	ND		8.9	0.58	ug/Kg	☼	12/12/24 16:01	12/19/24 13:38	1
4,4'-DDD	ND		8.9	1.3	ug/Kg	☼	12/12/24 16:01	12/19/24 13:38	1
Endosulfan sulfate	ND		8.9	0.59	ug/Kg	☼	12/12/24 16:01	12/19/24 13:38	1
4,4'-DDT	ND		8.9	1.5	ug/Kg	☼	12/12/24 16:01	12/19/24 13:38	1
Methoxychlor	ND		8.9	1.7	ug/Kg	☼	12/12/24 16:01	12/19/24 13:38	1
Endrin ketone	ND		8.9	0.62	ug/Kg	☼	12/12/24 16:01	12/19/24 13:38	1
Endrin aldehyde	ND		8.9	1.0	ug/Kg	☼	12/12/24 16:01	12/19/24 13:38	1
cis-Chlordane	ND		5.5	0.54	ug/Kg	☼	12/12/24 16:01	12/19/24 13:38	1
trans-Chlordane	ND		5.5	0.80	ug/Kg	☼	12/12/24 16:01	12/19/24 13:38	1
Toxaphene	ND		110	78	ug/Kg	☼	12/12/24 16:01	12/19/24 13:38	1
Alachlor	ND		5.5	1.6	ug/Kg	☼	12/12/24 16:01	12/19/24 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*82*		*30 - 150*	*12/12/24 16:01*	*12/19/24 13:38*	*1*
Tetrachloro-m-xylene	*90*		*30 - 150*	*12/12/24 16:01*	*12/19/24 13:38*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*30 - 150*	*12/12/24 16:01*	*12/19/24 13:38*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*30 - 150*	*12/12/24 16:01*	*12/19/24 13:38*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.89**	**J**	7.9	0.60	mg/Kg	☼	12/11/24 07:59	12/12/24 18:42	2
Arsenic	**3.5**		2.4	0.30	mg/Kg	☼	12/11/24 07:59	12/12/24 18:42	2
Beryllium	**0.096**	**J**	0.79	0.040	mg/Kg	☼	12/11/24 07:59	12/12/24 18:42	2
Barium	**10**	**B**	1.6	0.19	mg/Kg	☼	12/11/24 07:59	12/12/24 18:42	2
Cadmium	**0.24**	**J**	0.79	0.041	mg/Kg	☼	12/11/24 07:59	12/12/24 18:42	2
Chromium	**13**		1.6	0.21	mg/Kg	☼	12/11/24 07:59	12/12/24 18:42	2
Copper	**11**		1.6	0.38	mg/Kg	☼	12/11/24 07:59	12/12/24 18:42	2

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-2-4.0
Date Collected: 12/04/24 10:54
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-22
Matrix: Solid
Percent Solids: 87.0

Method: SW846 6010D - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**5.3**		2.4	0.34	mg/Kg	☼	12/11/24 07:59	12/12/24 18:42	2
Nickel	**21**		1.6	0.18	mg/Kg	☼	12/11/24 07:59	12/12/24 18:42	2
Selenium	ND		2.4	0.45	mg/Kg	☼	12/11/24 07:59	12/12/24 18:42	2
Silver	ND		2.4	0.26	mg/Kg	☼	12/11/24 07:59	12/12/24 18:42	2
Thallium	ND		4.8	1.7	mg/Kg	☼	12/11/24 07:59	12/12/24 18:42	2
Zinc	**23**		4.8	1.2	mg/Kg	☼	12/11/24 07:59	12/12/24 18:42	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.015**	**J**	0.048	0.0081	mg/Kg	☼	12/16/24 11:19	12/16/24 16:07	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-6-2.0
Date Collected: 12/04/24 12:32
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-23
Matrix: Solid
Percent Solids: 87.0

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.7	0.54	ug/Kg	☼	12/12/24 16:01	12/19/24 13:54	1
beta-BHC	ND		5.7	0.74	ug/Kg	☼	12/12/24 16:01	12/19/24 13:54	1
delta-BHC	ND		5.7	0.94	ug/Kg	☼	12/12/24 16:01	12/19/24 13:54	1
gamma-BHC (Lindane)	ND		2.3	0.51	ug/Kg	☼	12/12/24 16:01	12/19/24 13:54	1
Heptachlor	ND		5.7	0.69	ug/Kg	☼	12/12/24 16:01	12/19/24 13:54	1
Aldrin	ND		5.7	0.53	ug/Kg	☼	12/12/24 16:01	12/19/24 13:54	1
Heptachlor epoxide	**14**		5.7	0.59	ug/Kg	☼	12/12/24 16:01	12/19/24 13:54	1
Endosulfan I	ND		5.7	0.59	ug/Kg	☼	12/12/24 16:01	12/19/24 13:54	1
Dieldrin	ND		5.7	0.62	ug/Kg	☼	12/12/24 16:01	12/19/24 13:54	1
4,4'-DDE	ND		9.1	0.75	ug/Kg	☼	12/12/24 16:01	12/19/24 13:54	1
Endrin	ND		9.1	0.81	ug/Kg	☼	12/12/24 16:01	12/19/24 13:54	1
Endosulfan II	ND		9.1	0.59	ug/Kg	☼	12/12/24 16:01	12/19/24 13:54	1
4,4'-DDD	ND		9.1	1.3	ug/Kg	☼	12/12/24 16:01	12/19/24 13:54	1
Endosulfan sulfate	ND		9.1	0.60	ug/Kg	☼	12/12/24 16:01	12/19/24 13:54	1
4,4'-DDT	**3.6**	**J B**	9.1	1.5	ug/Kg	☼	12/12/24 16:01	12/19/24 13:54	1
Methoxychlor	ND		9.1	1.7	ug/Kg	☼	12/12/24 16:01	12/19/24 13:54	1
Endrin ketone	ND		9.1	0.64	ug/Kg	☼	12/12/24 16:01	12/19/24 13:54	1
Endrin aldehyde	ND		9.1	1.1	ug/Kg	☼	12/12/24 16:01	12/19/24 13:54	1
cis-Chlordane	**17**	**p**	5.7	0.56	ug/Kg	☼	12/12/24 16:01	12/19/24 13:54	1
trans-Chlordane	**9.0**		5.7	0.82	ug/Kg	☼	12/12/24 16:01	12/19/24 13:54	1
Toxaphene	ND		110	80	ug/Kg	☼	12/12/24 16:01	12/19/24 13:54	1
Alachlor	ND		5.7	1.6	ug/Kg	☼	12/12/24 16:01	12/19/24 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*72*		*30 - 150*	*12/12/24 16:01*	*12/19/24 13:54*	*1*
Tetrachloro-m-xylene	*77*		*30 - 150*	*12/12/24 16:01*	*12/19/24 13:54*	*1*
DCB Decachlorobiphenyl (Surr)	*88*		*30 - 150*	*12/12/24 16:01*	*12/19/24 13:54*	*1*
DCB Decachlorobiphenyl (Surr)	*66*		*30 - 150*	*12/12/24 16:01*	*12/19/24 13:54*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.64**	**J F1 F2**	8.1	0.61	mg/Kg	☼	12/11/24 08:07	12/12/24 19:00	2
Arsenic	**9.4**	**F2**	2.4	0.31	mg/Kg	☼	12/11/24 08:07	12/12/24 19:00	2
Beryllium	**0.15**	**J F2**	0.81	0.040	mg/Kg	☼	12/11/24 08:07	12/12/24 19:00	2
Barium	**18**	**F1 F2**	1.6	0.19	mg/Kg	☼	12/11/24 08:07	12/12/24 19:00	2
Cadmium	**0.38**	**J F2**	0.81	0.042	mg/Kg	☼	12/11/24 08:07	12/12/24 19:00	2
Chromium	**22**	**F1 F2**	1.6	0.21	mg/Kg	☼	12/11/24 08:07	12/12/24 19:00	2
Copper	**6.9**	**F2**	1.6	0.39	mg/Kg	☼	12/11/24 08:07	12/12/24 19:00	2
Lead	**14**	**F1 F2**	2.4	0.34	mg/Kg	☼	12/11/24 08:07	12/12/24 19:00	2
Nickel	**27**	**F1 F2**	1.6	0.19	mg/Kg	☼	12/11/24 08:07	12/12/24 19:00	2
Selenium	ND	F2	2.4	0.46	mg/Kg	☼	12/11/24 08:07	12/12/24 19:00	2
Silver	ND	F2	2.4	0.26	mg/Kg	☼	12/11/24 08:07	12/12/24 19:00	2
Thallium	ND	F2	4.8	1.8	mg/Kg	☼	12/11/24 08:07	12/12/24 19:00	2
Zinc	**33**	**F1 F2**	4.8	1.2	mg/Kg	☼	12/11/24 08:07	12/12/24 19:00	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.51**		0.046	0.0076	mg/Kg	☼	12/16/24 11:19	12/16/24 16:09	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-6-4.0
Date Collected: 12/04/24 12:36
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-24
Matrix: Solid
Percent Solids: 91.2

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.2	0.50	ug/Kg	☼	12/16/24 09:29	12/18/24 16:47	1
beta-BHC	ND		5.2	0.67	ug/Kg	☼	12/16/24 09:29	12/18/24 16:47	1
delta-BHC	ND		5.2	0.86	ug/Kg	☼	12/16/24 09:29	12/18/24 16:47	1
gamma-BHC (Lindane)	ND		2.1	0.47	ug/Kg	☼	12/16/24 09:29	12/18/24 16:47	1
Heptachlor	ND		5.2	0.63	ug/Kg	☼	12/16/24 09:29	12/18/24 16:47	1
Aldrin	ND		5.2	0.49	ug/Kg	☼	12/16/24 09:29	12/18/24 16:47	1
Heptachlor epoxide	**2.3**	**J**	5.2	0.54	ug/Kg	☼	12/16/24 09:29	12/18/24 16:47	1
Endosulfan I	ND		5.2	0.54	ug/Kg	☼	12/16/24 09:29	12/18/24 16:47	1
Dieldrin	ND		5.2	0.57	ug/Kg	☼	12/16/24 09:29	12/18/24 16:47	1
4,4'-DDE	ND		8.3	0.68	ug/Kg	☼	12/16/24 09:29	12/18/24 16:47	1
Endrin	ND		8.3	0.73	ug/Kg	☼	12/16/24 09:29	12/18/24 16:47	1
Endosulfan II	ND		8.3	0.54	ug/Kg	☼	12/16/24 09:29	12/18/24 16:47	1
4,4'-DDD	ND		8.3	1.2	ug/Kg	☼	12/16/24 09:29	12/18/24 16:47	1
Endosulfan sulfate	ND		8.3	0.55	ug/Kg	☼	12/16/24 09:29	12/18/24 16:47	1
4,4'-DDT	ND		8.3	1.4	ug/Kg	☼	12/16/24 09:29	12/18/24 16:47	1
Methoxychlor	ND	*-	8.3	1.6	ug/Kg	☼	12/16/24 09:29	12/18/24 16:47	1
Endrin ketone	ND		8.3	0.58	ug/Kg	☼	12/16/24 09:29	12/18/24 16:47	1
Endrin aldehyde	ND	*-	8.3	0.96	ug/Kg	☼	12/16/24 09:29	12/18/24 16:47	1
cis-Chlordane	**3.6**	**J p**	5.2	0.51	ug/Kg	☼	12/16/24 09:29	12/18/24 16:47	1
trans-Chlordane	**2.1**	**J**	5.2	0.74	ug/Kg	☼	12/16/24 09:29	12/18/24 16:47	1
Toxaphene	ND		100	73	ug/Kg	☼	12/16/24 09:29	12/18/24 16:47	1
Alachlor	ND		5.2	1.5	ug/Kg	☼	12/16/24 09:29	12/18/24 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*88*		*30 - 150*	*12/16/24 09:29*	*12/18/24 16:47*	*1*
Tetrachloro-m-xylene	*93*		*30 - 150*	*12/16/24 09:29*	*12/18/24 16:47*	*1*
DCB Decachlorobiphenyl (Surr)	*100*		*30 - 150*	*12/16/24 09:29*	*12/18/24 16:47*	*1*
DCB Decachlorobiphenyl (Surr)	*85*		*30 - 150*	*12/16/24 09:29*	*12/18/24 16:47*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		8.5	0.64	mg/Kg	☼	12/11/24 08:07	12/12/24 19:37	2
Arsenic	**6.0**		2.6	0.32	mg/Kg	☼	12/11/24 08:07	12/12/24 19:37	2
Beryllium	**0.11**	**J**	0.85	0.043	mg/Kg	☼	12/11/24 08:07	12/12/24 19:37	2
Barium	**11**		1.7	0.20	mg/Kg	☼	12/11/24 08:07	12/12/24 19:37	2
Cadmium	**0.28**	**J**	0.85	0.044	mg/Kg	☼	12/11/24 08:07	12/12/24 19:37	2
Chromium	**18**		1.7	0.23	mg/Kg	☼	12/11/24 08:07	12/12/24 19:37	2
Copper	**7.6**		1.7	0.41	mg/Kg	☼	12/11/24 08:07	12/12/24 19:37	2
Lead	**4.0**		2.6	0.36	mg/Kg	☼	12/11/24 08:07	12/12/24 19:37	2
Nickel	**32**		1.7	0.20	mg/Kg	☼	12/11/24 08:07	12/12/24 19:37	2
Selenium	ND		2.6	0.49	mg/Kg	☼	12/11/24 08:07	12/12/24 19:37	2
Silver	ND		2.6	0.28	mg/Kg	☼	12/11/24 08:07	12/12/24 19:37	2
Thallium	ND		5.1	1.9	mg/Kg	☼	12/11/24 08:07	12/12/24 19:37	2
Zinc	**23**		5.1	1.3	mg/Kg	☼	12/11/24 08:07	12/12/24 19:37	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.052**		0.045	0.0075	mg/Kg	☼	12/16/24 11:19	12/16/24 16:11	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-7-2.0
Date Collected: 12/04/24 13:00
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-25
Matrix: Solid
Percent Solids: 85.8

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.6	0.54	ug/Kg	☼	12/16/24 09:29	12/18/24 17:03	1
beta-BHC	ND		5.6	0.73	ug/Kg	☼	12/16/24 09:29	12/18/24 17:03	1
delta-BHC	ND		5.6	0.93	ug/Kg	☼	12/16/24 09:29	12/18/24 17:03	1
gamma-BHC (Lindane)	ND		2.2	0.50	ug/Kg	☼	12/16/24 09:29	12/18/24 17:03	1
Heptachlor	ND		5.6	0.68	ug/Kg	☼	12/16/24 09:29	12/18/24 17:03	1
Aldrin	ND		5.6	0.53	ug/Kg	☼	12/16/24 09:29	12/18/24 17:03	1
Heptachlor epoxide	**1.6**	**J**	5.6	0.58	ug/Kg	☼	12/16/24 09:29	12/18/24 17:03	1
Endosulfan I	ND		5.6	0.58	ug/Kg	☼	12/16/24 09:29	12/18/24 17:03	1
Dieldrin	ND		5.6	0.62	ug/Kg	☼	12/16/24 09:29	12/18/24 17:03	1
4,4'-DDE	ND		9.0	0.74	ug/Kg	☼	12/16/24 09:29	12/18/24 17:03	1
Endrin	ND		9.0	0.80	ug/Kg	☼	12/16/24 09:29	12/18/24 17:03	1
Endosulfan II	ND		9.0	0.58	ug/Kg	☼	12/16/24 09:29	12/18/24 17:03	1
4,4'-DDD	ND		9.0	1.3	ug/Kg	☼	12/16/24 09:29	12/18/24 17:03	1
Endosulfan sulfate	ND		9.0	0.59	ug/Kg	☼	12/16/24 09:29	12/18/24 17:03	1
4,4'-DDT	ND		9.0	1.5	ug/Kg	☼	12/16/24 09:29	12/18/24 17:03	1
Methoxychlor	ND	*-	9.0	1.7	ug/Kg	☼	12/16/24 09:29	12/18/24 17:03	1
Endrin ketone	ND		9.0	0.63	ug/Kg	☼	12/16/24 09:29	12/18/24 17:03	1
Endrin aldehyde	ND	*-	9.0	1.0	ug/Kg	☼	12/16/24 09:29	12/18/24 17:03	1
cis-Chlordane	**5.5**	**J p**	5.6	0.55	ug/Kg	☼	12/16/24 09:29	12/18/24 17:03	1
trans-Chlordane	**3.5**	**J**	5.6	0.81	ug/Kg	☼	12/16/24 09:29	12/18/24 17:03	1
Toxaphene	ND		110	79	ug/Kg	☼	12/16/24 09:29	12/18/24 17:03	1
Alachlor	ND		5.6	1.6	ug/Kg	☼	12/16/24 09:29	12/18/24 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*60*		*30 - 150*	*12/16/24 09:29*	*12/18/24 17:03*	*1*
Tetrachloro-m-xylene	*64*		*30 - 150*	*12/16/24 09:29*	*12/18/24 17:03*	*1*
DCB Decachlorobiphenyl (Surr)	*75*		*30 - 150*	*12/16/24 09:29*	*12/18/24 17:03*	*1*
DCB Decachlorobiphenyl (Surr)	*67*		*30 - 150*	*12/16/24 09:29*	*12/18/24 17:03*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.87**	**J**	8.8	0.66	mg/Kg	☼	12/11/24 08:07	12/12/24 19:43	2
Arsenic	**5.1**		2.6	0.34	mg/Kg	☼	12/11/24 08:07	12/12/24 19:43	2
Beryllium	**0.15**	**J**	0.88	0.044	mg/Kg	☼	12/11/24 08:07	12/12/24 19:43	2
Barium	**13**		1.8	0.21	mg/Kg	☼	12/11/24 08:07	12/12/24 19:43	2
Cadmium	**0.29**	**J**	0.88	0.046	mg/Kg	☼	12/11/24 08:07	12/12/24 19:43	2
Chromium	**19**		1.8	0.23	mg/Kg	☼	12/11/24 08:07	12/12/24 19:43	2
Copper	**5.3**		1.8	0.42	mg/Kg	☼	12/11/24 08:07	12/12/24 19:43	2
Lead	**7.0**		2.6	0.37	mg/Kg	☼	12/11/24 08:07	12/12/24 19:43	2
Nickel	**22**		1.8	0.20	mg/Kg	☼	12/11/24 08:07	12/12/24 19:43	2
Selenium	ND		2.6	0.51	mg/Kg	☼	12/11/24 08:07	12/12/24 19:43	2
Silver	ND		2.6	0.29	mg/Kg	☼	12/11/24 08:07	12/12/24 19:43	2
Thallium	ND		5.3	1.9	mg/Kg	☼	12/11/24 08:07	12/12/24 19:43	2
Zinc	**25**		5.3	1.4	mg/Kg	☼	12/11/24 08:07	12/12/24 19:43	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**1.5**		0.20	0.033	mg/Kg	☼	12/16/24 11:19	12/17/24 11:46	5

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-7-4.0
Date Collected: 12/04/24 13:03
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-26
Matrix: Solid
Percent Solids: 83.5

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.5	0.53	ug/Kg	☼	12/16/24 09:29	12/18/24 17:19	1
beta-BHC	ND		5.5	0.72	ug/Kg	☼	12/16/24 09:29	12/18/24 17:19	1
delta-BHC	ND		5.5	0.91	ug/Kg	☼	12/16/24 09:29	12/18/24 17:19	1
gamma-BHC (Lindane)	ND		2.2	0.50	ug/Kg	☼	12/16/24 09:29	12/18/24 17:19	1
Heptachlor	ND		5.5	0.67	ug/Kg	☼	12/16/24 09:29	12/18/24 17:19	1
Aldrin	ND		5.5	0.52	ug/Kg	☼	12/16/24 09:29	12/18/24 17:19	1
Heptachlor epoxide	ND		5.5	0.57	ug/Kg	☼	12/16/24 09:29	12/18/24 17:19	1
Endosulfan I	ND		5.5	0.57	ug/Kg	☼	12/16/24 09:29	12/18/24 17:19	1
Dieldrin	ND		5.5	0.61	ug/Kg	☼	12/16/24 09:29	12/18/24 17:19	1
4,4'-DDE	ND		8.8	0.73	ug/Kg	☼	12/16/24 09:29	12/18/24 17:19	1
Endrin	ND		8.8	0.78	ug/Kg	☼	12/16/24 09:29	12/18/24 17:19	1
Endosulfan II	ND		8.8	0.57	ug/Kg	☼	12/16/24 09:29	12/18/24 17:19	1
4,4'-DDD	ND		8.8	1.3	ug/Kg	☼	12/16/24 09:29	12/18/24 17:19	1
Endosulfan sulfate	ND		8.8	0.58	ug/Kg	☼	12/16/24 09:29	12/18/24 17:19	1
4,4'-DDT	ND		8.8	1.4	ug/Kg	☼	12/16/24 09:29	12/18/24 17:19	1
Methoxychlor	ND	*-	8.8	1.7	ug/Kg	☼	12/16/24 09:29	12/18/24 17:19	1
Endrin ketone	ND		8.8	0.62	ug/Kg	☼	12/16/24 09:29	12/18/24 17:19	1
Endrin aldehyde	ND	*-	8.8	1.0	ug/Kg	☼	12/16/24 09:29	12/18/24 17:19	1
cis-Chlordane	ND		5.5	0.54	ug/Kg	☼	12/16/24 09:29	12/18/24 17:19	1
trans-Chlordane	ND		5.5	0.79	ug/Kg	☼	12/16/24 09:29	12/18/24 17:19	1
Toxaphene	ND		110	78	ug/Kg	☼	12/16/24 09:29	12/18/24 17:19	1
Alachlor	ND		5.5	1.6	ug/Kg	☼	12/16/24 09:29	12/18/24 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*30 - 150*	*12/16/24 09:29*	*12/18/24 17:19*	*1*
Tetrachloro-m-xylene	*91*		*30 - 150*	*12/16/24 09:29*	*12/18/24 17:19*	*1*
DCB Decachlorobiphenyl (Surr)	*89*		*30 - 150*	*12/16/24 09:29*	*12/18/24 17:19*	*1*
DCB Decachlorobiphenyl (Surr)	*76*		*30 - 150*	*12/16/24 09:29*	*12/18/24 17:19*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.61**	**J**	7.3	0.55	mg/Kg	☼	12/11/24 08:07	12/12/24 19:49	2
Arsenic	**4.9**		2.2	0.28	mg/Kg	☼	12/11/24 08:07	12/12/24 19:49	2
Beryllium	**0.091**	**J**	0.73	0.036	mg/Kg	☼	12/11/24 08:07	12/12/24 19:49	2
Barium	**9.8**		1.5	0.17	mg/Kg	☼	12/11/24 08:07	12/12/24 19:49	2
Cadmium	**0.26**	**J**	0.73	0.038	mg/Kg	☼	12/11/24 08:07	12/12/24 19:49	2
Chromium	**17**		1.5	0.19	mg/Kg	☼	12/11/24 08:07	12/12/24 19:49	2
Copper	**7.2**		1.5	0.35	mg/Kg	☼	12/11/24 08:07	12/12/24 19:49	2
Lead	**3.3**		2.2	0.31	mg/Kg	☼	12/11/24 08:07	12/12/24 19:49	2
Nickel	**32**		1.5	0.17	mg/Kg	☼	12/11/24 08:07	12/12/24 19:49	2
Selenium	ND		2.2	0.42	mg/Kg	☼	12/11/24 08:07	12/12/24 19:49	2
Silver	ND		2.2	0.24	mg/Kg	☼	12/11/24 08:07	12/12/24 19:49	2
Thallium	ND		4.4	1.6	mg/Kg	☼	12/11/24 08:07	12/12/24 19:49	2
Zinc	**19**		4.4	1.1	mg/Kg	☼	12/11/24 08:07	12/12/24 19:49	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.17**		0.048	0.0080	mg/Kg	☼	12/16/24 11:19	12/16/24 16:15	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-5-2.0
Date Collected: 12/04/24 13:31
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-27
Matrix: Solid
Percent Solids: 83.3

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		6.0	0.58	ug/Kg	☼	12/16/24 09:29	12/18/24 17:35	1
beta-BHC	ND		6.0	0.78	ug/Kg	☼	12/16/24 09:29	12/18/24 17:35	1
delta-BHC	ND		6.0	1.0	ug/Kg	☼	12/16/24 09:29	12/18/24 17:35	1
gamma-BHC (Lindane)	ND		2.4	0.54	ug/Kg	☼	12/16/24 09:29	12/18/24 17:35	1
Heptachlor	ND		6.0	0.73	ug/Kg	☼	12/16/24 09:29	12/18/24 17:35	1
Aldrin	**1.0**	**J p**	6.0	0.56	ug/Kg	☼	12/16/24 09:29	12/18/24 17:35	1
Heptachlor epoxide	**6.1**		6.0	0.62	ug/Kg	☼	12/16/24 09:29	12/18/24 17:35	1
Endosulfan I	ND		6.0	0.62	ug/Kg	☼	12/16/24 09:29	12/18/24 17:35	1
Dieldrin	ND		6.0	0.66	ug/Kg	☼	12/16/24 09:29	12/18/24 17:35	1
4,4'-DDE	ND		9.6	0.79	ug/Kg	☼	12/16/24 09:29	12/18/24 17:35	1
Endrin	ND		9.6	0.85	ug/Kg	☼	12/16/24 09:29	12/18/24 17:35	1
Endosulfan II	**1.6**	**J p**	9.6	0.62	ug/Kg	☼	12/16/24 09:29	12/18/24 17:35	1
4,4'-DDD	ND		9.6	1.4	ug/Kg	☼	12/16/24 09:29	12/18/24 17:35	1
Endosulfan sulfate	ND		9.6	0.64	ug/Kg	☼	12/16/24 09:29	12/18/24 17:35	1
4,4'-DDT	**3.2**	**J p**	9.6	1.6	ug/Kg	☼	12/16/24 09:29	12/18/24 17:35	1
Methoxychlor	ND	*-	9.6	1.8	ug/Kg	☼	12/16/24 09:29	12/18/24 17:35	1
Endrin ketone	ND		9.6	0.67	ug/Kg	☼	12/16/24 09:29	12/18/24 17:35	1
Endrin aldehyde	ND	*-	9.6	1.1	ug/Kg	☼	12/16/24 09:29	12/18/24 17:35	1
cis-Chlordane	**13**	**p**	6.0	0.59	ug/Kg	☼	12/16/24 09:29	12/18/24 17:35	1
trans-Chlordane	**7.4**		6.0	0.86	ug/Kg	☼	12/16/24 09:29	12/18/24 17:35	1
Toxaphene	ND		120	85	ug/Kg	☼	12/16/24 09:29	12/18/24 17:35	1
Alachlor	ND		6.0	1.7	ug/Kg	☼	12/16/24 09:29	12/18/24 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*79*		*30 - 150*	*12/16/24 09:29*	*12/18/24 17:35*	*1*
Tetrachloro-m-xylene	*82*		*30 - 150*	*12/16/24 09:29*	*12/18/24 17:35*	*1*
DCB Decachlorobiphenyl (Surr)	*95*		*30 - 150*	*12/16/24 09:29*	*12/18/24 17:35*	*1*
DCB Decachlorobiphenyl (Surr)	*74*		*30 - 150*	*12/16/24 09:29*	*12/18/24 17:35*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.83**	**J**	8.6	0.65	mg/Kg	☼	12/11/24 08:07	12/12/24 19:56	2
Arsenic	**8.1**		2.6	0.33	mg/Kg	☼	12/11/24 08:07	12/12/24 19:56	2
Beryllium	**0.17**	**J**	0.86	0.043	mg/Kg	☼	12/11/24 08:07	12/12/24 19:56	2
Barium	**13**		1.7	0.20	mg/Kg	☼	12/11/24 08:07	12/12/24 19:56	2
Cadmium	**0.32**	**J**	0.86	0.045	mg/Kg	☼	12/11/24 08:07	12/12/24 19:56	2
Chromium	**20**		1.7	0.23	mg/Kg	☼	12/11/24 08:07	12/12/24 19:56	2
Copper	**9.0**		1.7	0.41	mg/Kg	☼	12/11/24 08:07	12/12/24 19:56	2
Lead	**10**		2.6	0.37	mg/Kg	☼	12/11/24 08:07	12/12/24 19:56	2
Nickel	**30**		1.7	0.20	mg/Kg	☼	12/11/24 08:07	12/12/24 19:56	2
Selenium	ND		2.6	0.49	mg/Kg	☼	12/11/24 08:07	12/12/24 19:56	2
Silver	ND		2.6	0.28	mg/Kg	☼	12/11/24 08:07	12/12/24 19:56	2
Thallium	ND		5.2	1.9	mg/Kg	☼	12/11/24 08:07	12/12/24 19:56	2
Zinc	**28**		5.2	1.3	mg/Kg	☼	12/11/24 08:07	12/12/24 19:56	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.28**		0.046	0.0077	mg/Kg	☼	12/16/24 11:19	12/16/24 16:17	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-5-4.0
Date Collected: 12/04/24 13:39
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-28
Matrix: Solid
Percent Solids: 85.5

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.7	0.55	ug/Kg	☼	12/16/24 09:29	12/18/24 17:51	1
beta-BHC	ND		5.7	0.74	ug/Kg	☼	12/16/24 09:29	12/18/24 17:51	1
delta-BHC	ND		5.7	0.95	ug/Kg	☼	12/16/24 09:29	12/18/24 17:51	1
gamma-BHC (Lindane)	ND		2.3	0.51	ug/Kg	☼	12/16/24 09:29	12/18/24 17:51	1
Heptachlor	ND		5.7	0.69	ug/Kg	☼	12/16/24 09:29	12/18/24 17:51	1
Aldrin	ND		5.7	0.54	ug/Kg	☼	12/16/24 09:29	12/18/24 17:51	1
Heptachlor epoxide	**1.4**	**J**	5.7	0.59	ug/Kg	☼	12/16/24 09:29	12/18/24 17:51	1
Endosulfan I	ND		5.7	0.59	ug/Kg	☼	12/16/24 09:29	12/18/24 17:51	1
Dieldrin	ND		5.7	0.63	ug/Kg	☼	12/16/24 09:29	12/18/24 17:51	1
4,4'-DDE	ND		9.1	0.75	ug/Kg	☼	12/16/24 09:29	12/18/24 17:51	1
Endrin	ND		9.1	0.81	ug/Kg	☼	12/16/24 09:29	12/18/24 17:51	1
Endosulfan II	ND		9.1	0.59	ug/Kg	☼	12/16/24 09:29	12/18/24 17:51	1
4,4'-DDD	ND		9.1	1.3	ug/Kg	☼	12/16/24 09:29	12/18/24 17:51	1
Endosulfan sulfate	ND		9.1	0.60	ug/Kg	☼	12/16/24 09:29	12/18/24 17:51	1
4,4'-DDT	ND		9.1	1.5	ug/Kg	☼	12/16/24 09:29	12/18/24 17:51	1
Methoxychlor	ND	*-	9.1	1.7	ug/Kg	☼	12/16/24 09:29	12/18/24 17:51	1
Endrin ketone	ND		9.1	0.64	ug/Kg	☼	12/16/24 09:29	12/18/24 17:51	1
Endrin aldehyde	ND	*-	9.1	1.1	ug/Kg	☼	12/16/24 09:29	12/18/24 17:51	1
cis-Chlordane	**3.4**	**J p**	5.7	0.56	ug/Kg	☼	12/16/24 09:29	12/18/24 17:51	1
trans-Chlordane	**2.5**	**J**	5.7	0.82	ug/Kg	☼	12/16/24 09:29	12/18/24 17:51	1
Toxaphene	ND		110	80	ug/Kg	☼	12/16/24 09:29	12/18/24 17:51	1
Alachlor	ND		5.7	1.6	ug/Kg	☼	12/16/24 09:29	12/18/24 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*		*30 - 150*	*12/16/24 09:29*	*12/18/24 17:51*	*1*
Tetrachloro-m-xylene	*79*		*30 - 150*	*12/16/24 09:29*	*12/18/24 17:51*	*1*
DCB Decachlorobiphenyl (Surr)	*62*		*30 - 150*	*12/16/24 09:29*	*12/18/24 17:51*	*1*
DCB Decachlorobiphenyl (Surr)	*49*		*30 - 150*	*12/16/24 09:29*	*12/18/24 17:51*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.84**	**J**	5.6	0.42	mg/Kg	☼	12/11/24 08:07	12/12/24 20:02	2
Arsenic	**6.3**		1.7	0.21	mg/Kg	☼	12/11/24 08:07	12/12/24 20:02	2
Beryllium	**0.15**	**J**	0.56	0.028	mg/Kg	☼	12/11/24 08:07	12/12/24 20:02	2
Barium	**9.4**		1.1	0.13	mg/Kg	☼	12/11/24 08:07	12/12/24 20:02	2
Cadmium	**0.27**	**J**	0.56	0.029	mg/Kg	☼	12/11/24 08:07	12/12/24 20:02	2
Chromium	**16**		1.1	0.15	mg/Kg	☼	12/11/24 08:07	12/12/24 20:02	2
Copper	**6.5**		1.1	0.27	mg/Kg	☼	12/11/24 08:07	12/12/24 20:02	2
Lead	**7.8**		1.7	0.24	mg/Kg	☼	12/11/24 08:07	12/12/24 20:02	2
Nickel	**22**		1.1	0.13	mg/Kg	☼	12/11/24 08:07	12/12/24 20:02	2
Selenium	ND		1.7	0.32	mg/Kg	☼	12/11/24 08:07	12/12/24 20:02	2
Silver	ND		1.7	0.18	mg/Kg	☼	12/11/24 08:07	12/12/24 20:02	2
Thallium	ND		3.3	1.2	mg/Kg	☼	12/11/24 08:07	12/12/24 20:02	2
Zinc	**23**		3.3	0.86	mg/Kg	☼	12/11/24 08:07	12/12/24 20:02	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.20**		0.039	0.0064	mg/Kg	☼	12/16/24 11:19	12/16/24 16:24	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-5-4.0-FD

Date Collected: 12/04/24 13:39
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-29

Matrix: Solid
Percent Solids: 85.5

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.4	0.52	ug/Kg	☼	12/16/24 09:29	12/18/24 18:11	1
beta-BHC	ND		5.4	0.70	ug/Kg	☼	12/16/24 09:29	12/18/24 18:11	1
delta-BHC	ND		5.4	0.89	ug/Kg	☼	12/16/24 09:29	12/18/24 18:11	1
gamma-BHC (Lindane)	ND		2.2	0.48	ug/Kg	☼	12/16/24 09:29	12/18/24 18:11	1
Heptachlor	**0.85**	**J p**	5.4	0.66	ug/Kg	☼	12/16/24 09:29	12/18/24 18:11	1
Aldrin	ND		5.4	0.51	ug/Kg	☼	12/16/24 09:29	12/18/24 18:11	1
Heptachlor epoxide	**4.3**	**J**	5.4	0.56	ug/Kg	☼	12/16/24 09:29	12/18/24 18:11	1
Endosulfan I	ND		5.4	0.56	ug/Kg	☼	12/16/24 09:29	12/18/24 18:11	1
Dieldrin	ND		5.4	0.59	ug/Kg	☼	12/16/24 09:29	12/18/24 18:11	1
4,4'-DDE	ND		8.6	0.71	ug/Kg	☼	12/16/24 09:29	12/18/24 18:11	1
Endrin	ND		8.6	0.76	ug/Kg	☼	12/16/24 09:29	12/18/24 18:11	1
Endosulfan II	ND		8.6	0.56	ug/Kg	☼	12/16/24 09:29	12/18/24 18:11	1
4,4'-DDD	ND		8.6	1.2	ug/Kg	☼	12/16/24 09:29	12/18/24 18:11	1
Endosulfan sulfate	ND		8.6	0.57	ug/Kg	☼	12/16/24 09:29	12/18/24 18:11	1
4,4'-DDT	**3.1**	**J**	8.6	1.4	ug/Kg	☼	12/16/24 09:29	12/18/24 18:11	1
Methoxychlor	ND	*-	8.6	1.6	ug/Kg	☼	12/16/24 09:29	12/18/24 18:11	1
Endrin ketone	ND		8.6	0.60	ug/Kg	☼	12/16/24 09:29	12/18/24 18:11	1
Endrin aldehyde	ND	*-	8.6	1.0	ug/Kg	☼	12/16/24 09:29	12/18/24 18:11	1
cis-Chlordane	**10**	**p**	5.4	0.53	ug/Kg	☼	12/16/24 09:29	12/18/24 18:11	1
trans-Chlordane	**6.0**		5.4	0.77	ug/Kg	☼	12/16/24 09:29	12/18/24 18:11	1
Toxaphene	ND		110	76	ug/Kg	☼	12/16/24 09:29	12/18/24 18:11	1
Alachlor	ND		5.4	1.5	ug/Kg	☼	12/16/24 09:29	12/18/24 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*30 - 150*	*12/16/24 09:29*	*12/18/24 18:11*	*1*
Tetrachloro-m-xylene	*94*		*30 - 150*	*12/16/24 09:29*	*12/18/24 18:11*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*30 - 150*	*12/16/24 09:29*	*12/18/24 18:11*	*1*
DCB Decachlorobiphenyl (Surr)	*77*		*30 - 150*	*12/16/24 09:29*	*12/18/24 18:11*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.81**	**J**	8.6	0.65	mg/Kg	☼	12/11/24 08:07	12/12/24 20:08	2
Arsenic	**13**		2.6	0.33	mg/Kg	☼	12/11/24 08:07	12/12/24 20:08	2
Beryllium	**0.17**	**J**	0.86	0.043	mg/Kg	☼	12/11/24 08:07	12/12/24 20:08	2
Barium	**14**		1.7	0.20	mg/Kg	☼	12/11/24 08:07	12/12/24 20:08	2
Cadmium	**0.34**	**J**	0.86	0.045	mg/Kg	☼	12/11/24 08:07	12/12/24 20:08	2
Chromium	**18**		1.7	0.23	mg/Kg	☼	12/11/24 08:07	12/12/24 20:08	2
Copper	**9.7**		1.7	0.41	mg/Kg	☼	12/11/24 08:07	12/12/24 20:08	2
Lead	**13**		2.6	0.36	mg/Kg	☼	12/11/24 08:07	12/12/24 20:08	2
Nickel	**29**		1.7	0.20	mg/Kg	☼	12/11/24 08:07	12/12/24 20:08	2
Selenium	ND		2.6	0.49	mg/Kg	☼	12/11/24 08:07	12/12/24 20:08	2
Silver	ND		2.6	0.28	mg/Kg	☼	12/11/24 08:07	12/12/24 20:08	2
Thallium	ND		5.2	1.9	mg/Kg	☼	12/11/24 08:07	12/12/24 20:08	2
Zinc	**29**		5.2	1.3	mg/Kg	☼	12/11/24 08:07	12/12/24 20:08	2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.44**		0.050	0.0084	mg/Kg	☼	12/16/24 11:19	12/16/24 16:26	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: TB-1242024

Date Collected: 12/04/24 16:46
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-30

Matrix: Solid

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		50	27	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Acetone	ND		500	63	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Acrylonitrile	ND		50	18	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Benzene	ND		50	8.0	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Bromobenzene	ND		50	11	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Bromochloromethane	ND		50	7.2	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Bromodichloromethane	ND		50	13	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Bromoform	ND		50	11	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Bromomethane	ND		100	25	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
2-Butanone (MEK)	ND		100	23	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
n-Butylbenzene	ND		50	20	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
sec-Butylbenzene	ND		50	15	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
tert-Butylbenzene	ND		50	20	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Carbon disulfide	**28**	**J B**	100	19	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Carbon tetrachloride	ND		50	15	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Chlorobenzene	ND		50	6.1	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Chloroethane	ND		100	22	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Chloroform	ND		50	5.9	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Chloromethane	ND		100	60	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
2-Chlorotoluene	ND		50	12	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
4-Chlorotoluene	ND		50	9.1	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
1,2-Dibromo-3-Chloropropane	ND		100	20	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Dibromochloromethane	ND		50	7.9	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
1,2-Dibromoethane (EDB)	ND		50	14	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Dibromomethane	ND		50	9.4	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
1,2-Dichlorobenzene	ND		50	9.0	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
1,3-Dichlorobenzene	ND		50	12	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
1,4-Dichlorobenzene	ND		50	9.0	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Dichlorodifluoromethane (Freon 12)	ND		100	66	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
1,1-Dichloroethane	ND		50	12	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
1,2-Dichloroethane	ND		50	13	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
1,1-Dichloroethene	ND		50	13	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
cis-1,2-Dichloroethene	ND		50	17	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
trans-1,2-Dichloroethene	ND		50	11	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
1,2-Dichloropropane	ND		50	17	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
1,3-Dichloropropane	ND		50	16	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
2,2-Dichloropropane	ND		50	13	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
1,1-Dichloropropene	ND		50	15	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
cis-1,3-Dichloropropene	ND		50	12	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
trans-1,3-Dichloropropene	ND		50	20	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Ethylbenzene	ND		50	10	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Hexachlorobutadiene	ND		50	16	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
2-Hexanone (MBK)	ND		100	33	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Isopropylbenzene	ND		50	18	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
4-Isopropyltoluene	ND		50	14	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Methyl tert-butyl ether	ND		50	15	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
4-Methyl-2-pentanone (MIBK)	ND		100	36	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Methylene Chloride	ND		100	43	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Naphthalene	ND		100	15	ug/Kg		12/16/24 10:48	12/16/24 13:32	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: TB-1242024
Date Collected: 12/04/24 16:46
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-30
Matrix: Solid

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	ND		50	12	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Styrene	ND		50	6.6	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
1,1,1,2-Tetrachloroethane	ND		50	12	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
1,1,2,2-Tetrachloroethane	ND		50	16	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Tetrachloroethene	ND		50	16	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Toluene	ND		50	8.1	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
1,2,3-Trichlorobenzene	ND		50	12	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
1,2,4-Trichlorobenzene	ND		50	8.3	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
1,3,5-Trichlorobenzene	ND		50	7.9	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
1,1,1-Trichloroethane	ND		50	12	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
1,1,2-Trichloroethane	ND		50	15	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Trichloroethene	ND		50	8.6	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Trichlorofluoromethane (Freon 11)	ND		50	23	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
1,2,3-Trichloropropane	ND		50	23	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
1,2,4-Trimethylbenzene	ND		50	13	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
1,3,5-Trimethylbenzene	ND		50	10	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Vinyl chloride	ND		50	25	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
m,p-Xylene	ND		50	29	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
o-Xylene	ND		50	15	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Tetrahydrofuran	ND		100	37	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Ethyl ether	ND		50	14	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Tert-amyl methyl ether	ND		50	28	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Ethyl tert-butyl ether	ND		50	14	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
di-Isopropyl ether	ND		50	16	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
tert-Butanol	ND		1000	710	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
1,4-Dioxane	ND		1000	290	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
trans-1,4-Dichloro-2-butene	ND		250	33	ug/Kg		12/16/24 10:48	12/16/24 13:32	1
Ethanol	ND		10000	860	ug/Kg		12/16/24 10:48	12/16/24 13:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*12/16/24 10:48*	*12/16/24 13:32*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*	*12/16/24 10:48*	*12/16/24 13:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*	*12/16/24 10:48*	*12/16/24 13:32*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*	*12/16/24 10:48*	*12/16/24 13:32*	*1*

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	TOL	DCA	DBFM
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)	(70-130)
620-22803-16	SB-3-2.0	93	100	96	96
620-22803-17	SB-3-2.0-FD	95	99	102	98
620-22803-18	SB-3-4.0	94	100	98	97
620-22803-19	SB-4-2.0	96	100	100	96
620-22803-20	SB-4-4.0	93	99	95	95
620-22803-21	SB-2-2.0	96	99	103	99
620-22803-22	SB-2-4.0	92	100	94	95
620-22803-30	TB-1242024	94	100	98	100
LCS 620-42535/1-A	Lab Control Sample	99	99	99	99
LCSD 620-42535/2-A	Lab Control Sample Dup	100	101	99	100
MB 620-42535/3-A	Method Blank	97	101	100	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TPHL	FBP
Lab Sample ID	Client Sample ID	(30-130)	(30-130)
620-22803-16	SB-3-2.0	91	82
620-22803-17	SB-3-2.0-FD	83	74
620-22803-18	SB-3-4.0	88	77
620-22803-19	SB-4-2.0	94	84
620-22803-20	SB-4-4.0	91	79
620-22803-21	SB-2-2.0	77	68
620-22803-22	SB-2-4.0	94	82
LCS 620-42474/4-A	Lab Control Sample	75	68
LCSD 620-42474/5-A	Lab Control Sample Dup	79	74
MB 620-42474/1-A	Method Blank	78	76

Surrogate Legend

TPHL = Terphenyl-d14 (Surr)
FBP = 2-Fluorobiphenyl (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCB1	DCB2
Lab Sample ID	Client Sample ID	(30-150)	(30-150)	(30-150)	(30-150)
620-22803-1	SB-11-2.0	77	76	71	53
620-22803-2	SB-11-4.0	84	86	73	54
620-22803-3	SB-12-2.0	76	80	68	53
620-22803-4	SB-12-4.0	75	75	66	53
620-22803-5	SB-8-2.0	87	91	81	59
620-22803-6	SB-8-4.0	82	82	75	62

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCB1	DCB2
Lab Sample ID	Client Sample ID	(30-150)	(30-150)	(30-150)	(30-150)
620-22803-7	SB-9-2.0	76	76	103	77
620-22803-8	SB-9-4.0	69	72	116	72 p
620-22803-9	SB-10-2.0	77	82	76	52
620-22803-10	SB-10-4.0	77	83	87	62
620-22803-11	SB-1-1.0	98	99	101	106
620-22803-15	SD-5	70	73	90	72
620-22803-16	SB-3-2.0	65	71	43	48
620-22803-17	SB-3-2.0-FD	70	70	60	58
620-22803-18	SB-3-4.0	86	92	92	78
620-22803-19	SB-4-2.0	84	89	92	71
620-22803-20	SB-4-4.0	89	95	95	81
620-22803-21	SB-2-2.0	77	84	86	80
620-22803-22	SB-2-4.0	82	90	95	85
620-22803-23	SB-6-2.0	72	77	88	66
620-22803-24	SB-6-4.0	88	93	100	85
620-22803-25	SB-7-2.0	60	64	75	67
620-22803-26	SB-7-4.0	84	91	89	76
620-22803-27	SB-5-2.0	79	82	95	74
620-22803-28	SB-5-4.0	75	79	62	49
620-22803-29	SB-5-4.0-FD	87	94	93	77
LCS 620-42437/2-A	Lab Control Sample	95	96	106	105
LCS 620-42528/4-A	Lab Control Sample	90	97	97	90
LCSD 620-42437/3-A	Lab Control Sample Dup	83	84	96	94
LCSD 620-42528/5-A	Lab Control Sample Dup	91	99	94	95
MB 620-42437/1-A	Method Blank	87	90	101	93
MB 620-42528/1-A	Method Blank	74	81	81	80

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl (Surr)

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 620-42535/3-A
Matrix: Solid
Analysis Batch: 42517

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42535

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichlorotrifluoroethane (Freon 113)	ND		50	27	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Acetone	ND		500	63	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Acrylonitrile	ND		50	18	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Benzene	ND		50	8.0	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Bromobenzene	ND		50	11	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Bromochloromethane	ND		50	7.2	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Bromodichloromethane	ND		50	13	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Bromoform	ND		50	11	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Bromomethane	ND		100	25	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
2-Butanone (MEK)	ND		100	23	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
n-Butylbenzene	ND		50	20	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
sec-Butylbenzene	ND		50	15	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
tert-Butylbenzene	ND		50	20	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Carbon disulfide	33.5	J	100	19	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Carbon tetrachloride	ND		50	15	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Chlorobenzene	ND		50	6.1	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Chloroethane	ND		100	22	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Chloroform	ND		50	5.9	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Chloromethane	ND		100	60	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
2-Chlorotoluene	ND		50	12	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
4-Chlorotoluene	ND		50	9.1	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
1,2-Dibromo-3-Chloropropane	ND		100	20	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Dibromochloromethane	ND		50	7.9	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
1,2-Dibromoethane (EDB)	ND		50	14	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Dibromomethane	ND		50	9.4	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
1,2-Dichlorobenzene	ND		50	9.0	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
1,3-Dichlorobenzene	ND		50	12	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
1,4-Dichlorobenzene	ND		50	9.0	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Dichlorodifluoromethane (Freon 12)	ND		100	66	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
1,1-Dichloroethane	ND		50	12	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
1,2-Dichloroethane	ND		50	13	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
1,1-Dichloroethene	ND		50	13	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
cis-1,2-Dichloroethene	ND		50	17	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
trans-1,2-Dichloroethene	ND		50	11	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
1,2-Dichloropropane	ND		50	17	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
1,3-Dichloropropane	ND		50	16	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
2,2-Dichloropropane	ND		50	13	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
1,1-Dichloropropene	ND		50	15	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
cis-1,3-Dichloropropene	ND		50	12	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
trans-1,3-Dichloropropene	ND		50	20	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Ethylbenzene	ND		50	10	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Hexachlorobutadiene	ND		50	16	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
2-Hexanone (MBK)	ND		100	33	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Isopropylbenzene	ND		50	18	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
4-Isopropyltoluene	ND		50	14	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Methyl tert-butyl ether	ND		50	15	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
4-Methyl-2-pentanone (MIBK)	ND		100	36	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Methylene Chloride	ND		100	43	ug/Kg		12/16/24 08:00	12/16/24 11:25	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 620-42535/3-A
Matrix: Solid
Analysis Batch: 42517

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42535

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		100	15	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
N-Propylbenzene	ND		50	12	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Styrene	ND		50	6.6	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
1,1,1,2-Tetrachloroethane	ND		50	12	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
1,1,2,2-Tetrachloroethane	ND		50	16	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Tetrachloroethene	ND		50	16	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Toluene	ND		50	8.1	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
1,2,3-Trichlorobenzene	ND		50	12	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
1,2,4-Trichlorobenzene	ND		50	8.3	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
1,3,5-Trichlorobenzene	ND		50	7.9	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
1,1,1-Trichloroethane	ND		50	12	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
1,1,2-Trichloroethane	ND		50	15	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Trichloroethene	ND		50	8.6	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Trichlorofluoromethane (Freon 11)	ND		50	23	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
1,2,3-Trichloropropane	ND		50	23	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
1,2,4-Trimethylbenzene	ND		50	13	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
1,3,5-Trimethylbenzene	ND		50	10	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Vinyl chloride	ND		50	25	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
m,p-Xylene	ND		50	29	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
o-Xylene	ND		50	15	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Tetrahydrofuran	ND		100	37	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Ethyl ether	ND		50	14	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Tert-amyl methyl ether	ND		50	28	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Ethyl tert-butyl ether	ND		50	14	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
di-Isopropyl ether	ND		50	16	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
tert-Butanol	ND		1000	710	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
1,4-Dioxane	ND		1000	290	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
trans-1,4-Dichloro-2-butene	ND		250	33	ug/Kg		12/16/24 08:00	12/16/24 11:25	1
Ethanol	ND		10000	860	ug/Kg		12/16/24 08:00	12/16/24 11:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*12/16/24 08:00*	*12/16/24 11:25*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*	*12/16/24 08:00*	*12/16/24 11:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*	*12/16/24 08:00*	*12/16/24 11:25*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*	*12/16/24 08:00*	*12/16/24 11:25*	*1*

Lab Sample ID: LCS 620-42535/1-A
Matrix: Solid
Analysis Batch: 42517

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42535

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichlorotrifluoroethane (Freon 113)	1000	1060		ug/Kg		106	91 - 125
Acetone	1000	843		ug/Kg		84	47 - 157
Acrylonitrile	1000	1080		ug/Kg		108	79 - 129
Benzene	1000	1040		ug/Kg		104	88 - 130
Bromobenzene	1000	982		ug/Kg		98	81 - 125
Bromochloromethane	1000	1000		ug/Kg		100	85 - 139
Bromodichloromethane	1000	977		ug/Kg		98	84 - 134

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 620-42535/1-A
Matrix: Solid
Analysis Batch: 42517

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42535

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromoform	1000	1050		ug/Kg		105	83 - 131
Bromomethane	1000	1200		ug/Kg		120	63 - 157
2-Butanone (MEK)	1000	1020		ug/Kg		102	58 - 161
n-Butylbenzene	1000	1130		ug/Kg		113	83 - 137
sec-Butylbenzene	1000	1120		ug/Kg		112	79 - 131
tert-Butylbenzene	1000	1100		ug/Kg		110	82 - 131
Carbon disulfide	1000	1040		ug/Kg		104	82 - 135
Carbon tetrachloride	1000	1050		ug/Kg		105	77 - 139
Chlorobenzene	1000	980		ug/Kg		98	85 - 121
Chloroethane	1000	1350		ug/Kg		135	61 - 156
Chloroform	1000	1050		ug/Kg		105	89 - 123
Chloromethane	1000	1030		ug/Kg		103	81 - 130
2-Chlorotoluene	1000	1040		ug/Kg		104	90 - 117
4-Chlorotoluene	1000	1070		ug/Kg		107	88 - 121
1,2-Dibromo-3-Chloropropane	1000	1030		ug/Kg		103	75 - 142
Dibromochloromethane	1000	1010		ug/Kg		101	85 - 131
1,2-Dibromoethane (EDB)	1000	1050		ug/Kg		105	85 - 133
Dibromomethane	1000	1020		ug/Kg		102	90 - 128
1,2-Dichlorobenzene	1000	1050		ug/Kg		105	88 - 128
1,3-Dichlorobenzene	1000	1030		ug/Kg		103	78 - 133
1,4-Dichlorobenzene	1000	997		ug/Kg		100	88 - 121
Dichlorodifluoromethane (Freon 12)	1000	827		ug/Kg		83	55 - 159
1,1-Dichloroethane	1000	1030		ug/Kg		103	89 - 129
1,2-Dichloroethane	1000	989		ug/Kg		99	82 - 137
1,1-Dichloroethene	1000	975		ug/Kg		97	82 - 138
cis-1,2-Dichloroethene	1000	993		ug/Kg		99	79 - 133
trans-1,2-Dichloroethene	1000	985		ug/Kg		99	81 - 137
1,2-Dichloropropane	1000	1050		ug/Kg		105	89 - 128
1,3-Dichloropropane	1000	1060		ug/Kg		106	86 - 133
2,2-Dichloropropane	1000	1070		ug/Kg		107	91 - 131
1,1-Dichloropropene	1000	1040		ug/Kg		104	75 - 137
cis-1,3-Dichloropropene	1000	1120		ug/Kg		112	84 - 122
trans-1,3-Dichloropropene	1000	1170		ug/Kg		117	90 - 121
Ethylbenzene	1000	1030		ug/Kg		103	89 - 126
Hexachlorobutadiene	1000	985		ug/Kg		99	74 - 131
2-Hexanone (MBK)	1000	896		ug/Kg		90	41 - 167
Isopropylbenzene	1000	1100		ug/Kg		110	88 - 125
4-Isopropyltoluene	1000	1130		ug/Kg		113	86 - 128
Methyl tert-butyl ether	1000	1090		ug/Kg		109	74 - 144
4-Methyl-2-pentanone (MIBK)	1000	1140		ug/Kg		114	80 - 135
Methylene Chloride	1000	995		ug/Kg		100	87 - 119
Naphthalene	1000	902		ug/Kg		90	60 - 145
N-Propylbenzene	1000	1100		ug/Kg		110	87 - 120
Styrene	1000	1010		ug/Kg		101	88 - 125
1,1,1,2-Tetrachloroethane	1000	1030		ug/Kg		103	81 - 128
1,1,2,2-Tetrachloroethane	1000	1050		ug/Kg		105	88 - 126
Tetrachloroethene	1000	978		ug/Kg		98	81 - 124
Toluene	1000	1010		ug/Kg		101	84 - 124

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 620-42535/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 42517 — **Prep Batch: 42535**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichlorobenzene	1000	1080		ug/Kg		108	68 - 145
1,2,4-Trichlorobenzene	1000	1050		ug/Kg		105	57 - 141
1,3,5-Trichlorobenzene	1000	1050		ug/Kg		105	70 - 137
1,1,1-Trichloroethane	1000	1030		ug/Kg		103	88 - 131
1,1,2-Trichloroethane	1000	1050		ug/Kg		105	91 - 129
Trichloroethene	1000	967		ug/Kg		97	88 - 131
Trichlorofluoromethane (Freon 11)	1000	1010		ug/Kg		101	86 - 130
1,2,3-Trichloropropane	1000	1030		ug/Kg		103	92 - 126
1,2,4-Trimethylbenzene	1000	1110		ug/Kg		111	87 - 126
1,3,5-Trimethylbenzene	1000	1090		ug/Kg		109	90 - 125
Vinyl chloride	1000	1190		ug/Kg		119	73 - 145
m,p-Xylene	1000	1070		ug/Kg		107	83 - 122
o-Xylene	1000	1080		ug/Kg		108	87 - 122
Tetrahydrofuran	1000	935		ug/Kg		94	81 - 134
Ethyl ether	1000	1020		ug/Kg		102	84 - 144
Tert-amyl methyl ether	1000	1090		ug/Kg		109	69 - 151
Ethyl tert-butyl ether	1000	1120		ug/Kg		112	75 - 128
di-Isopropyl ether	1000	1130		ug/Kg		113	82 - 131
tert-Butanol	10000	11800		ug/Kg		118	85 - 148
1,4-Dioxane	10000	10400		ug/Kg		104	10 - 178
trans-1,4-Dichloro-2-butene	1000	1150		ug/Kg		115	74 - 151
Ethanol	20000	21700		ug/Kg		109	83 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
Dibromofluoromethane (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 620-42535/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 42517 — **Prep Batch: 42535**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2-Trichlorotrifluoroethane (Freon 113)	1000	1020		ug/Kg		102	91 - 125	4	30
Acetone	1000	848		ug/Kg		85	47 - 157	1	30
Acrylonitrile	1000	1230		ug/Kg		123	79 - 129	13	30
Benzene	1000	1040		ug/Kg		104	88 - 130	0	30
Bromobenzene	1000	966		ug/Kg		97	81 - 125	2	30
Bromochloromethane	1000	1010		ug/Kg		101	85 - 139	1	30
Bromodichloromethane	1000	960		ug/Kg		96	84 - 134	2	30
Bromoform	1000	1060		ug/Kg		106	83 - 131	0	30
Bromomethane	1000	1230		ug/Kg		123	63 - 157	2	30
2-Butanone (MEK)	1000	1040		ug/Kg		104	58 - 161	2	30
n-Butylbenzene	1000	1110		ug/Kg		111	83 - 137	2	30
sec-Butylbenzene	1000	1090		ug/Kg		109	79 - 131	3	30
tert-Butylbenzene	1000	1090		ug/Kg		109	82 - 131	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 620-42535/2-A | **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 42517 | **Prep Batch: 42535**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon disulfide	1000	1070		ug/Kg		107	82 - 135	3	30
Carbon tetrachloride	1000	1050		ug/Kg		105	77 - 139	0	30
Chlorobenzene	1000	961		ug/Kg		96	85 - 121	2	30
Chloroethane	1000	1370		ug/Kg		137	61 - 156	1	30
Chloroform	1000	1030		ug/Kg		103	89 - 123	2	30
Chloromethane	1000	984		ug/Kg		98	81 - 130	4	30
2-Chlorotoluene	1000	1020		ug/Kg		102	90 - 117	2	30
4-Chlorotoluene	1000	1050		ug/Kg		105	88 - 121	2	30
1,2-Dibromo-3-Chloropropane	1000	1100		ug/Kg		110	75 - 142	7	30
Dibromochloromethane	1000	1010		ug/Kg		101	85 - 131	0	30
1,2-Dibromoethane (EDB)	1000	1060		ug/Kg		106	85 - 133	1	30
Dibromomethane	1000	1010		ug/Kg		101	90 - 128	1	30
1,2-Dichlorobenzene	1000	1050		ug/Kg		105	88 - 128	0	30
1,3-Dichlorobenzene	1000	1000		ug/Kg		100	78 - 133	3	30
1,4-Dichlorobenzene	1000	993		ug/Kg		99	88 - 121	0	30
Dichlorodifluoromethane (Freon 12)	1000	795		ug/Kg		79	55 - 159	4	30
1,1-Dichloroethane	1000	1010		ug/Kg		101	89 - 129	2	30
1,2-Dichloroethane	1000	976		ug/Kg		98	82 - 137	1	30
1,1-Dichloroethene	1000	1000		ug/Kg		100	82 - 138	3	30
cis-1,2-Dichloroethene	1000	980		ug/Kg		98	79 - 133	1	30
trans-1,2-Dichloroethene	1000	980		ug/Kg		98	81 - 137	1	30
1,2-Dichloropropane	1000	1050		ug/Kg		105	89 - 128	0	30
1,3-Dichloropropane	1000	1060		ug/Kg		106	86 - 133	0	30
2,2-Dichloropropane	1000	1040		ug/Kg		104	91 - 131	2	30
1,1-Dichloropropene	1000	1030		ug/Kg		103	75 - 137	1	30
cis-1,3-Dichloropropene	1000	1120		ug/Kg		112	84 - 122	0	30
trans-1,3-Dichloropropene	1000	1150		ug/Kg		115	90 - 121	2	30
Ethylbenzene	1000	1020		ug/Kg		102	89 - 126	1	30
Hexachlorobutadiene	1000	964		ug/Kg		96	74 - 131	2	30
2-Hexanone (MBK)	1000	970		ug/Kg		97	41 - 167	8	30
Isopropylbenzene	1000	1080		ug/Kg		108	88 - 125	2	30
4-Isopropyltoluene	1000	1120		ug/Kg		112	86 - 128	1	30
Methyl tert-butyl ether	1000	1100		ug/Kg		110	74 - 144	1	30
4-Methyl-2-pentanone (MIBK)	1000	1170		ug/Kg		117	80 - 135	3	30
Methylene Chloride	1000	1020		ug/Kg		102	87 - 119	3	30
Naphthalene	1000	926		ug/Kg		93	60 - 145	3	30
N-Propylbenzene	1000	1080		ug/Kg		108	87 - 120	1	30
Styrene	1000	999		ug/Kg		100	88 - 125	1	30
1,1,1,2-Tetrachloroethane	1000	1010		ug/Kg		101	81 - 128	2	30
1,1,2,2-Tetrachloroethane	1000	1050		ug/Kg		105	88 - 126	0	30
Tetrachloroethene	1000	972		ug/Kg		97	81 - 124	1	30
Toluene	1000	1010		ug/Kg		101	84 - 124	0	30
1,2,3-Trichlorobenzene	1000	1080		ug/Kg		108	68 - 145	1	30
1,2,4-Trichlorobenzene	1000	1040		ug/Kg		104	57 - 141	1	30
1,3,5-Trichlorobenzene	1000	1040		ug/Kg		104	70 - 137	0	30
1,1,1-Trichloroethane	1000	1030		ug/Kg		103	88 - 131	0	30
1,1,2-Trichloroethane	1000	1070		ug/Kg		107	91 - 129	2	30
Trichloroethene	1000	964		ug/Kg		96	88 - 131	0	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 620-42535/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 42517 — **Prep Batch: 42535**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Trichlorofluoromethane (Freon 11)			1000	984		ug/Kg		98	86 - 130	3	30
1,2,3-Trichloropropane			1000	1050		ug/Kg		105	92 - 126	2	30
1,2,4-Trimethylbenzene			1000	1090		ug/Kg		109	87 - 126	2	30
1,3,5-Trimethylbenzene			1000	1080		ug/Kg		108	90 - 125	1	30
Vinyl chloride			1000	1180		ug/Kg		118	73 - 145	0	30
m,p-Xylene			1000	1070		ug/Kg		107	83 - 122	0	30
o-Xylene			1000	1060		ug/Kg		106	87 - 122	2	30
Tetrahydrofuran			1000	1060		ug/Kg		106	81 - 134	12	30
Ethyl ether			1000	1060		ug/Kg		106	84 - 144	3	30
Tert-amyl methyl ether			1000	1090		ug/Kg		109	69 - 151	0	30
Ethyl tert-butyl ether			1000	1130		ug/Kg		113	75 - 128	1	30
di-Isopropyl ether			1000	1120		ug/Kg		112	82 - 131	0	30
tert-Butanol			10000	12000		ug/Kg		120	85 - 148	2	30
1,4-Dioxane			10000	10200		ug/Kg		102	10 - 178	2	30
trans-1,4-Dichloro-2-butene			1000	1140		ug/Kg		114	74 - 151	1	30
Ethanol			20000	23100		ug/Kg		116	83 - 135	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
Dibromofluoromethane (Surr)	*100*		*70 - 130*

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH

Lab Sample ID: MB 620-42474/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 42596 — **Prep Batch: 42474**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		16	6.6	ug/Kg		12/13/24 11:09	12/17/24 11:51	1
Acenaphthylene	ND		16	6.6	ug/Kg		12/13/24 11:09	12/17/24 11:51	1
1-Methylnaphthalene	ND		16	6.6	ug/Kg		12/13/24 11:09	12/17/24 11:51	1
Anthracene	ND		16	6.6	ug/Kg		12/13/24 11:09	12/17/24 11:51	1
Benzo[a]anthracene	ND		16	6.6	ug/Kg		12/13/24 11:09	12/17/24 11:51	1
Benzo[a]pyrene	ND		16	6.6	ug/Kg		12/13/24 11:09	12/17/24 11:51	1
Benzo[b]fluoranthene	ND		16	6.6	ug/Kg		12/13/24 11:09	12/17/24 11:51	1
Benzo[g,h,i]perylene	ND		16	6.6	ug/Kg		12/13/24 11:09	12/17/24 11:51	1
Benzo[k]fluoranthene	ND		16	6.6	ug/Kg		12/13/24 11:09	12/17/24 11:51	1
Chrysene	ND		16	6.6	ug/Kg		12/13/24 11:09	12/17/24 11:51	1
Dibenz(a,h)anthracene	ND		16	6.6	ug/Kg		12/13/24 11:09	12/17/24 11:51	1
Fluoranthene	ND		16	6.6	ug/Kg		12/13/24 11:09	12/17/24 11:51	1
Fluorene	ND		16	6.6	ug/Kg		12/13/24 11:09	12/17/24 11:51	1
Indeno[1,2,3-cd]pyrene	ND		16	6.6	ug/Kg		12/13/24 11:09	12/17/24 11:51	1
2-Methylnaphthalene	ND		16	6.6	ug/Kg		12/13/24 11:09	12/17/24 11:51	1
Naphthalene	ND		16	6.6	ug/Kg		12/13/24 11:09	12/17/24 11:51	1
Phenanthrene	ND		16	6.6	ug/Kg		12/13/24 11:09	12/17/24 11:51	1
Pyrene	ND		16	6.6	ug/Kg		12/13/24 11:09	12/17/24 11:51	1

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	78		30 - 130	12/13/24 11:09	12/17/24 11:51	1
2-Fluorobiphenyl (Surr)	76		30 - 130	12/13/24 11:09	12/17/24 11:51	1

Lab Sample ID: LCS 620-42474/4-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 42596 — **Prep Batch: 42474**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Acenaphthene			167	97.8		ug/Kg		59	26 - 100		
Acenaphthylene			167	96.4		ug/Kg		58	26 - 100		
1-Methylnaphthalene			167	105		ug/Kg		63	22 - 100		
Anthracene			167	109		ug/Kg		65	33 - 100		
Benzo[a]anthracene			167	103		ug/Kg		62	36 - 100		
Benzo[a]pyrene			167	110		ug/Kg		66	36 - 100		
Benzo[b]fluoranthene			167	122		ug/Kg		73	33 - 110		
Benzo[g,h,i]perylene			167	121		ug/Kg		73	38 - 110		
Benzo[k]fluoranthene			167	103		ug/Kg		62	35 - 110		
Chrysene			167	108		ug/Kg		65	37 - 110		
Dibenz(a,h)anthracene			167	120		ug/Kg		72	34 - 110		
Fluoranthene			167	102		ug/Kg		61	35 - 110		
Fluorene			167	96.4		ug/Kg		58	29 - 100		
Indeno[1,2,3-cd]pyrene			167	115		ug/Kg		69	36 - 110		
2-Methylnaphthalene			167	99.4		ug/Kg		60	24 - 100		
Naphthalene			167	101		ug/Kg		60	25 - 100		
Phenanthrene			167	98.8		ug/Kg		59	33 - 100		
Pyrene			167	103		ug/Kg		62	38 - 110		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14 (Surr)	75		30 - 130
2-Fluorobiphenyl (Surr)	68		30 - 130

Lab Sample ID: LCSD 620-42474/5-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 42596 — **Prep Batch: 42474**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			167	111		ug/Kg		66	26 - 100	12	30
Acenaphthylene			167	108		ug/Kg		65	26 - 100	12	30
1-Methylnaphthalene			167	116		ug/Kg		69	22 - 100	9	30
Anthracene			167	122		ug/Kg		73	33 - 100	12	30
Benzo[a]anthracene			167	114		ug/Kg		68	36 - 100	11	30
Benzo[a]pyrene			167	123		ug/Kg		74	36 - 100	11	30
Benzo[b]fluoranthene			167	133		ug/Kg		80	33 - 110	9	30
Benzo[g,h,i]perylene			167	135		ug/Kg		81	38 - 110	10	30
Benzo[k]fluoranthene			167	122		ug/Kg		73	35 - 110	17	30
Chrysene			167	121		ug/Kg		72	37 - 110	11	30
Dibenz(a,h)anthracene			167	131		ug/Kg		79	34 - 110	9	30
Fluoranthene			167	115		ug/Kg		69	35 - 110	12	30
Fluorene			167	110		ug/Kg		66	29 - 100	13	30
Indeno[1,2,3-cd]pyrene			167	126		ug/Kg		76	36 - 110	10	30
2-Methylnaphthalene			167	113		ug/Kg		68	24 - 100	13	30

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Method: 8270D_LL_PAH - Semivolatile Organic Compounds (GC/MS) Low level PAH (Continued)

Lab Sample ID: LCSD 620-42474/5-A
Matrix: Solid
Analysis Batch: 42596

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 42474

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Naphthalene			167	113		ug/Kg		68	25 - 100	11	30
Phenanthrene			167	110		ug/Kg		66	33 - 100	11	30
Pyrene			167	115		ug/Kg		69	38 - 110	11	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Terphenyl-d14 (Surr)	*79*		*30 - 130*
2-Fluorobiphenyl (Surr)	*74*		*30 - 130*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 620-42437/1-A
Matrix: Solid
Analysis Batch: 42575

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42437

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.0	0.48	ug/Kg		12/12/24 16:01	12/17/24 10:37	1
beta-BHC	ND		5.0	0.65	ug/Kg		12/12/24 16:01	12/17/24 10:37	1
delta-BHC	ND		5.0	0.83	ug/Kg		12/12/24 16:01	12/17/24 10:37	1
gamma-BHC (Lindane)	ND		2.0	0.45	ug/Kg		12/12/24 16:01	12/17/24 10:37	1
Heptachlor	ND		5.0	0.61	ug/Kg		12/12/24 16:01	12/17/24 10:37	1
Aldrin	ND		5.0	0.47	ug/Kg		12/12/24 16:01	12/17/24 10:37	1
Heptachlor epoxide	ND		5.0	0.52	ug/Kg		12/12/24 16:01	12/17/24 10:37	1
Endosulfan I	ND		5.0	0.52	ug/Kg		12/12/24 16:01	12/17/24 10:37	1
Dieldrin	ND		5.0	0.55	ug/Kg		12/12/24 16:01	12/17/24 10:37	1
4,4'-DDE	ND		8.0	0.66	ug/Kg		12/12/24 16:01	12/17/24 10:37	1
Endrin	ND		8.0	0.71	ug/Kg		12/12/24 16:01	12/17/24 10:37	1
Endosulfan II	ND		8.0	0.52	ug/Kg		12/12/24 16:01	12/17/24 10:37	1
4,4'-DDD	ND		8.0	1.2	ug/Kg		12/12/24 16:01	12/17/24 10:37	1
Endosulfan sulfate	ND		8.0	0.53	ug/Kg		12/12/24 16:01	12/17/24 10:37	1
4,4'-DDT	ND		8.0	1.3	ug/Kg		12/12/24 16:01	12/17/24 10:37	1
Methoxychlor	ND		8.0	1.5	ug/Kg		12/12/24 16:01	12/17/24 10:37	1
Endrin ketone	ND		8.0	0.56	ug/Kg		12/12/24 16:01	12/17/24 10:37	1
Endrin aldehyde	ND		8.0	0.93	ug/Kg		12/12/24 16:01	12/17/24 10:37	1
cis-Chlordane	ND		5.0	0.49	ug/Kg		12/12/24 16:01	12/17/24 10:37	1
trans-Chlordane	ND		5.0	0.72	ug/Kg		12/12/24 16:01	12/17/24 10:37	1
Toxaphene	ND		100	71	ug/Kg		12/12/24 16:01	12/17/24 10:37	1
Alachlor	ND		5.0	1.4	ug/Kg		12/12/24 16:01	12/17/24 10:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*30 - 150*	*12/12/24 16:01*	*12/17/24 10:37*	*1*
Tetrachloro-m-xylene	*90*		*30 - 150*	*12/12/24 16:01*	*12/17/24 10:37*	*1*
DCB Decachlorobiphenyl (Surr)	*101*		*30 - 150*	*12/12/24 16:01*	*12/17/24 10:37*	*1*
DCB Decachlorobiphenyl (Surr)	*93*		*30 - 150*	*12/12/24 16:01*	*12/17/24 10:37*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 620-42437/2-A
Matrix: Solid
Analysis Batch: 42575

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42437

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
alpha-BHC	13.4	12.1		ug/Kg		90	48 - 112
alpha-BHC	13.4	13.2		ug/Kg		99	48 - 112
beta-BHC	13.3	11.5		ug/Kg		87	55 - 117
beta-BHC	13.3	13.6		ug/Kg		102	55 - 117
delta-BHC	13.4	13.0		ug/Kg		97	51 - 113
delta-BHC	13.4	13.3		ug/Kg		99	51 - 113
gamma-BHC (Lindane)	13.5	12.2		ug/Kg		91	51 - 113
gamma-BHC (Lindane)	13.5	13.3		ug/Kg		99	51 - 113
Heptachlor	13.4	12.1		ug/Kg		91	52 - 115
Heptachlor	13.4	12.2		ug/Kg		91	52 - 115
Aldrin	13.4	12.1		ug/Kg		91	46 - 115
Aldrin	13.4	13.7		ug/Kg		103	46 - 115
Heptachlor epoxide	13.3	12.0		ug/Kg		90	51 - 116
Heptachlor epoxide	13.3	12.5		ug/Kg		94	51 - 116
Endosulfan I	13.3	12.7		ug/Kg		95	53 - 126
Endosulfan I	13.3	13.9		ug/Kg		105	53 - 126
Dieldrin	13.4	12.4		ug/Kg		93	59 - 120
Dieldrin	13.4	14.7		ug/Kg		110	59 - 120
4,4'-DDE	13.4	12.3		ug/Kg		92	56 - 118
4,4'-DDE	13.4	13.5		ug/Kg		101	56 - 118
Endrin	13.4	15.2		ug/Kg		114	60 - 140
Endrin	13.4	16.8		ug/Kg		126	60 - 140
Endosulfan II	13.3	12.1		ug/Kg		91	53 - 128
Endosulfan II	13.3	13.4		ug/Kg		100	53 - 128
4,4'-DDD	13.4	12.1		ug/Kg		91	60 - 125
4,4'-DDD	13.4	15.4		ug/Kg		115	60 - 125
Endosulfan sulfate	13.4	11.5		ug/Kg		86	47 - 138
Endosulfan sulfate	13.4	13.1		ug/Kg		98	47 - 138
4,4'-DDT	13.5	9.95		ug/Kg		74	60 - 140
4,4'-DDT	13.5	14.8		ug/Kg		110	60 - 140
Methoxychlor	13.3	9.68		ug/Kg		73	60 - 140
Methoxychlor	13.3	13.9		ug/Kg		104	60 - 140
Endrin ketone	13.4	9.73		ug/Kg		73	50 - 123
Endrin ketone	13.4	11.4		ug/Kg		85	50 - 123
Endrin aldehyde	13.4	7.60	J	ug/Kg		57	25 - 132
Endrin aldehyde	13.4	10.8		ug/Kg		80	25 - 132
cis-Chlordane	13.4	11.9		ug/Kg		89	51 - 121
cis-Chlordane	13.4	12.9		ug/Kg		96	51 - 121
trans-Chlordane	13.4	12.1		ug/Kg		90	47 - 129
trans-Chlordane	13.4	12.8		ug/Kg		95	47 - 129
Alachlor	13.4	14.3		ug/Kg		107	55 - 130
Alachlor	13.4	12.7		ug/Kg		95	55 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*95*		*30 - 150*
Tetrachloro-m-xylene	*96*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*106*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*105*		*30 - 150*

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: LCSD 620-42437/3-A
Matrix: Solid
Analysis Batch: 42575

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 42437

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
alpha-BHC			13.4	10.7		ug/Kg		80	48 - 112	12	30
beta-BHC			13.3	10.3		ug/Kg		77	55 - 117	12	30
delta-BHC			13.4	11.4		ug/Kg		85	51 - 113	13	30
gamma-BHC (Lindane)			13.5	10.8		ug/Kg		80	51 - 113	13	30
Heptachlor			13.4	10.7		ug/Kg		80	52 - 115	13	30
Aldrin			13.4	10.7		ug/Kg		80	46 - 115	13	30
Heptachlor epoxide			13.3	10.3		ug/Kg		78	51 - 116	15	30
Endosulfan I			13.3	11.3		ug/Kg		84	53 - 126	12	30
Dieldrin			13.4	10.8		ug/Kg		81	59 - 120	14	30
4,4'-DDE			13.4	10.9		ug/Kg		81	56 - 118	12	30
Endrin			13.4	13.4		ug/Kg		100	60 - 140	12	30
Endosulfan II			13.3	10.6		ug/Kg		80	53 - 128	13	30
4,4'-DDD			13.4	10.9		ug/Kg		82	60 - 125	10	30
Endosulfan sulfate			13.4	9.87		ug/Kg		74	47 - 138	15	30
4,4'-DDT			13.5	8.47		ug/Kg		63	60 - 140	16	30
Methoxychlor			13.3	8.53		ug/Kg		64	60 - 140	13	30
Endrin ketone			13.4	8.76		ug/Kg		65	50 - 123	10	30
Endrin aldehyde			13.4	6.23	J	ug/Kg		46	25 - 132	20	30
cis-Chlordane			13.4	10.7		ug/Kg		79	51 - 121	11	30
trans-Chlordane			13.4	10.7		ug/Kg		80	47 - 129	12	30
Alachlor			13.4	12.2		ug/Kg		91	55 - 130	16	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*83*		*30 - 150*
Tetrachloro-m-xylene	*84*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*96*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*94*		*30 - 150*

Lab Sample ID: MB 620-42528/1-A
Matrix: Solid
Analysis Batch: 42643

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42528

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	ND		5.0	0.48	ug/Kg		12/16/24 09:29	12/18/24 15:59	1
beta-BHC	ND		5.0	0.65	ug/Kg		12/16/24 09:29	12/18/24 15:59	1
delta-BHC	ND		5.0	0.83	ug/Kg		12/16/24 09:29	12/18/24 15:59	1
gamma-BHC (Lindane)	ND		2.0	0.45	ug/Kg		12/16/24 09:29	12/18/24 15:59	1
Heptachlor	ND		5.0	0.61	ug/Kg		12/16/24 09:29	12/18/24 15:59	1
Aldrin	ND		5.0	0.47	ug/Kg		12/16/24 09:29	12/18/24 15:59	1
Heptachlor epoxide	ND		5.0	0.52	ug/Kg		12/16/24 09:29	12/18/24 15:59	1
Endosulfan I	ND		5.0	0.52	ug/Kg		12/16/24 09:29	12/18/24 15:59	1
Dieldrin	ND		5.0	0.55	ug/Kg		12/16/24 09:29	12/18/24 15:59	1
4,4'-DDE	ND		8.0	0.66	ug/Kg		12/16/24 09:29	12/18/24 15:59	1
Endrin	ND		8.0	0.71	ug/Kg		12/16/24 09:29	12/18/24 15:59	1
Endosulfan II	ND		8.0	0.52	ug/Kg		12/16/24 09:29	12/18/24 15:59	1
4,4'-DDD	ND		8.0	1.2	ug/Kg		12/16/24 09:29	12/18/24 15:59	1
Endosulfan sulfate	ND		8.0	0.53	ug/Kg		12/16/24 09:29	12/18/24 15:59	1
4,4'-DDT	ND		8.0	1.3	ug/Kg		12/16/24 09:29	12/18/24 15:59	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 620-42528/1-A
Matrix: Solid
Analysis Batch: 42643

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42528

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	ND		8.0	1.5	ug/Kg		12/16/24 09:29	12/18/24 15:59	1
Endrin ketone	ND		8.0	0.56	ug/Kg		12/16/24 09:29	12/18/24 15:59	1
Endrin aldehyde	ND		8.0	0.93	ug/Kg		12/16/24 09:29	12/18/24 15:59	1
cis-Chlordane	ND		5.0	0.49	ug/Kg		12/16/24 09:29	12/18/24 15:59	1
trans-Chlordane	ND		5.0	0.72	ug/Kg		12/16/24 09:29	12/18/24 15:59	1
Toxaphene	ND		100	71	ug/Kg		12/16/24 09:29	12/18/24 15:59	1
Alachlor	ND		5.0	1.4	ug/Kg		12/16/24 09:29	12/18/24 15:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*74*		*30 - 150*	*12/16/24 09:29*	*12/18/24 15:59*	*1*
Tetrachloro-m-xylene	*81*		*30 - 150*	*12/16/24 09:29*	*12/18/24 15:59*	*1*
DCB Decachlorobiphenyl (Surr)	*81*		*30 - 150*	*12/16/24 09:29*	*12/18/24 15:59*	*1*
DCB Decachlorobiphenyl (Surr)	*80*		*30 - 150*	*12/16/24 09:29*	*12/18/24 15:59*	*1*

Lab Sample ID: LCS 620-42528/4-A
Matrix: Solid
Analysis Batch: 42643

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42528

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
alpha-BHC	13.4	11.0		ug/Kg		82	48 - 112
alpha-BHC	13.4	12.8		ug/Kg		96	48 - 112
beta-BHC	13.3	10.4		ug/Kg		78	55 - 117
beta-BHC	13.3	13.0		ug/Kg		98	55 - 117
delta-BHC	13.4	11.9		ug/Kg		89	51 - 113
delta-BHC	13.4	15.1		ug/Kg		113	51 - 113
gamma-BHC (Lindane)	13.5	10.9		ug/Kg		81	51 - 113
gamma-BHC (Lindane)	13.5	12.6		ug/Kg		93	51 - 113
Heptachlor	13.4	10.6		ug/Kg		79	52 - 115
Heptachlor	13.4	11.0		ug/Kg		82	52 - 115
Aldrin	13.4	10.9		ug/Kg		82	46 - 115
Aldrin	13.4	12.3		ug/Kg		92	46 - 115
Heptachlor epoxide	13.3	10.6		ug/Kg		80	51 - 116
Heptachlor epoxide	13.3	11.0		ug/Kg		82	51 - 116
Endosulfan I	13.3	11.3		ug/Kg		85	53 - 126
Endosulfan I	13.3	10.7		ug/Kg		80	53 - 126
Dieldrin	13.4	11.1		ug/Kg		83	59 - 120
Dieldrin	13.4	12.6		ug/Kg		95	59 - 120
4,4'-DDE	13.4	11.2		ug/Kg		83	56 - 118
4,4'-DDE	13.4	13.3		ug/Kg		99	56 - 118
Endrin	13.4	12.9		ug/Kg		96	60 - 140
Endrin	13.4	14.1		ug/Kg		106	60 - 140
Endosulfan II	13.3	10.8		ug/Kg		81	53 - 128
Endosulfan II	13.3	11.4		ug/Kg		85	53 - 128
4,4'-DDD	13.4	11.5		ug/Kg		86	60 - 125
4,4'-DDD	13.4	13.4		ug/Kg		100	60 - 125
Endosulfan sulfate	13.4	9.40		ug/Kg		70	47 - 138
Endosulfan sulfate	13.4	10.7		ug/Kg		79	47 - 138
4,4'-DDT	13.5	9.55		ug/Kg		71	60 - 140

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 620-42528/4-A
Matrix: Solid
Analysis Batch: 42643

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42528

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
4,4'-DDT			13.5	9.78		ug/Kg		73	60 - 140		
Methoxychlor			13.3	5.12	J p *-	ug/Kg		38	60 - 140		
Methoxychlor			13.3	10.3		ug/Kg		77	60 - 140		
Endrin ketone			13.4	7.41	J	ug/Kg		55	50 - 123		
Endrin ketone			13.4	9.46		ug/Kg		71	50 - 123		
Endrin aldehyde			13.4	2.73	J p *-	ug/Kg		20	25 - 132		
Endrin aldehyde			13.4	9.60		ug/Kg		72	25 - 132		
cis-Chlordane			13.4	10.8		ug/Kg		80	51 - 121		
cis-Chlordane			13.4	11.1		ug/Kg		83	51 - 121		
trans-Chlordane			13.4	10.9		ug/Kg		81	47 - 129		
trans-Chlordane			13.4	11.0		ug/Kg		82	47 - 129		
Alachlor			13.4	11.9		ug/Kg		89	55 - 130		
Alachlor			13.4	11.1		ug/Kg		83	55 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*90*		*30 - 150*
Tetrachloro-m-xylene	*97*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*97*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*90*		*30 - 150*

Lab Sample ID: LCSD 620-42528/5-A
Matrix: Solid
Analysis Batch: 42643

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 42528

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
alpha-BHC			13.4	11.4		ug/Kg		85	48 - 112	3	30
alpha-BHC			13.4	13.1		ug/Kg		98	48 - 112	3	30
beta-BHC			13.3	10.8		ug/Kg		81	55 - 117	4	30
beta-BHC			13.3	13.6		ug/Kg		102	55 - 117	4	30
delta-BHC			13.4	12.4		ug/Kg		92	51 - 113	3	30
delta-BHC			13.4	17.4	*+	ug/Kg		130	51 - 113	14	30
gamma-BHC (Lindane)			13.5	11.3		ug/Kg		84	51 - 113	3	30
gamma-BHC (Lindane)			13.5	12.9		ug/Kg		96	51 - 113	3	30
Heptachlor			13.4	11.0		ug/Kg		83	52 - 115	4	30
Heptachlor			13.4	11.5		ug/Kg		86	52 - 115	4	30
Aldrin			13.4	11.3		ug/Kg		84	46 - 115	3	30
Aldrin			13.4	12.7		ug/Kg		95	46 - 115	4	30
Heptachlor epoxide			13.3	11.1		ug/Kg		83	51 - 116	4	30
Heptachlor epoxide			13.3	11.4		ug/Kg		85	51 - 116	4	30
Endosulfan I			13.3	11.7		ug/Kg		88	53 - 126	3	30
Endosulfan I			13.3	12.0		ug/Kg		90	53 - 126	12	30
Dieldrin			13.4	11.7		ug/Kg		88	59 - 120	6	30
Dieldrin			13.4	13.3		ug/Kg		100	59 - 120	5	30
4,4'-DDE			13.4	11.6		ug/Kg		86	56 - 118	4	30
4,4'-DDE			13.4	13.1		ug/Kg		97	56 - 118	2	30
Endrin			13.4	13.7		ug/Kg		102	60 - 140	6	30
Endrin			13.4	15.0		ug/Kg		112	60 - 140	6	30
Endosulfan II			13.3	10.6		ug/Kg		80	53 - 128	2	30

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 620-42528/5-A
Matrix: Solid
Analysis Batch: 42643

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 42528

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Endosulfan II			13.3	11.9		ug/Kg		89	53 - 128	5	30
4,4'-DDD			13.4	11.6		ug/Kg		87	60 - 125	1	30
4,4'-DDD			13.4	14.2		ug/Kg		106	60 - 125	5	30
Endosulfan sulfate			13.4	10.0		ug/Kg		75	47 - 138	6	30
Endosulfan sulfate			13.4	11.4		ug/Kg		85	47 - 138	7	30
4,4'-DDT			13.5	9.89		ug/Kg		73	60 - 140	3	30
4,4'-DDT			13.5	10.8		ug/Kg		80	60 - 140	10	30
Methoxychlor			13.3	5.32	J p *-	ug/Kg		40	60 - 140	4	30
Methoxychlor			13.3	11.0		ug/Kg		83	60 - 140	7	30
Endrin ketone			13.4	7.89	J	ug/Kg		59	50 - 123	6	30
Endrin ketone			13.4	9.92		ug/Kg		74	50 - 123	5	30
Endrin aldehyde			13.4	3.56	J p	ug/Kg		26	25 - 132	26	30
Endrin aldehyde			13.4	10.1		ug/Kg		75	25 - 132	5	30
cis-Chlordane			13.4	11.1		ug/Kg		82	51 - 121	3	30
cis-Chlordane			13.4	11.7		ug/Kg		87	51 - 121	5	30
trans-Chlordane			13.4	11.4		ug/Kg		85	47 - 129	5	30
trans-Chlordane			13.4	11.5		ug/Kg		86	47 - 129	5	30
Alachlor			13.4	12.4		ug/Kg		92	55 - 130	4	30
Alachlor			13.4	11.7		ug/Kg		88	55 - 130	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*91*		*30 - 150*
Tetrachloro-m-xylene	*99*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*94*		*30 - 150*
DCB Decachlorobiphenyl (Surr)	*95*		*30 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 620-42359/1-A
Matrix: Solid
Analysis Batch: 42447

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42359

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.0	0.38	mg/Kg		12/11/24 07:59	12/12/24 15:35	1
Arsenic	ND		1.5	0.19	mg/Kg		12/11/24 07:59	12/12/24 15:35	1
Beryllium	ND		0.50	0.025	mg/Kg		12/11/24 07:59	12/12/24 15:35	1
Barium	0.160	J	1.0	0.12	mg/Kg		12/11/24 07:59	12/12/24 15:35	1
Cadmium	ND		0.50	0.026	mg/Kg		12/11/24 07:59	12/12/24 15:35	1
Chromium	ND		1.0	0.13	mg/Kg		12/11/24 07:59	12/12/24 15:35	1
Copper	ND		1.0	0.24	mg/Kg		12/11/24 07:59	12/12/24 15:35	1
Lead	ND		1.5	0.21	mg/Kg		12/11/24 07:59	12/12/24 15:35	1
Nickel	ND		1.0	0.12	mg/Kg		12/11/24 07:59	12/12/24 15:35	1
Selenium	ND		1.5	0.29	mg/Kg		12/11/24 07:59	12/12/24 15:35	1
Silver	ND		1.5	0.16	mg/Kg		12/11/24 07:59	12/12/24 15:35	1
Thallium	ND		3.0	1.1	mg/Kg		12/11/24 07:59	12/12/24 15:35	1
Zinc	ND		3.0	0.77	mg/Kg		12/11/24 07:59	12/12/24 15:35	1

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 620-42359/2-A ^5
Matrix: Solid
Analysis Batch: 42447

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42359

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	121	76.5		mg/Kg		63.3	0.0 - 200.8
Arsenic	242	204		mg/Kg		84.5	81.8 - 118.6
Beryllium	160	137		mg/Kg		85.5	82.5 - 117.5
Barium	295	260		mg/Kg		88.3	81.7 - 118.3
Cadmium	84.3	72.1		mg/Kg		85.5	82.2 - 117.8
Chromium	239	194		mg/Kg		81.1	72.4 - 106.3
Copper	217	170		mg/Kg		78.4	74.7 - 105.1
Lead	194	167		mg/Kg		86.1	82.0 - 118.6
Nickel	298	254		mg/Kg		85.4	82.2 - 117.8
Selenium	272	229		mg/Kg		84.2	80.1 - 119.5
Silver	76.7	65.1		mg/Kg		84.9	79.5 - 120.5
Thallium	108	88.5		mg/Kg		82.0	80.0 - 119.4
Zinc	236	196		mg/Kg		83.1	80.1 - 120.3

Lab Sample ID: MB 620-42362/1-A
Matrix: Solid
Analysis Batch: 42509

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42362

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		5.0	0.38	mg/Kg		12/11/24 08:07	12/12/24 18:48	1
Arsenic	ND		1.5	0.19	mg/Kg		12/11/24 08:07	12/12/24 18:48	1
Beryllium	ND		0.50	0.025	mg/Kg		12/11/24 08:07	12/12/24 18:48	1
Barium	ND		1.0	0.12	mg/Kg		12/11/24 08:07	12/12/24 18:48	1
Cadmium	ND		0.50	0.026	mg/Kg		12/11/24 08:07	12/12/24 18:48	1
Chromium	ND		1.0	0.13	mg/Kg		12/11/24 08:07	12/12/24 18:48	1
Copper	ND		1.0	0.24	mg/Kg		12/11/24 08:07	12/12/24 18:48	1
Lead	ND		1.5	0.21	mg/Kg		12/11/24 08:07	12/12/24 18:48	1
Nickel	ND		1.0	0.12	mg/Kg		12/11/24 08:07	12/12/24 18:48	1
Selenium	ND		1.5	0.29	mg/Kg		12/11/24 08:07	12/12/24 18:48	1
Silver	ND		1.5	0.16	mg/Kg		12/11/24 08:07	12/12/24 18:48	1
Thallium	ND		3.0	1.1	mg/Kg		12/11/24 08:07	12/12/24 18:48	1
Zinc	ND		3.0	0.77	mg/Kg		12/11/24 08:07	12/12/24 18:48	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 620-42362/2-A ^4
Matrix: Solid
Analysis Batch: 42509

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42362

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	121	93.2		mg/Kg		77.0	0.0 - 200.8
Arsenic	242	243		mg/Kg		100.5	81.8 - 118.6
Beryllium	160	160		mg/Kg		99.8	82.5 - 117.5
Barium	295	298		mg/Kg		101.1	81.7 - 118.3
Cadmium	84.3	89.7		mg/Kg		106.5	82.2 - 117.8
Chromium	239	227		mg/Kg		95.0	72.4 - 106.3
Copper	217	208		mg/Kg		95.8	74.7 - 105.1
Lead	194	203		mg/Kg		104.7	82.0 - 118.6
Nickel	298	316		mg/Kg		106.2	82.2 - 117.8
Selenium	272	275		mg/Kg		100.9	80.1 - 119.5
Silver	76.7	75.3		mg/Kg		98.1	79.5 - 120.5
Thallium	108	107		mg/Kg		99.2	80.0 - 119.4
Zinc	236	243		mg/Kg		102.9	80.1 - 120.3

Lab Sample ID: 620-22803-23 MS
Matrix: Solid
Analysis Batch: 42509

Client Sample ID: SB-6-2.0
Prep Type: Total/NA
Prep Batch: 42362

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.64	J F1 F2	610	351	F1	mg/Kg	☼	57	75 - 125
Arsenic	9.4	F2	610	695		mg/Kg	☼	112	75 - 125
Beryllium	0.15	J F2	610	574		mg/Kg	☼	94	75 - 125
Barium	18	F1 F2	610	801	F1	mg/Kg	☼	128	75 - 125
Cadmium	0.38	J F2	610	582		mg/Kg	☼	95	75 - 125
Chromium	22	F1 F2	610	822	F1	mg/Kg	☼	131	75 - 125
Copper	6.9	F2	610	640		mg/Kg	☼	104	75 - 125
Lead	14	F1 F2	610	827	F1	mg/Kg	☼	133	75 - 125
Nickel	27	F1 F2	610	843	F1	mg/Kg	☼	134	75 - 125
Selenium	ND	F2	610	559		mg/Kg	☼	92	75 - 125
Silver	ND	F2	610	535		mg/Kg	☼	88	75 - 125
Thallium	ND	F2	610	535		mg/Kg	☼	88	75 - 125
Zinc	33	F1 F2	610	931	F1	mg/Kg	☼	147	75 - 125

Lab Sample ID: 620-22803-23 MSD
Matrix: Solid
Analysis Batch: 42509

Client Sample ID: SB-6-2.0
Prep Type: Total/NA
Prep Batch: 42362

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	0.64	J F1 F2	59.4	29.1	F1 F2	mg/Kg	☼	48	75 - 125	169	20

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 620-22803-23 MSD — **Client Sample ID: SB-6-2.0**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 42509 — **Prep Batch: 42362**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	9.4	F2	59.4	80.1	F2	mg/Kg	☼	119	75 - 125	159	20
Beryllium	0.15	J F2	59.4	50.0	F2	mg/Kg	☼	84	75 - 125	168	20
Barium	18	F1 F2	59.4	71.9	F2	mg/Kg	☼	91	75 - 125	167	20
Cadmium	0.38	J F2	59.4	50.9	F2	mg/Kg	☼	85	75 - 125	168	20
Chromium	22	F1 F2	59.4	71.9	F2	mg/Kg	☼	84	75 - 125	168	20
Copper	6.9	F2	59.4	55.9	F2	mg/Kg	☼	83	75 - 125	168	20
Lead	14	F1 F2	59.4	130	F1 F2	mg/Kg	☼	195	75 - 125	146	20
Nickel	27	F1 F2	59.4	72.4	F2	mg/Kg	☼	77	75 - 125	168	20
Selenium	ND	F2	59.4	48.4	F2	mg/Kg	☼	81	75 - 125	168	20
Silver	ND	F2	59.4	47.3	F2	mg/Kg	☼	80	75 - 125	168	20
Thallium	ND	F2	59.4	47.0	F2	mg/Kg	☼	79	75 - 125	168	20
Zinc	33	F1 F2	59.4	84.5	F2	mg/Kg	☼	87	75 - 125	167	20

Lab Sample ID: 620-22803-23 DU — **Client Sample ID: SB-6-2.0**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 42509 — **Prep Batch: 42362**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	0.64	J F1 F2	1.11	J F5	mg/Kg	☼	53	20
Arsenic	9.4	F2	11.1		mg/Kg	☼	16	20
Beryllium	0.15	J F2	0.143	J	mg/Kg	☼	6	20
Barium	18	F1 F2	19.2		mg/Kg	☼	6	20
Cadmium	0.38	J F2	0.355	J	mg/Kg	☼	6	20
Chromium	22	F1 F2	18.2		mg/Kg	☼	18	20
Copper	6.9	F2	6.42		mg/Kg	☼	7	20
Lead	14	F1 F2	21.0	F3	mg/Kg	☼	39	20
Nickel	27	F1 F2	21.6	F3	mg/Kg	☼	22	20
Selenium	ND	F2	ND		mg/Kg	☼	NC	20
Silver	ND	F2	ND		mg/Kg	☼	NC	20
Thallium	ND	F2	ND		mg/Kg	☼	NC	20
Zinc	33	F1 F2	32.2		mg/Kg	☼	1	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 620-42391/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 42430 — **Prep Batch: 42391**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.050	0.0083	mg/Kg		12/11/24 17:17	12/11/24 15:18	1

Lab Sample ID: LCSSRM 620-42391/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 42430 — **Prep Batch: 42391**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	22.8	25.2		mg/Kg		110.7	70.6 - 129.4

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: MB 620-42542/1-A
Matrix: Solid
Analysis Batch: 42649

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 42542

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.050	0.0083	mg/Kg		12/16/24 11:19	12/16/24 15:32	1

Lab Sample ID: LCSSRM 620-42542/2-A ^50
Matrix: Solid
Analysis Batch: 42649

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 42542

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	22.8	22.5		mg/Kg		98.6	70.6 - 129.4

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

GC/MS VOA

Analysis Batch: 42517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22803-16	SB-3-2.0	Total/NA	Solid	8260D	42535
620-22803-17	SB-3-2.0-FD	Total/NA	Solid	8260D	42535
620-22803-18	SB-3-4.0	Total/NA	Solid	8260D	42535
620-22803-19	SB-4-2.0	Total/NA	Solid	8260D	42535
620-22803-20	SB-4-4.0	Total/NA	Solid	8260D	42535
620-22803-21	SB-2-2.0	Total/NA	Solid	8260D	42535
620-22803-22	SB-2-4.0	Total/NA	Solid	8260D	42535
620-22803-30	TB-1242024	Total/NA	Solid	8260D	42535
MB 620-42535/3-A	Method Blank	Total/NA	Solid	8260D	42535
LCS 620-42535/1-A	Lab Control Sample	Total/NA	Solid	8260D	42535
LCSD 620-42535/2-A	Lab Control Sample Dup	Total/NA	Solid	8260D	42535

Prep Batch: 42535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22803-16	SB-3-2.0	Total/NA	Solid	5035	
620-22803-17	SB-3-2.0-FD	Total/NA	Solid	5035	
620-22803-18	SB-3-4.0	Total/NA	Solid	5035	
620-22803-19	SB-4-2.0	Total/NA	Solid	5035	
620-22803-20	SB-4-4.0	Total/NA	Solid	5035	
620-22803-21	SB-2-2.0	Total/NA	Solid	5035	
620-22803-22	SB-2-4.0	Total/NA	Solid	5035	
620-22803-30	TB-1242024	Total/NA	Solid	5035	
MB 620-42535/3-A	Method Blank	Total/NA	Solid	5035	
LCS 620-42535/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 620-42535/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC/MS Semi VOA

Prep Batch: 42474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22803-16	SB-3-2.0	Total/NA	Solid	3546	
620-22803-17	SB-3-2.0-FD	Total/NA	Solid	3546	
620-22803-18	SB-3-4.0	Total/NA	Solid	3546	
620-22803-19	SB-4-2.0	Total/NA	Solid	3546	
620-22803-20	SB-4-4.0	Total/NA	Solid	3546	
620-22803-21	SB-2-2.0	Total/NA	Solid	3546	
620-22803-22	SB-2-4.0	Total/NA	Solid	3546	
MB 620-42474/1-A	Method Blank	Total/NA	Solid	3546	
LCS 620-42474/4-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 620-42474/5-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 42596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22803-16	SB-3-2.0	Total/NA	Solid	8270D_LL_PAH	42474
620-22803-17	SB-3-2.0-FD	Total/NA	Solid	8270D_LL_PAH	42474
620-22803-18	SB-3-4.0	Total/NA	Solid	8270D_LL_PAH	42474
620-22803-19	SB-4-2.0	Total/NA	Solid	8270D_LL_PAH	42474
620-22803-20	SB-4-4.0	Total/NA	Solid	8270D_LL_PAH	42474
620-22803-21	SB-2-2.0	Total/NA	Solid	8270D_LL_PAH	42474
620-22803-22	SB-2-4.0	Total/NA	Solid	8270D_LL_PAH	42474
MB 620-42474/1-A	Method Blank	Total/NA	Solid	8270D_LL_PAH	42474

GC/MS Semi VOA (Continued)

Analysis Batch: 42596 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 620-42474/4-A	Lab Control Sample	Total/NA	Solid	8270D_LL_PAH	42474
LCSD 620-42474/5-A	Lab Control Sample Dup	Total/NA	Solid	8270D_LL_PAH	42474

GC Semi VOA

Prep Batch: 42437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22803-1	SB-11-2.0	Total/NA	Solid	3546	
620-22803-2	SB-11-4.0	Total/NA	Solid	3546	
620-22803-3	SB-12-2.0	Total/NA	Solid	3546	
620-22803-4	SB-12-4.0	Total/NA	Solid	3546	
620-22803-5	SB-8-2.0	Total/NA	Solid	3546	
620-22803-6	SB-8-4.0	Total/NA	Solid	3546	
620-22803-7	SB-9-2.0	Total/NA	Solid	3546	
620-22803-8	SB-9-4.0	Total/NA	Solid	3546	
620-22803-9	SB-10-2.0	Total/NA	Solid	3546	
620-22803-10	SB-10-4.0	Total/NA	Solid	3546	
620-22803-11	SB-1-1.0	Total/NA	Solid	3546	
620-22803-15	SD-5	Total/NA	Solid	3546	
620-22803-16	SB-3-2.0	Total/NA	Solid	3546	
620-22803-17	SB-3-2.0-FD	Total/NA	Solid	3546	
620-22803-18	SB-3-4.0	Total/NA	Solid	3546	
620-22803-19	SB-4-2.0	Total/NA	Solid	3546	
620-22803-20	SB-4-4.0	Total/NA	Solid	3546	
620-22803-21	SB-2-2.0	Total/NA	Solid	3546	
620-22803-22	SB-2-4.0	Total/NA	Solid	3546	
620-22803-23	SB-6-2.0	Total/NA	Solid	3546	
MB 620-42437/1-A	Method Blank	Total/NA	Solid	3546	
LCS 620-42437/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 620-42437/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 42528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22803-24	SB-6-4.0	Total/NA	Solid	3546	
620-22803-25	SB-7-2.0	Total/NA	Solid	3546	
620-22803-26	SB-7-4.0	Total/NA	Solid	3546	
620-22803-27	SB-5-2.0	Total/NA	Solid	3546	
620-22803-28	SB-5-4.0	Total/NA	Solid	3546	
620-22803-29	SB-5-4.0-FD	Total/NA	Solid	3546	
MB 620-42528/1-A	Method Blank	Total/NA	Solid	3546	
LCS 620-42528/4-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 620-42528/5-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 42575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22803-1	SB-11-2.0	Total/NA	Solid	8081B	42437
620-22803-2	SB-11-4.0	Total/NA	Solid	8081B	42437
620-22803-3	SB-12-2.0	Total/NA	Solid	8081B	42437
620-22803-4	SB-12-4.0	Total/NA	Solid	8081B	42437
620-22803-5	SB-8-2.0	Total/NA	Solid	8081B	42437
620-22803-6	SB-8-4.0	Total/NA	Solid	8081B	42437

GC Semi VOA (Continued)

Analysis Batch: 42575 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 620-42437/1-A	Method Blank	Total/NA	Solid	8081B	42437
LCS 620-42437/2-A	Lab Control Sample	Total/NA	Solid	8081B	42437
LCSD 620-42437/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	42437

Analysis Batch: 42643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22803-7	SB-9-2.0	Total/NA	Solid	8081B	42437
620-22803-8	SB-9-4.0	Total/NA	Solid	8081B	42437
620-22803-9	SB-10-2.0	Total/NA	Solid	8081B	42437
620-22803-10	SB-10-4.0	Total/NA	Solid	8081B	42437
620-22803-11	SB-1-1.0	Total/NA	Solid	8081B	42437
620-22803-15	SD-5	Total/NA	Solid	8081B	42437
620-22803-16	SB-3-2.0	Total/NA	Solid	8081B	42437
620-22803-17	SB-3-2.0-FD	Total/NA	Solid	8081B	42437
620-22803-18	SB-3-4.0	Total/NA	Solid	8081B	42437
620-22803-19	SB-4-2.0	Total/NA	Solid	8081B	42437
620-22803-20	SB-4-4.0	Total/NA	Solid	8081B	42437
620-22803-24	SB-6-4.0	Total/NA	Solid	8081B	42528
620-22803-25	SB-7-2.0	Total/NA	Solid	8081B	42528
620-22803-26	SB-7-4.0	Total/NA	Solid	8081B	42528
620-22803-27	SB-5-2.0	Total/NA	Solid	8081B	42528
620-22803-28	SB-5-4.0	Total/NA	Solid	8081B	42528
620-22803-29	SB-5-4.0-FD	Total/NA	Solid	8081B	42528
MB 620-42528/1-A	Method Blank	Total/NA	Solid	8081B	42528
LCS 620-42528/4-A	Lab Control Sample	Total/NA	Solid	8081B	42528
LCSD 620-42528/5-A	Lab Control Sample Dup	Total/NA	Solid	8081B	42528

Analysis Batch: 42704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22803-7	SB-9-2.0	Total/NA	Solid	8081B	42437
620-22803-21	SB-2-2.0	Total/NA	Solid	8081B	42437
620-22803-22	SB-2-4.0	Total/NA	Solid	8081B	42437
620-22803-23	SB-6-2.0	Total/NA	Solid	8081B	42437

Metals

Prep Batch: 42359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22803-1	SB-11-2.0	Total/NA	Solid	3050B	
620-22803-2	SB-11-4.0	Total/NA	Solid	3050B	
620-22803-3	SB-12-2.0	Total/NA	Solid	3050B	
620-22803-4	SB-12-4.0	Total/NA	Solid	3050B	
620-22803-5	SB-8-2.0	Total/NA	Solid	3050B	
620-22803-6	SB-8-4.0	Total/NA	Solid	3050B	
620-22803-7	SB-9-2.0	Total/NA	Solid	3050B	
620-22803-8	SB-9-4.0	Total/NA	Solid	3050B	
620-22803-9	SB-10-2.0	Total/NA	Solid	3050B	
620-22803-10	SB-10-4.0	Total/NA	Solid	3050B	
620-22803-11	SB-1-1.0	Total/NA	Solid	3050B	
620-22803-15	SD-5	Total/NA	Solid	3050B	
620-22803-16	SB-3-2.0	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 42359 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22803-17	SB-3-2.0-FD	Total/NA	Solid	3050B	
620-22803-18	SB-3-4.0	Total/NA	Solid	3050B	
620-22803-19	SB-4-2.0	Total/NA	Solid	3050B	
620-22803-20	SB-4-4.0	Total/NA	Solid	3050B	
620-22803-21	SB-2-2.0	Total/NA	Solid	3050B	
620-22803-22	SB-2-4.0	Total/NA	Solid	3050B	
MB 620-42359/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 620-42359/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 42362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22803-23	SB-6-2.0	Total/NA	Solid	3050B	
620-22803-24	SB-6-4.0	Total/NA	Solid	3050B	
620-22803-25	SB-7-2.0	Total/NA	Solid	3050B	
620-22803-26	SB-7-4.0	Total/NA	Solid	3050B	
620-22803-27	SB-5-2.0	Total/NA	Solid	3050B	
620-22803-28	SB-5-4.0	Total/NA	Solid	3050B	
620-22803-29	SB-5-4.0-FD	Total/NA	Solid	3050B	
MB 620-42362/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 620-42362/2-A ^4	Lab Control Sample	Total/NA	Solid	3050B	
620-22803-23 MS	SB-6-2.0	Total/NA	Solid	3050B	
620-22803-23 MSD	SB-6-2.0	Total/NA	Solid	3050B	
620-22803-23 DU	SB-6-2.0	Total/NA	Solid	3050B	

Prep Batch: 42391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22803-1	SB-11-2.0	Total/NA	Solid	7471B	
620-22803-2	SB-11-4.0	Total/NA	Solid	7471B	
620-22803-3	SB-12-2.0	Total/NA	Solid	7471B	
620-22803-4	SB-12-4.0	Total/NA	Solid	7471B	
620-22803-6	SB-8-4.0	Total/NA	Solid	7471B	
620-22803-9	SB-10-2.0	Total/NA	Solid	7471B	
620-22803-10	SB-10-4.0	Total/NA	Solid	7471B	
620-22803-11	SB-1-1.0	Total/NA	Solid	7471B	
620-22803-15	SD-5	Total/NA	Solid	7471B	
MB 620-42391/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 620-42391/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 42430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22803-1	SB-11-2.0	Total/NA	Solid	7471B	42391
620-22803-2	SB-11-4.0	Total/NA	Solid	7471B	42391
620-22803-3	SB-12-2.0	Total/NA	Solid	7471B	42391
620-22803-4	SB-12-4.0	Total/NA	Solid	7471B	42391
620-22803-6	SB-8-4.0	Total/NA	Solid	7471B	42391
620-22803-9	SB-10-2.0	Total/NA	Solid	7471B	42391
620-22803-10	SB-10-4.0	Total/NA	Solid	7471B	42391
620-22803-11	SB-1-1.0	Total/NA	Solid	7471B	42391
620-22803-15	SD-5	Total/NA	Solid	7471B	42391
MB 620-42391/1-A	Method Blank	Total/NA	Solid	7471B	42391
LCSSRM 620-42391/2-A	Lab Control Sample	Total/NA	Solid	7471B	42391

Metals

Analysis Batch: 42447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22803-1	SB-11-2.0	Total/NA	Solid	6010D	42359
620-22803-2	SB-11-4.0	Total/NA	Solid	6010D	42359
620-22803-3	SB-12-2.0	Total/NA	Solid	6010D	42359
MB 620-42359/1-A	Method Blank	Total/NA	Solid	6010D	42359
LCSSRM 620-42359/2-A ^5	Lab Control Sample	Total/NA	Solid	6010D	42359

Analysis Batch: 42509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22803-4	SB-12-4.0	Total/NA	Solid	6010D	42359
620-22803-5	SB-8-2.0	Total/NA	Solid	6010D	42359
620-22803-6	SB-8-4.0	Total/NA	Solid	6010D	42359
620-22803-7	SB-9-2.0	Total/NA	Solid	6010D	42359
620-22803-8	SB-9-4.0	Total/NA	Solid	6010D	42359
620-22803-9	SB-10-2.0	Total/NA	Solid	6010D	42359
620-22803-10	SB-10-4.0	Total/NA	Solid	6010D	42359
620-22803-11	SB-1-1.0	Total/NA	Solid	6010D	42359
620-22803-15	SD-5	Total/NA	Solid	6010D	42359
620-22803-16	SB-3-2.0	Total/NA	Solid	6010D	42359
620-22803-17	SB-3-2.0-FD	Total/NA	Solid	6010D	42359
620-22803-18	SB-3-4.0	Total/NA	Solid	6010D	42359
620-22803-19	SB-4-2.0	Total/NA	Solid	6010D	42359
620-22803-20	SB-4-4.0	Total/NA	Solid	6010D	42359
620-22803-21	SB-2-2.0	Total/NA	Solid	6010D	42359
620-22803-22	SB-2-4.0	Total/NA	Solid	6010D	42359
620-22803-23	SB-6-2.0	Total/NA	Solid	6010D	42362
620-22803-24	SB-6-4.0	Total/NA	Solid	6010D	42362
620-22803-25	SB-7-2.0	Total/NA	Solid	6010D	42362
620-22803-26	SB-7-4.0	Total/NA	Solid	6010D	42362
620-22803-27	SB-5-2.0	Total/NA	Solid	6010D	42362
620-22803-28	SB-5-4.0	Total/NA	Solid	6010D	42362
620-22803-29	SB-5-4.0-FD	Total/NA	Solid	6010D	42362
MB 620-42362/1-A	Method Blank	Total/NA	Solid	6010D	42362
LCSSRM 620-42362/2-A ^4	Lab Control Sample	Total/NA	Solid	6010D	42362
620-22803-23 MS	SB-6-2.0	Total/NA	Solid	6010D	42362
620-22803-23 MSD	SB-6-2.0	Total/NA	Solid	6010D	42362
620-22803-23 DU	SB-6-2.0	Total/NA	Solid	6010D	42362

Prep Batch: 42542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22803-5	SB-8-2.0	Total/NA	Solid	7471B	
620-22803-7	SB-9-2.0	Total/NA	Solid	7471B	
620-22803-8	SB-9-4.0	Total/NA	Solid	7471B	
620-22803-16	SB-3-2.0	Total/NA	Solid	7471B	
620-22803-17	SB-3-2.0-FD	Total/NA	Solid	7471B	
620-22803-18	SB-3-4.0	Total/NA	Solid	7471B	
620-22803-19	SB-4-2.0	Total/NA	Solid	7471B	
620-22803-20	SB-4-4.0	Total/NA	Solid	7471B	
620-22803-21	SB-2-2.0	Total/NA	Solid	7471B	
620-22803-22	SB-2-4.0	Total/NA	Solid	7471B	
620-22803-23	SB-6-2.0	Total/NA	Solid	7471B	
620-22803-24	SB-6-4.0	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 42542 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22803-25	SB-7-2.0	Total/NA	Solid	7471B	
620-22803-26	SB-7-4.0	Total/NA	Solid	7471B	
620-22803-27	SB-5-2.0	Total/NA	Solid	7471B	
620-22803-28	SB-5-4.0	Total/NA	Solid	7471B	
620-22803-29	SB-5-4.0-FD	Total/NA	Solid	7471B	
MB 620-42542/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 620-42542/2-A ^50	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 42649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22803-5	SB-8-2.0	Total/NA	Solid	7471B	42542
620-22803-7	SB-9-2.0	Total/NA	Solid	7471B	42542
620-22803-8	SB-9-4.0	Total/NA	Solid	7471B	42542
620-22803-16	SB-3-2.0	Total/NA	Solid	7471B	42542
620-22803-17	SB-3-2.0-FD	Total/NA	Solid	7471B	42542
620-22803-18	SB-3-4.0	Total/NA	Solid	7471B	42542
620-22803-19	SB-4-2.0	Total/NA	Solid	7471B	42542
620-22803-20	SB-4-4.0	Total/NA	Solid	7471B	42542
620-22803-21	SB-2-2.0	Total/NA	Solid	7471B	42542
620-22803-22	SB-2-4.0	Total/NA	Solid	7471B	42542
620-22803-23	SB-6-2.0	Total/NA	Solid	7471B	42542
620-22803-24	SB-6-4.0	Total/NA	Solid	7471B	42542
620-22803-25	SB-7-2.0	Total/NA	Solid	7471B	42542
620-22803-26	SB-7-4.0	Total/NA	Solid	7471B	42542
620-22803-27	SB-5-2.0	Total/NA	Solid	7471B	42542
620-22803-28	SB-5-4.0	Total/NA	Solid	7471B	42542
620-22803-29	SB-5-4.0-FD	Total/NA	Solid	7471B	42542
MB 620-42542/1-A	Method Blank	Total/NA	Solid	7471B	42542
LCSSRM 620-42542/2-A ^50	Lab Control Sample	Total/NA	Solid	7471B	42542

General Chemistry

Analysis Batch: 42368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22803-1	SB-11-2.0	Total/NA	Solid	Moisture	
620-22803-2	SB-11-4.0	Total/NA	Solid	Moisture	
620-22803-3	SB-12-2.0	Total/NA	Solid	Moisture	
620-22803-4	SB-12-4.0	Total/NA	Solid	Moisture	
620-22803-5	SB-8-2.0	Total/NA	Solid	Moisture	
620-22803-6	SB-8-4.0	Total/NA	Solid	Moisture	
620-22803-7	SB-9-2.0	Total/NA	Solid	Moisture	
620-22803-8	SB-9-4.0	Total/NA	Solid	Moisture	
620-22803-9	SB-10-2.0	Total/NA	Solid	Moisture	
620-22803-10	SB-10-4.0	Total/NA	Solid	Moisture	
620-22803-11	SB-1-1.0	Total/NA	Solid	Moisture	
620-22803-15	SD-5	Total/NA	Solid	Moisture	
620-22803-16	SB-3-2.0	Total/NA	Solid	Moisture	
620-22803-17	SB-3-2.0-FD	Total/NA	Solid	Moisture	
620-22803-18	SB-3-4.0	Total/NA	Solid	Moisture	
620-22803-19	SB-4-2.0	Total/NA	Solid	Moisture	
620-22803-20	SB-4-4.0	Total/NA	Solid	Moisture	

QC Association Summary

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

General Chemistry (Continued)

Analysis Batch: 42368 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-22803-21	SB-2-2.0	Total/NA	Solid	Moisture	
620-22803-22	SB-2-4.0	Total/NA	Solid	Moisture	
620-22803-23	SB-6-2.0	Total/NA	Solid	Moisture	
620-22803-24	SB-6-4.0	Total/NA	Solid	Moisture	
620-22803-25	SB-7-2.0	Total/NA	Solid	Moisture	
620-22803-26	SB-7-4.0	Total/NA	Solid	Moisture	
620-22803-27	SB-5-2.0	Total/NA	Solid	Moisture	
620-22803-28	SB-5-4.0	Total/NA	Solid	Moisture	
620-22803-29	SB-5-4.0-FD	Total/NA	Solid	Moisture	

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-11-2.0
Date Collected: 12/03/24 09:11
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client Sample ID: SB-11-2.0
Date Collected: 12/03/24 09:11
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-1
Matrix: Solid
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42437	RWS	EET RI	12/12/24 16:01
Total/NA	Analysis	8081B		1	42575	BJJ	EET RI	12/17/24 14:53
Total/NA	Prep	3050B			42359	PRB	EET RI	12/11/24 07:59
Total/NA	Analysis	6010D		2	42447	JPC	EET RI	12/12/24 16:12
Total/NA	Analysis	7471B		1	42430	DJW	EET RI	12/11/24 16:19
Total/NA	Prep	7471B			42391	DJW	EET RI	12/11/24 17:17

Client Sample ID: SB-11-4.0
Date Collected: 12/03/24 09:51
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client Sample ID: SB-11-4.0
Date Collected: 12/03/24 09:51
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-2
Matrix: Solid
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42437	RWS	EET RI	12/12/24 16:01
Total/NA	Analysis	8081B		1	42575	BJJ	EET RI	12/17/24 15:09
Total/NA	Prep	3050B			42359	PRB	EET RI	12/11/24 07:59
Total/NA	Analysis	6010D		2	42447	JPC	EET RI	12/12/24 16:18
Total/NA	Analysis	7471B		1	42430	DJW	EET RI	12/11/24 16:21
Total/NA	Prep	7471B			42391	DJW	EET RI	12/11/24 17:17

Client Sample ID: SB-12-2.0
Date Collected: 12/03/24 10:18
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-12-2.0
Date Collected: 12/03/24 10:18
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-3
Matrix: Solid
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42437	RWS	EET RI	12/12/24 16:01
Total/NA	Analysis	8081B		1	42575	BJJ	EET RI	12/17/24 15:25
Total/NA	Prep	3050B			42359	PRB	EET RI	12/11/24 07:59
Total/NA	Analysis	6010D		2	42447	JPC	EET RI	12/12/24 16:24
Total/NA	Analysis	7471B		1	42430	DJW	EET RI	12/11/24 16:23
Total/NA	Prep	7471B			42391	DJW	EET RI	12/11/24 17:17

Client Sample ID: SB-12-4.0
Date Collected: 12/03/24 10:45
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client Sample ID: SB-12-4.0
Date Collected: 12/03/24 10:45
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-4
Matrix: Solid
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42437	RWS	EET RI	12/12/24 16:01
Total/NA	Analysis	8081B		1	42575	BJJ	EET RI	12/17/24 15:41
Total/NA	Prep	3050B			42359	PRB	EET RI	12/11/24 07:59
Total/NA	Analysis	6010D		2	42509	JPC	EET RI	12/12/24 16:56
Total/NA	Analysis	7471B		1	42430	DJW	EET RI	12/11/24 16:25
Total/NA	Prep	7471B			42391	DJW	EET RI	12/11/24 17:17

Client Sample ID: SB-8-2.0
Date Collected: 12/03/24 11:16
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client Sample ID: SB-8-2.0
Date Collected: 12/03/24 11:16
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-5
Matrix: Solid
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42437	RWS	EET RI	12/12/24 16:01
Total/NA	Analysis	8081B		1	42575	BJJ	EET RI	12/17/24 15:57
Total/NA	Prep	3050B			42359	PRB	EET RI	12/11/24 07:59
Total/NA	Analysis	6010D		2	42509	JPC	EET RI	12/12/24 17:02
Total/NA	Prep	7471B			42542	PRB	EET RI	12/16/24 11:19
Total/NA	Analysis	7471B		20	42649	PRB	EET RI	12/17/24 11:35

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-8-4.0
Date Collected: 12/03/24 11:35
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client Sample ID: SB-8-4.0
Date Collected: 12/03/24 11:35
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-6
Matrix: Solid
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42437	RWS	EET RI	12/12/24 16:01
Total/NA	Analysis	8081B		1	42575	BJJ	EET RI	12/17/24 16:13
Total/NA	Prep	3050B			42359	PRB	EET RI	12/11/24 07:59
Total/NA	Analysis	6010D		2	42509	JPC	EET RI	12/12/24 17:08
Total/NA	Analysis	7471B		1	42430	DJW	EET RI	12/11/24 16:29
Total/NA	Prep	7471B			42391	DJW	EET RI	12/11/24 17:17

Client Sample ID: SB-9-2.0
Date Collected: 12/03/24 11:50
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client Sample ID: SB-9-2.0
Date Collected: 12/03/24 11:50
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-7
Matrix: Solid
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42437	RWS	EET RI	12/12/24 16:01
Total/NA	Analysis	8081B		1	42643	BJJ	EET RI	12/18/24 18:27
Total/NA	Prep	3546			42437	RWS	EET RI	12/12/24 16:01
Total/NA	Analysis	8081B		10	42704	BJJ	EET RI	12/19/24 14:10
Total/NA	Prep	3050B			42359	PRB	EET RI	12/11/24 07:59
Total/NA	Analysis	6010D		2	42509	JPC	EET RI	12/12/24 17:14
Total/NA	Prep	7471B			42542	PRB	EET RI	12/16/24 11:19
Total/NA	Analysis	7471B		5	42649	PRB	EET RI	12/16/24 15:45

Client Sample ID: SB-9-4.0
Date Collected: 12/03/24 12:10
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-9-4.0
Date Collected: 12/03/24 12:10
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-8
Matrix: Solid
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42437	RWS	EET RI	12/12/24 16:01
Total/NA	Analysis	8081B		1	42643	BJJ	EET RI	12/18/24 18:43
Total/NA	Prep	3050B			42359	PRB	EET RI	12/11/24 07:59
Total/NA	Analysis	6010D		2	42509	JPC	EET RI	12/12/24 17:21
Total/NA	Prep	7471B			42542	PRB	EET RI	12/16/24 11:19
Total/NA	Analysis	7471B		5	42649	PRB	EET RI	12/16/24 15:47

Client Sample ID: SB-10-2.0
Date Collected: 12/03/24 13:45
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client Sample ID: SB-10-2.0
Date Collected: 12/03/24 13:45
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-9
Matrix: Solid
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42437	RWS	EET RI	12/12/24 16:01
Total/NA	Analysis	8081B		1	42643	BJJ	EET RI	12/18/24 18:59
Total/NA	Prep	3050B			42359	PRB	EET RI	12/11/24 07:59
Total/NA	Analysis	6010D		2	42509	JPC	EET RI	12/12/24 17:27
Total/NA	Analysis	7471B		1	42430	DJW	EET RI	12/11/24 16:40
Total/NA	Prep	7471B			42391	DJW	EET RI	12/11/24 17:17

Client Sample ID: SB-10-4.0
Date Collected: 12/03/24 14:06
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client Sample ID: SB-10-4.0
Date Collected: 12/03/24 14:06
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-10
Matrix: Solid
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42437	RWS	EET RI	12/12/24 16:01
Total/NA	Analysis	8081B		1	42643	BJJ	EET RI	12/18/24 19:19
Total/NA	Prep	3050B			42359	PRB	EET RI	12/11/24 07:59
Total/NA	Analysis	6010D		2	42509	JPC	EET RI	12/12/24 17:33
Total/NA	Analysis	7471B		1	42430	DJW	EET RI	12/11/24 16:42
Total/NA	Prep	7471B			42391	DJW	EET RI	12/11/24 17:17

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-1-1.0
Date Collected: 12/03/24 14:35
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client Sample ID: SB-1-1.0
Date Collected: 12/03/24 14:35
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-11
Matrix: Solid
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42437	RWS	EET RI	12/12/24 16:01
Total/NA	Analysis	8081B		1	42643	BJJ	EET RI	12/18/24 19:35
Total/NA	Prep	3050B			42359	PRB	EET RI	12/11/24 07:59
Total/NA	Analysis	6010D		2	42509	JPC	EET RI	12/12/24 17:39
Total/NA	Analysis	7471B		1	42430	DJW	EET RI	12/11/24 16:44
Total/NA	Prep	7471B			42391	DJW	EET RI	12/11/24 17:17

Client Sample ID: SD-5
Date Collected: 12/03/24 15:17
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client Sample ID: SD-5
Date Collected: 12/03/24 15:17
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-15
Matrix: Solid
Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42437	RWS	EET RI	12/12/24 16:01
Total/NA	Analysis	8081B		1	42643	BJJ	EET RI	12/18/24 19:51
Total/NA	Prep	3050B			42359	PRB	EET RI	12/11/24 07:59
Total/NA	Analysis	6010D		2	42509	JPC	EET RI	12/12/24 17:45
Total/NA	Analysis	7471B		1	42430	DJW	EET RI	12/11/24 16:46
Total/NA	Prep	7471B			42391	DJW	EET RI	12/11/24 17:17

Client Sample ID: SB-3-2.0
Date Collected: 12/04/24 08:43
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-3-2.0
Date Collected: 12/04/24 08:43
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-16
Matrix: Solid
Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			42535	CLR	EET RI	12/16/24 10:48
Total/NA	Analysis	8260D		1	42517	CLR	EET RI	12/16/24 13:58
Total/NA	Prep	3546			42474	CAC	EET RI	12/13/24 11:09
Total/NA	Analysis	8270D_LL_PAH		1	42596	JS	EET RI	12/17/24 18:17
Total/NA	Prep	3546			42437	RWS	EET RI	12/12/24 16:01
Total/NA	Analysis	8081B		1	42643	BJJ	EET RI	12/18/24 20:07
Total/NA	Prep	3050B			42359	PRB	EET RI	12/11/24 07:59
Total/NA	Analysis	6010D		2	42509	JPC	EET RI	12/12/24 17:52
Total/NA	Prep	7471B			42542	PRB	EET RI	12/16/24 11:19
Total/NA	Analysis	7471B		1	42649	PRB	EET RI	12/16/24 15:49

Client Sample ID: SB-3-2.0-FD
Date Collected: 12/04/24 08:43
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client Sample ID: SB-3-2.0-FD
Date Collected: 12/04/24 08:43
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-17
Matrix: Solid
Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			42535	CLR	EET RI	12/16/24 10:48
Total/NA	Analysis	8260D		1	42517	CLR	EET RI	12/16/24 14:24
Total/NA	Prep	3546			42474	CAC	EET RI	12/13/24 11:09
Total/NA	Analysis	8270D_LL_PAH		1	42596	JS	EET RI	12/17/24 18:44
Total/NA	Prep	3546			42437	RWS	EET RI	12/12/24 16:01
Total/NA	Analysis	8081B		1	42643	BJJ	EET RI	12/18/24 20:23
Total/NA	Prep	3050B			42359	PRB	EET RI	12/11/24 07:59
Total/NA	Analysis	6010D		2	42509	JPC	EET RI	12/12/24 18:10
Total/NA	Prep	7471B			42542	PRB	EET RI	12/16/24 11:19
Total/NA	Analysis	7471B		1	42649	PRB	EET RI	12/16/24 15:52

Client Sample ID: SB-3-4.0
Date Collected: 12/04/24 09:17
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-3-4.0
Lab Sample ID: 620-22803-18
Date Collected: 12/04/24 09:17
Matrix: Solid
Date Received: 12/09/24 18:20
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			42535	CLR	EET RI	12/16/24 10:48
Total/NA	Analysis	8260D		1	42517	CLR	EET RI	12/16/24 14:50
Total/NA	Prep	3546			42474	CAC	EET RI	12/13/24 11:09
Total/NA	Analysis	8270D_LL_PAH		1	42596	JS	EET RI	12/17/24 16:01
Total/NA	Prep	3546			42437	RWS	EET RI	12/12/24 16:01
Total/NA	Analysis	8081B		1	42643	BJJ	EET RI	12/18/24 20:39
Total/NA	Prep	3050B			42359	PRB	EET RI	12/11/24 07:59
Total/NA	Analysis	6010D		2	42509	JPC	EET RI	12/12/24 18:16
Total/NA	Prep	7471B			42542	PRB	EET RI	12/16/24 11:19
Total/NA	Analysis	7471B		1	42649	PRB	EET RI	12/16/24 15:58

Client Sample ID: SB-4-2.0
Lab Sample ID: 620-22803-19
Date Collected: 12/04/24 09:44
Matrix: Solid
Date Received: 12/09/24 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client Sample ID: SB-4-2.0
Lab Sample ID: 620-22803-19
Date Collected: 12/04/24 09:44
Matrix: Solid
Date Received: 12/09/24 18:20
Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			42535	CLR	EET RI	12/16/24 10:48
Total/NA	Analysis	8260D		1	42517	CLR	EET RI	12/16/24 15:15
Total/NA	Prep	3546			42474	CAC	EET RI	12/13/24 11:09
Total/NA	Analysis	8270D_LL_PAH		1	42596	JS	EET RI	12/17/24 16:29
Total/NA	Prep	3546			42437	RWS	EET RI	12/12/24 16:01
Total/NA	Analysis	8081B		1	42643	BJJ	EET RI	12/18/24 20:55
Total/NA	Prep	3050B			42359	PRB	EET RI	12/11/24 07:59
Total/NA	Analysis	6010D		2	42509	JPC	EET RI	12/12/24 18:23
Total/NA	Prep	7471B			42542	PRB	EET RI	12/16/24 11:19
Total/NA	Analysis	7471B		1	42649	PRB	EET RI	12/16/24 16:00

Client Sample ID: SB-4-4.0
Lab Sample ID: 620-22803-20
Date Collected: 12/04/24 10:01
Matrix: Solid
Date Received: 12/09/24 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-4-4.0
Lab Sample ID: 620-22803-20
Date Collected: 12/04/24 10:01
Matrix: Solid
Date Received: 12/09/24 18:20
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			42535	CLR	EET RI	12/16/24 10:48
Total/NA	Analysis	8260D		1	42517	CLR	EET RI	12/16/24 15:40
Total/NA	Prep	3546			42474	CAC	EET RI	12/13/24 11:09
Total/NA	Analysis	8270D_LL_PAH		1	42596	JS	EET RI	12/17/24 16:56
Total/NA	Prep	3546			42437	RWS	EET RI	12/12/24 16:01
Total/NA	Analysis	8081B		1	42643	BJJ	EET RI	12/18/24 21:11
Total/NA	Prep	3050B			42359	PRB	EET RI	12/11/24 07:59
Total/NA	Analysis	6010D		2	42509	JPC	EET RI	12/12/24 18:29
Total/NA	Prep	7471B			42542	PRB	EET RI	12/16/24 11:19
Total/NA	Analysis	7471B		1	42649	PRB	EET RI	12/16/24 16:02

Client Sample ID: SB-2-2.0
Lab Sample ID: 620-22803-21
Date Collected: 12/04/24 10:48
Matrix: Solid
Date Received: 12/09/24 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client Sample ID: SB-2-2.0
Lab Sample ID: 620-22803-21
Date Collected: 12/04/24 10:48
Matrix: Solid
Date Received: 12/09/24 18:20
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			42535	CLR	EET RI	12/16/24 10:48
Total/NA	Analysis	8260D		1	42517	CLR	EET RI	12/16/24 16:05
Total/NA	Prep	3546			42474	CAC	EET RI	12/13/24 11:09
Total/NA	Analysis	8270D_LL_PAH		1	42596	JS	EET RI	12/17/24 17:24
Total/NA	Prep	3546			42437	RWS	EET RI	12/12/24 16:01
Total/NA	Analysis	8081B		1	42704	BJJ	EET RI	12/19/24 13:22
Total/NA	Prep	3050B			42359	PRB	EET RI	12/11/24 07:59
Total/NA	Analysis	6010D		2	42509	JPC	EET RI	12/12/24 18:35
Total/NA	Prep	7471B			42542	PRB	EET RI	12/16/24 11:19
Total/NA	Analysis	7471B		1	42649	PRB	EET RI	12/16/24 16:05

Client Sample ID: SB-2-4.0
Lab Sample ID: 620-22803-22
Date Collected: 12/04/24 10:54
Matrix: Solid
Date Received: 12/09/24 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-2-4.0
Date Collected: 12/04/24 10:54
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-22
Matrix: Solid
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			42535	CLR	EET RI	12/16/24 10:48
Total/NA	Analysis	8260D		1	42517	CLR	EET RI	12/16/24 16:30
Total/NA	Prep	3546			42474	CAC	EET RI	12/13/24 11:09
Total/NA	Analysis	8270D_LL_PAH		1	42596	JS	EET RI	12/17/24 17:50
Total/NA	Prep	3546			42437	RWS	EET RI	12/12/24 16:01
Total/NA	Analysis	8081B		1	42704	BJJ	EET RI	12/19/24 13:38
Total/NA	Prep	3050B			42359	PRB	EET RI	12/11/24 07:59
Total/NA	Analysis	6010D		2	42509	JPC	EET RI	12/12/24 18:42
Total/NA	Prep	7471B			42542	PRB	EET RI	12/16/24 11:19
Total/NA	Analysis	7471B		1	42649	PRB	EET RI	12/16/24 16:07

Client Sample ID: SB-6-2.0
Date Collected: 12/04/24 12:32
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client Sample ID: SB-6-2.0
Date Collected: 12/04/24 12:32
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-23
Matrix: Solid
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42437	RWS	EET RI	12/12/24 16:01
Total/NA	Analysis	8081B		1	42704	BJJ	EET RI	12/19/24 13:54
Total/NA	Prep	3050B			42362	PRB	EET RI	12/11/24 08:07
Total/NA	Analysis	6010D		2	42509	JPC	EET RI	12/12/24 19:00
Total/NA	Prep	7471B			42542	PRB	EET RI	12/16/24 11:19
Total/NA	Analysis	7471B		1	42649	PRB	EET RI	12/16/24 16:09

Client Sample ID: SB-6-4.0
Date Collected: 12/04/24 12:36
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client Sample ID: SB-6-4.0
Date Collected: 12/04/24 12:36
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-24
Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42528	JAC	EET RI	12/16/24 09:29
Total/NA	Analysis	8081B		1	42643	BJJ	EET RI	12/18/24 16:47
Total/NA	Prep	3050B			42362	PRB	EET RI	12/11/24 08:07
Total/NA	Analysis	6010D		2	42509	JPC	EET RI	12/12/24 19:37

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-6-4.0
Date Collected: 12/04/24 12:36
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-24
Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			42542	PRB	EET RI	12/16/24 11:19
Total/NA	Analysis	7471B		1	42649	PRB	EET RI	12/16/24 16:11

Client Sample ID: SB-7-2.0
Date Collected: 12/04/24 13:00
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client Sample ID: SB-7-2.0
Date Collected: 12/04/24 13:00
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-25
Matrix: Solid
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42528	JAC	EET RI	12/16/24 09:29
Total/NA	Analysis	8081B		1	42643	BJJ	EET RI	12/18/24 17:03
Total/NA	Prep	3050B			42362	PRB	EET RI	12/11/24 08:07
Total/NA	Analysis	6010D		2	42509	JPC	EET RI	12/12/24 19:43
Total/NA	Prep	7471B			42542	PRB	EET RI	12/16/24 11:19
Total/NA	Analysis	7471B		5	42649	PRB	EET RI	12/17/24 11:46

Client Sample ID: SB-7-4.0
Date Collected: 12/04/24 13:03
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client Sample ID: SB-7-4.0
Date Collected: 12/04/24 13:03
Date Received: 12/09/24 18:20

Lab Sample ID: 620-22803-26
Matrix: Solid
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42528	JAC	EET RI	12/16/24 09:29
Total/NA	Analysis	8081B		1	42643	BJJ	EET RI	12/18/24 17:19
Total/NA	Prep	3050B			42362	PRB	EET RI	12/11/24 08:07
Total/NA	Analysis	6010D		2	42509	JPC	EET RI	12/12/24 19:49
Total/NA	Prep	7471B			42542	PRB	EET RI	12/16/24 11:19
Total/NA	Analysis	7471B		1	42649	PRB	EET RI	12/16/24 16:15

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-5-2.0
Lab Sample ID: 620-22803-27
Date Collected: 12/04/24 13:31
Matrix: Solid
Date Received: 12/09/24 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client Sample ID: SB-5-2.0
Lab Sample ID: 620-22803-27
Date Collected: 12/04/24 13:31
Matrix: Solid
Date Received: 12/09/24 18:20
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42528	JAC	EET RI	12/16/24 09:29
Total/NA	Analysis	8081B		1	42643	BJJ	EET RI	12/18/24 17:35
Total/NA	Prep	3050B			42362	PRB	EET RI	12/11/24 08:07
Total/NA	Analysis	6010D		2	42509	JPC	EET RI	12/12/24 19:56
Total/NA	Prep	7471B			42542	PRB	EET RI	12/16/24 11:19
Total/NA	Analysis	7471B		1	42649	PRB	EET RI	12/16/24 16:17

Client Sample ID: SB-5-4.0
Lab Sample ID: 620-22803-28
Date Collected: 12/04/24 13:39
Matrix: Solid
Date Received: 12/09/24 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client Sample ID: SB-5-4.0
Lab Sample ID: 620-22803-28
Date Collected: 12/04/24 13:39
Matrix: Solid
Date Received: 12/09/24 18:20
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42528	JAC	EET RI	12/16/24 09:29
Total/NA	Analysis	8081B		1	42643	BJJ	EET RI	12/18/24 17:51
Total/NA	Prep	3050B			42362	PRB	EET RI	12/11/24 08:07
Total/NA	Analysis	6010D		2	42509	JPC	EET RI	12/12/24 20:02
Total/NA	Prep	7471B			42542	PRB	EET RI	12/16/24 11:19
Total/NA	Analysis	7471B		1	42649	PRB	EET RI	12/16/24 16:24

Client Sample ID: SB-5-4.0-FD
Lab Sample ID: 620-22803-29
Date Collected: 12/04/24 13:39
Matrix: Solid
Date Received: 12/09/24 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	42368	JPC	EET RI	12/11/24 08:57

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Client Sample ID: SB-5-4.0-FD

Lab Sample ID: 620-22803-29

Date Collected: 12/04/24 13:39
Matrix: Solid
Date Received: 12/09/24 18:20
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			42528	JAC	EET RI	12/16/24 09:29
Total/NA	Analysis	8081B		1	42643	BJJ	EET RI	12/18/24 18:11
Total/NA	Prep	3050B			42362	PRB	EET RI	12/11/24 08:07
Total/NA	Analysis	6010D		2	42509	JPC	EET RI	12/12/24 20:08
Total/NA	Prep	7471B			42542	PRB	EET RI	12/16/24 11:19
Total/NA	Analysis	7471B		1	42649	PRB	EET RI	12/16/24 16:26

Client Sample ID: TB-1242024

Lab Sample ID: 620-22803-30

Date Collected: 12/04/24 16:46
Matrix: Solid
Date Received: 12/09/24 18:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			42535	CLR	EET RI	12/16/24 10:48
Total/NA	Analysis	8260D		1	42517	CLR	EET RI	12/16/24 13:32

Laboratory References:

EET RI = Eurofins Rhode Island, 646 Camp Ave, North Kingstown, RI 02852, TEL (413)789-9018

Accreditation/Certification Summary

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Laboratory: Eurofins Rhode Island

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7165.01	01-31-26
Connecticut	State	PH-0722	06-30-26
Maine	State	RI00100	05-09-25
Massachusetts	State	M-RI907	06-30-25
New Hampshire	NELAP	2245	09-17-25
New Jersey	NELAP	RI008	06-30-25
New York	NELAP	11393	04-01-25
Rhode Island	State	LAI00368	12-31-25

Method Summary

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET RI
8270D_LL_PAH	Semivolatile Organic Compounds (GC/MS) Low level PAH	SW846	EET RI
8081B	Organochlorine Pesticides (GC)	SW846	EET RI
6010D	Metals (ICP)	SW846	EET RI
7471B	Mercury (CVAA)	SW846	EET RI
Moisture	Percent Moisture	EPA	EET RI
3050B	Preparation, Metals	SW846	EET RI
3546	Microwave Extraction	SW846	EET RI
5035	Closed System Purge and Trap	SW846	EET RI
7471B	Preparation, Mercury	SW846	EET RI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET RI = Eurofins Rhode Island, 646 Camp Ave, North Kingstown, RI 02852, TEL (413)789-9018

Sample Summary

Client: Stone Environmental
Project/Site: Elks Club

Job ID: 620-22803-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
620-22803-1	SB-11-2.0	Solid	12/03/24 09:11	12/09/24 18:20
620-22803-2	SB-11-4.0	Solid	12/03/24 09:51	12/09/24 18:20
620-22803-3	SB-12-2.0	Solid	12/03/24 10:18	12/09/24 18:20
620-22803-4	SB-12-4.0	Solid	12/03/24 10:45	12/09/24 18:20
620-22803-5	SB-8-2.0	Solid	12/03/24 11:16	12/09/24 18:20
620-22803-6	SB-8-4.0	Solid	12/03/24 11:35	12/09/24 18:20
620-22803-7	SB-9-2.0	Solid	12/03/24 11:50	12/09/24 18:20
620-22803-8	SB-9-4.0	Solid	12/03/24 12:10	12/09/24 18:20
620-22803-9	SB-10-2.0	Solid	12/03/24 13:45	12/09/24 18:20
620-22803-10	SB-10-4.0	Solid	12/03/24 14:06	12/09/24 18:20
620-22803-11	SB-1-1.0	Solid	12/03/24 14:35	12/09/24 18:20
620-22803-15	SD-5	Solid	12/03/24 15:17	12/09/24 18:20
620-22803-16	SB-3-2.0	Solid	12/04/24 08:43	12/09/24 18:20
620-22803-17	SB-3-2.0-FD	Solid	12/04/24 08:43	12/09/24 18:20
620-22803-18	SB-3-4.0	Solid	12/04/24 09:17	12/09/24 18:20
620-22803-19	SB-4-2.0	Solid	12/04/24 09:44	12/09/24 18:20
620-22803-20	SB-4-4.0	Solid	12/04/24 10:01	12/09/24 18:20
620-22803-21	SB-2-2.0	Solid	12/04/24 10:48	12/09/24 18:20
620-22803-22	SB-2-4.0	Solid	12/04/24 10:54	12/09/24 18:20
620-22803-23	SB-6-2.0	Solid	12/04/24 12:32	12/09/24 18:20
620-22803-24	SB-6-4.0	Solid	12/04/24 12:36	12/09/24 18:20
620-22803-25	SB-7-2.0	Solid	12/04/24 13:00	12/09/24 18:20
620-22803-26	SB-7-4.0	Solid	12/04/24 13:03	12/09/24 18:20
620-22803-27	SB-5-2.0	Solid	12/04/24 13:31	12/09/24 18:20
620-22803-28	SB-5-4.0	Solid	12/04/24 13:39	12/09/24 18:20
620-22803-29	SB-5-4.0-FD	Solid	12/04/24 13:39	12/09/24 18:20
620-22803-30	TB-1242024	Solid	12/04/24 16:46	12/09/24 18:20

22803

Eurofins Rhode Island
646 Camp Ave
North Kingstown, RI 02852
Phone: 413-789-9018 Fax: 413-506-3830

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ruby Bartlage / Serena Vellenx	Lab PM: Agnes Huntley	Carrier Tracking No(s):	COC No: 620-20396-3017.5
Client Contact: Laura Rajnak	Phone:	E-Mail:	State of Origin: VT	Page: Page 5 of 10
Company: Stone Environmental	PWSID:			Job #:
Address: 535 Stone Cutters Way	Due Date Requested:			
City: Montpelier	TAT Requested (days):			
State, Zip: VT, 05602	Compliance Project: Δ Yes Δ No			
Phone:	PO #:			
Email: lrajnak@stone-env.com	WO #:			
Project Name: Elks Club	Project #: 2021113			
Site: 2021113	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
J - DI Water
F - MeOH

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	6010D, 7471B, 8081B	8270D_LL_PAH - LL PAH	8260C -	8260C - 8260	D_2974, D2937, D854	8260C -	8260D -	Perform MS/MSD (Yes or No)	Special Instructions/Note:
			Preservation Code:			N	N	N	N	N	J	F		
-1 SB-11-2.0	12/3/24	9.11	G	Solid		X								
-2 SB-11-4.0		9.51		Solid		X								
-3 SB-12-2.0		10.18		Solid		X								
-4 SB-12-4.0		10:45		Solid		X								
-5 SB-8-2.0		11:16		Solid		X								
-6 SB-8-4.0		11:35		Solid		X								
-7 SB-9-2.0		11:50		Solid		X								
-8 SB-9-4.0		12:10		Solid		X								
-9 SB-10-2.0		13:45		Solid		X								
-10 SB-10-4.0		14:06		Solid		X								
-11 SB-1-1.0		14:35		Solid		X								

620-22803 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ___ Months

Deliverable Requested: I, II, III, IV, Other (specify) EQuIS EZ EDD

Special Instructions/QC Requirements: Vermont Soil Standards - Residential

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ruby Bartlage	12/5/24 - 16:52	Stone	Jeffrey Duce	12/5/24 16:52	Eurofins Bur
Relinquished by: Ejmans Thomsen	Date/Time: 12/9/24 1830	Company: ERT	Received by:	Date/Time: 12/9/24 1830	Company: ERT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.4 to 1.6/2 to 2.4 #6

Ver: 10/10/2024

Eurofins Rhode Island
646 Camp Ave
North Kingstown, RI 02852
Phone: 413-789-9018 Fax: 413-506-3830

21803

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Rudy Bentlage/Serena Veillard	Lab PM: Agnes Heuthorn	Carrier Tracking No(s):	COC No: 620-20396-3017.6
Client Contact: Laura Rajnak	Phone:	E-Mail:	State of Origin: VT	Page: Page 6 of 10
Company: Stone Environmental	PWSID:			Job #:
Address: 535 Stone Cutters Way	Due Date Requested:			
City: Montpelier	TAT Requested (days):			
State, Zip: VT, 05602	Compliance Project: Δ Yes Δ No			
Phone:	PO #:			
Email: lrajnak@stone-env.com	WO #:			
Project Name: EIAS Cl46	Project #: 20211113			
Site: 20211113	SSOW#:			

Analysis Requested

Preservation Codes: N - None; J - DI Water; F - MeOH

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	6010D, 7471B, 8081B	8270D_LL_PAH - LL PAH	8260C -	8260C - 8260	D_2974, D2937, D854	8260C -	8260D -	Perform MS/MSD (Yes or No)	Special Instructions/Note:
			Preservation Code:			N	N	N	N	N	V	F		
SB-1-2.0	12/3/24	14:38		Solid		X								Hold until Laura Rajnak directs to analyze
SB-1-3.0	12/3/24	14:50		Solid		X								
SB-1-4.0	12/3/24	14:53		Solid		X								
SD-5	12/3/24	15:17		Solid		X								
SB-3-2.0	12/4/24	8:43		Solid		X	X				X	X		
SB-3-2.0-FD		8:43		Solid		X	X				X	X		
SB-3-4.0		9:17		Solid		X	X				X	X		
~~SB-3~~ SB-4-2.0		9:44		Solid		X	X				X	X		
SB-4-4.0		10:01		Solid		X	X				X	X		
SB-2-2.0		10:48		Solid		X	X				X	X		
SB-2-4.0		10:54		Solid		X	X				X	X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) EQUIS EZ EDD

Special Instructions/QC Requirements: Vermont Soil Standards - Residential

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Rudy Bentlage/Stone	12/5/24 16:52	Stone	Hilary Dewey	12/5/24 16:52	Eurofins Burl
2	Edmund Thompson	12/9/24 1830	ERI		12/9/24 1830	ERI
3		Date/Time.	Company	Received by:	Date/Time.	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.4 +0.2 1.6 / 2.2 +0.2 2.4 #6

Ver: 10/10/2024

Eurofins Rhode Island
646 Camp Ave
North Kingstown, RI 02852
Phone: 413-789-9018 Fax: 413-506-3830

21803

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Rudy BenHaga/Serena Veillon	Lab PM: Agnes Huntley	Carrier Tracking No(s):	COC No: 620-20396-3017.7
Client Contact: Laura Rajnak	Phone:	E-Mail:	State of Origin: VT	Page: Page 7 of 10
Company: Stone Environmental	PWSID:			Job #:
Address: 535 Stone Cutters Way	Due Date Requested:			
City: Montpelier	TAT Requested (days):			
State, Zip: VT, 05602	Compliance Project: Δ Yes Δ No			
Phone:	PO #:			
Email: lrajnak@stone-env.com	WO #:			
Project Name: Elks Club	Project #: 20211113			
Site: 20211113	SSOW#:			

Analysis Requested

Preservation Codes:
N - None
J - DI Water
F - MeOH
Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	6010D, 7471B, 8081B	8270D_LL_PAH - LL PAH	8260C -	8260C - 8260	D_2974, D2937, D854	8260C -	8260D -	Total Number of containers	Special Instructions/Note:
				Preservation Code:			N	N	N	N	N	J	F		
23	SB-6-2.0	12/4/24	12:32	G	Solid		X								
24	SB-6-4.0		12:36		Solid		X								
25	SB-7-2.0		13:00		Solid		X								
26	SB-7-4.0		13:03		Solid		X								
27	SB-5-2.0		13:31		Solid		X								
28	SB-5-4.0		13:34		Solid		X								
29	SB-5-4.0-FD		13:34		Solid		X								
30	TB-12420 24		16:46		Solid		X					X	X		
					Solid										
					Solid										
					Solid										

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) EQUIS EZ EDD

Special Instructions/QC Requirements: Vermont Soil Standards – Residential

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Rudy BenHaga	12/5/24 16:52	Stone	Hillary Denecke	12/5/24 16:52	Eurofins Bur
2	Edmund Thompson	12/9/24 1810	ERI		12/9/24 1810	ERI
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1.4 +0.2 1.6/2.2 +0.2 2.4 #6

Ver: 10/10/2024

Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-22803-1

Login Number: 22803
List Number: 1
Creator: Makhoul, Elie

List Source: Eurofins Rhode Island

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Laura Rajnak
Stone Environmental
535 Stone Cutters Way
Montpelier, Vermont 05602

Generated 1/14/2025 5:33:24 PM

JOB DESCRIPTION

203 Country Club Road

JOB NUMBER

620-23114-1

Eurofins Rhode Island
646 Camp Ave
North Kingstown RI 02852

See page two for job notes and contact information.

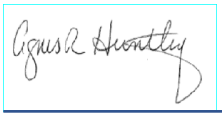
Eurofins Rhode Island

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
1/14/2025 5:33:24 PM

Authorized for release by
Agnes Huntley, Project Manager
Agnes.Huntley@et.eurofinsus.com
(401)267-4374

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 6
Client Sample Results 7
QC Sample Results 11
QC Association Summary 13
Lab Chronicle 15
Certification Summary 17
Method Summary 18
Sample Summary 19
Chain of Custody 20
Receipt Checklists 24

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23114-1

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 620-23114-1 Eurofins Rhode Island

Job Narrative
620-23114-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 12/27/2024 12:02 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

Metals
Method 6010D - SPLP East: The matrix spike (MS) recoveries for preparation batch 620-42987 and 620-43038 and analytical batch 620-43176 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Geotechnical
Method D2937: The density results for the following samples do not represent the in-place density of the soil: SB-5-4.0 (620-23114-1), SB-9-4.0 (620-23114-2), SB-10-4.0 (620-23114-3) and SB-11-4.0 (620-23114-4). The soils were received in a disturbed state and were subsequently molded in the laboratory to an approximation of the field environment.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23114-1

Client Sample ID: SB-5-4.0 — Lab Sample ID: 620-23114-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	0.0033	J	0.010	0.0017	mg/L	1		6010D	SPLP East
Silver	0.0015	J F1	0.010	0.0012	mg/L	1		6010D	SPLP East
In Place Density	1.47				g/cc	1		D2937	Total/NA
Fractional Organic Carbon	0.5				%	1		D2974	Total/NA
Specific Gravity at 20 deg Celsius	2.74				NONE	1		D854	Total/NA
Porosity	46.6				%	1		LAB-BUR	Total/NA
Void Ratio	0.9				NONE	1		LAB-BUR	Total/NA

Client Sample ID: SB-9-4.0 — Lab Sample ID: 620-23114-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.0019	J	0.010	0.0019	mg/L	1		6010D	SPLP East
Nickel	0.0091	J	0.010	0.0017	mg/L	1		6010D	SPLP East
Silver	0.0041	J	0.010	0.0012	mg/L	1		6010D	SPLP East
Zinc	0.012		0.010	0.0032	mg/L	1		6010D	SPLP East
Mercury	0.00080		0.00020	0.00014	mg/L	1		7470A	SPLP East
In Place Density	1.60				g/cc	1		D2937	Total/NA
Fractional Organic Carbon	0.5				%	1		D2974	Total/NA
Specific Gravity at 20 deg Celsius	2.73				NONE	1		D854	Total/NA
Porosity	41.4				%	1		LAB-BUR	Total/NA
Void Ratio	0.7				NONE	1		LAB-BUR	Total/NA

Client Sample ID: SB-10-4.0 — Lab Sample ID: 620-23114-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0075	J	0.0080	0.0028	mg/L	1		6010D	SPLP East
Nickel	0.0026	J	0.010	0.0017	mg/L	1		6010D	SPLP East
Silver	0.0032	J	0.010	0.0012	mg/L	1		6010D	SPLP East
Thallium	0.0055	J	0.010	0.0042	mg/L	1		6010D	SPLP East
In Place Density	1.53				g/cc	1		D2937	Total/NA
Fractional Organic Carbon	0.8				%	1		D2974	Total/NA
Specific Gravity at 20 deg Celsius	2.75				NONE	1		D854	Total/NA
Porosity	44.6				%	1		LAB-BUR	Total/NA
Void Ratio	0.8				NONE	1		LAB-BUR	Total/NA

Client Sample ID: SB-11-4.0 — Lab Sample ID: 620-23114-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.0083	J	0.010	0.0019	mg/L	1		6010D	SPLP East
Copper	0.19		0.010	0.0046	mg/L	1		6010D	SPLP East
Lead	0.051		0.015	0.012	mg/L	1		6010D	SPLP East
Nickel	0.015		0.010	0.0017	mg/L	1		6010D	SPLP East
Thallium	0.0077	J	0.010	0.0042	mg/L	1		6010D	SPLP East
Zinc	0.045		0.010	0.0032	mg/L	1		6010D	SPLP East
In Place Density	1.44				g/cc	1		D2937	Total/NA
Fractional Organic Carbon	1.4				%	1		D2974	Total/NA
Specific Gravity at 20 deg Celsius	2.86				NONE	1		D854	Total/NA
Porosity	49.6				%	1		LAB-BUR	Total/NA
Void Ratio	1				NONE	1		LAB-BUR	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23114-1

Client Sample ID: SB-5-4.0
Date Collected: 12/04/24 13:39
Date Received: 12/27/24 12:02

Lab Sample ID: 620-23114-1
Matrix: Solid

Method: SW846 6010D - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.012	0.0032	mg/L		01/08/25 13:00	01/09/25 12:50	1
Arsenic	ND		0.0080	0.0028	mg/L		01/08/25 13:00	01/09/25 12:50	1
Beryllium	ND		0.0040	0.00056	mg/L		01/08/25 13:00	01/09/25 12:50	1
Cadmium	ND		0.0050	0.00071	mg/L		01/08/25 13:00	01/09/25 12:50	1
Chromium	ND		0.010	0.0019	mg/L		01/08/25 13:00	01/09/25 12:50	1
Copper	ND		0.010	0.0046	mg/L		01/08/25 13:00	01/09/25 12:50	1
Lead	ND		0.015	0.012	mg/L		01/08/25 13:00	01/09/25 12:50	1
Nickel	**0.0033**	**J**	0.010	0.0017	mg/L		01/08/25 13:00	01/09/25 12:50	1
Selenium	ND		0.030	0.0083	mg/L		01/08/25 13:00	01/09/25 12:50	1
Silver	**0.0015**	**J F1**	0.010	0.0012	mg/L		01/08/25 13:00	01/09/25 12:50	1
Thallium	ND		0.010	0.0042	mg/L		01/08/25 13:00	01/09/25 12:50	1
Zinc	ND		0.010	0.0032	mg/L		01/08/25 13:00	01/09/25 12:50	1

Method: SW846 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00014	mg/L		01/03/25 10:08	01/03/25 15:47	1

Method: ASTM D2937 - Density of Soil in Place by the Drive-Cylinder Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
In Place Density	**1.47**				g/cc			01/06/25 20:51	1

Method: ASTM D2974 - Moisture, Ash and Organic Matter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fractional Organic Carbon	**0.5**				%			01/06/25 20:53	1

Method: ASTM D854 - Specific Gravity of Soils

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity at 20 deg Celsius	**2.74**				NONE			01/06/25 20:55	1

Method: ASTM LAB-BUR - Porosity

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Porosity	**46.6**				%			01/06/25 20:56	1
Void Ratio	**0.9**				NONE			01/06/25 20:56	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23114-1

Client Sample ID: SB-9-4.0

Date Collected: 12/03/24 12:10
Date Received: 12/27/24 12:02

Lab Sample ID: 620-23114-2

Matrix: Solid

Method: SW846 6010D - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.012	0.0032	mg/L		01/08/25 13:00	01/09/25 13:09	1
Arsenic	ND		0.0080	0.0028	mg/L		01/08/25 13:00	01/09/25 13:09	1
Beryllium	ND		0.0040	0.00056	mg/L		01/08/25 13:00	01/09/25 13:09	1
Cadmium	ND		0.0050	0.00071	mg/L		01/08/25 13:00	01/09/25 13:09	1
Chromium	**0.0019**	**J**	0.010	0.0019	mg/L		01/08/25 13:00	01/09/25 13:09	1
Copper	ND		0.010	0.0046	mg/L		01/08/25 13:00	01/09/25 13:09	1
Lead	ND		0.015	0.012	mg/L		01/08/25 13:00	01/09/25 13:09	1
Nickel	**0.0091**	**J**	0.010	0.0017	mg/L		01/08/25 13:00	01/09/25 13:09	1
Selenium	ND		0.030	0.0083	mg/L		01/08/25 13:00	01/09/25 13:09	1
Silver	**0.0041**	**J**	0.010	0.0012	mg/L		01/08/25 13:00	01/09/25 13:09	1
Thallium	ND		0.010	0.0042	mg/L		01/08/25 13:00	01/09/25 13:09	1
Zinc	**0.012**		0.010	0.0032	mg/L		01/08/25 13:00	01/09/25 13:09	1

Method: SW846 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00080**		0.00020	0.00014	mg/L		01/03/25 10:08	01/03/25 15:45	1

Method: ASTM D2937 - Density of Soil in Place by the Drive-Cylinder Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
In Place Density	**1.60**				g/cc			01/06/25 20:51	1

Method: ASTM D2974 - Moisture, Ash and Organic Matter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fractional Organic Carbon	**0.5**				%			01/06/25 20:53	1

Method: ASTM D854 - Specific Gravity of Soils

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity at 20 deg Celsius	**2.73**				NONE			01/06/25 20:55	1

Method: ASTM LAB-BUR - Porosity

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Porosity	**41.4**				%			01/06/25 20:56	1
Void Ratio	**0.7**				NONE			01/06/25 20:56	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23114-1

Client Sample ID: SB-10-4.0
Date Collected: 12/03/24 14:08
Date Received: 12/27/24 12:02

Lab Sample ID: 620-23114-3
Matrix: Solid

Method: SW846 6010D - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.012	0.0032	mg/L		01/08/25 13:00	01/09/25 13:14	1
Arsenic	**0.0075**	**J**	0.0080	0.0028	mg/L		01/08/25 13:00	01/09/25 13:14	1
Beryllium	ND		0.0040	0.00056	mg/L		01/08/25 13:00	01/09/25 13:14	1
Cadmium	ND		0.0050	0.00071	mg/L		01/08/25 13:00	01/09/25 13:14	1
Chromium	ND		0.010	0.0019	mg/L		01/08/25 13:00	01/09/25 13:14	1
Copper	ND		0.010	0.0046	mg/L		01/08/25 13:00	01/09/25 13:14	1
Lead	ND		0.015	0.012	mg/L		01/08/25 13:00	01/09/25 13:14	1
Nickel	**0.0026**	**J**	0.010	0.0017	mg/L		01/08/25 13:00	01/09/25 13:14	1
Selenium	ND		0.030	0.0083	mg/L		01/08/25 13:00	01/09/25 13:14	1
Silver	**0.0032**	**J**	0.010	0.0012	mg/L		01/08/25 13:00	01/09/25 13:14	1
Thallium	**0.0055**	**J**	0.010	0.0042	mg/L		01/08/25 13:00	01/09/25 13:14	1
Zinc	ND		0.010	0.0032	mg/L		01/08/25 13:00	01/09/25 13:14	1

Method: SW846 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00014	mg/L		01/03/25 10:08	01/03/25 15:43	1

Method: ASTM D2937 - Density of Soil in Place by the Drive-Cylinder Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
In Place Density	**1.53**				g/cc			01/06/25 20:51	1

Method: ASTM D2974 - Moisture, Ash and Organic Matter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fractional Organic Carbon	**0.8**				%			01/06/25 20:53	1

Method: ASTM D854 - Specific Gravity of Soils

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity at 20 deg Celsius	**2.75**				NONE			01/06/25 20:55	1

Method: ASTM LAB-BUR - Porosity

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Porosity	**44.6**				%			01/06/25 20:56	1
Void Ratio	**0.8**				NONE			01/06/25 20:56	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23114-1

Client Sample ID: SB-11-4.0
Date Collected: 12/03/24 09:51
Date Received: 12/27/24 12:02

Lab Sample ID: 620-23114-4
Matrix: Solid

Method: SW846 6010D - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.012	0.0032	mg/L		01/08/25 13:00	01/09/25 13:21	1
Arsenic	ND		0.0080	0.0028	mg/L		01/08/25 13:00	01/09/25 13:21	1
Beryllium	ND		0.0040	0.00056	mg/L		01/08/25 13:00	01/09/25 13:21	1
Cadmium	ND		0.0050	0.00071	mg/L		01/08/25 13:00	01/09/25 13:21	1
Chromium	**0.0083**	**J**	0.010	0.0019	mg/L		01/08/25 13:00	01/09/25 13:21	1
Copper	**0.19**		0.010	0.0046	mg/L		01/08/25 13:00	01/09/25 13:21	1
Lead	**0.051**		0.015	0.012	mg/L		01/08/25 13:00	01/09/25 13:21	1
Nickel	**0.015**		0.010	0.0017	mg/L		01/08/25 13:00	01/09/25 13:21	1
Selenium	ND		0.030	0.0083	mg/L		01/08/25 13:00	01/09/25 13:21	1
Silver	ND		0.010	0.0012	mg/L		01/08/25 13:00	01/09/25 13:21	1
Thallium	**0.0077**	**J**	0.010	0.0042	mg/L		01/08/25 13:00	01/09/25 13:21	1
Zinc	**0.045**		0.010	0.0032	mg/L		01/08/25 13:00	01/09/25 13:21	1

Method: SW846 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00014	mg/L		01/03/25 10:08	01/03/25 15:41	1

Method: ASTM D2937 - Density of Soil in Place by the Drive-Cylinder Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
In Place Density	**1.44**				g/cc			01/06/25 20:51	1

Method: ASTM D2974 - Moisture, Ash and Organic Matter

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fractional Organic Carbon	**1.4**				%			01/06/25 20:53	1

Method: ASTM D854 - Specific Gravity of Soils

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Gravity at 20 deg Celsius	**2.86**				NONE			01/06/25 20:55	1

Method: ASTM LAB-BUR - Porosity

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Porosity	**49.6**				%			01/06/25 20:56	1
Void Ratio	**1**				NONE			01/06/25 20:56	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23114-1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 620-43038/1-A
Matrix: Solid
Analysis Batch: 43176

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43038

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.012	0.0032	mg/L		01/08/25 13:00	01/09/25 12:27	1
Arsenic	ND		0.0080	0.0028	mg/L		01/08/25 13:00	01/09/25 12:27	1
Beryllium	ND		0.0040	0.00056	mg/L		01/08/25 13:00	01/09/25 12:27	1
Cadmium	ND		0.0050	0.00071	mg/L		01/08/25 13:00	01/09/25 12:27	1
Chromium	ND		0.010	0.0019	mg/L		01/08/25 13:00	01/09/25 12:27	1
Copper	ND		0.010	0.0046	mg/L		01/08/25 13:00	01/09/25 12:27	1
Lead	ND		0.015	0.012	mg/L		01/08/25 13:00	01/09/25 12:27	1
Nickel	ND		0.010	0.0017	mg/L		01/08/25 13:00	01/09/25 12:27	1
Selenium	ND		0.030	0.0083	mg/L		01/08/25 13:00	01/09/25 12:27	1
Silver	ND		0.010	0.0012	mg/L		01/08/25 13:00	01/09/25 12:27	1
Thallium	ND		0.010	0.0042	mg/L		01/08/25 13:00	01/09/25 12:27	1
Zinc	ND		0.010	0.0032	mg/L		01/08/25 13:00	01/09/25 12:27	1

Lab Sample ID: LCS 620-43038/2-A
Matrix: Solid
Analysis Batch: 43176

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43038

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	1.50	1.39		mg/L		93	80 - 120
Arsenic	1.50	1.46		mg/L		97	80 - 120
Beryllium	1.50	1.38		mg/L		92	80 - 120
Cadmium	1.50	1.42		mg/L		95	80 - 120
Chromium	1.50	1.40		mg/L		93	80 - 120
Copper	1.50	1.44		mg/L		96	80 - 120
Lead	1.50	1.40		mg/L		94	80 - 120
Nickel	1.50	1.43		mg/L		95	80 - 120
Selenium	1.50	1.43		mg/L		95	80 - 120
Silver	1.50	1.45		mg/L		97	80 - 120
Thallium	1.50	1.46		mg/L		98	80 - 120
Zinc	1.50	1.48		mg/L		98	80 - 120

Lab Sample ID: MB 620-42987/1-E
Matrix: Solid
Analysis Batch: 43176

Client Sample ID: Method Blank
Prep Type: SPLP East
Prep Batch: 43038

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.012	0.0032	mg/L		01/08/25 13:00	01/09/25 13:26	1
Arsenic	ND		0.0080	0.0028	mg/L		01/08/25 13:00	01/09/25 13:26	1
Beryllium	ND		0.0040	0.00056	mg/L		01/08/25 13:00	01/09/25 13:26	1
Cadmium	ND		0.0050	0.00071	mg/L		01/08/25 13:00	01/09/25 13:26	1
Chromium	ND		0.010	0.0019	mg/L		01/08/25 13:00	01/09/25 13:26	1
Copper	ND		0.010	0.0046	mg/L		01/08/25 13:00	01/09/25 13:26	1
Lead	ND		0.015	0.012	mg/L		01/08/25 13:00	01/09/25 13:26	1
Nickel	ND		0.010	0.0017	mg/L		01/08/25 13:00	01/09/25 13:26	1
Selenium	ND		0.030	0.0083	mg/L		01/08/25 13:00	01/09/25 13:26	1
Silver	ND		0.010	0.0012	mg/L		01/08/25 13:00	01/09/25 13:26	1
Thallium	ND		0.010	0.0042	mg/L		01/08/25 13:00	01/09/25 13:26	1
Zinc	ND		0.010	0.0032	mg/L		01/08/25 13:00	01/09/25 13:26	1

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23114-1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 620-23114-1 MS
Matrix: Solid
Analysis Batch: 43176

Client Sample ID: SB-5-4.0
Prep Type: SPLP East
Prep Batch: 43038

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	ND		1.50	1.33		mg/L		89	75 - 125
Arsenic	ND		1.50	1.38		mg/L		92	75 - 125
Beryllium	ND		1.50	1.32		mg/L		88	75 - 125
Cadmium	ND		1.50	1.35		mg/L		90	75 - 125
Chromium	ND		1.50	1.34		mg/L		89	75 - 125
Copper	ND		1.50	1.35		mg/L		90	75 - 125
Lead	ND		1.50	1.34		mg/L		90	75 - 125
Nickel	0.0033	J	1.50	1.37		mg/L		91	75 - 125
Selenium	ND		1.50	1.36		mg/L		91	75 - 125
Silver	0.0015	J F1	1.50	0.231	F1	mg/L		15	75 - 125
Thallium	ND		1.50	1.39		mg/L		93	75 - 125
Zinc	ND		1.50	1.41		mg/L		94	75 - 125

Lab Sample ID: 620-23114-1 DU
Matrix: Solid
Analysis Batch: 43176

Client Sample ID: SB-5-4.0
Prep Type: SPLP East
Prep Batch: 43038

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	ND		ND		mg/L		NC	20
Arsenic	ND		ND		mg/L		NC	20
Beryllium	ND		ND		mg/L		NC	20
Cadmium	ND		ND		mg/L		NC	20
Chromium	ND		ND		mg/L		NC	20
Copper	ND		ND		mg/L		NC	20
Lead	ND		ND		mg/L		NC	20
Nickel	0.0033	J	0.00310	J	mg/L		6	20
Selenium	ND		ND		mg/L		NC	20
Silver	0.0015	J F1	ND		mg/L		NC	20
Thallium	ND		ND		mg/L		NC	20
Zinc	ND		ND		mg/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 620-43018/1-A
Matrix: Solid
Analysis Batch: 43045

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43018

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00014	mg/L		01/03/25 10:08	01/03/25 15:04	1

Lab Sample ID: LCS 620-43018/2-A
Matrix: Solid
Analysis Batch: 43045

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43018

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00500	0.00466		mg/L		93	85 - 115

Metals

Leach Batch: 42987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-23114-1	SB-5-4.0	SPLP East	Solid	1312	
620-23114-2	SB-9-4.0	SPLP East	Solid	1312	
620-23114-3	SB-10-4.0	SPLP East	Solid	1312	
620-23114-4	SB-11-4.0	SPLP East	Solid	1312	
MB 620-42987/1-E	Method Blank	SPLP East	Solid	1312	
620-23114-1 MS	SB-5-4.0	SPLP East	Solid	1312	
620-23114-1 DU	SB-5-4.0	SPLP East	Solid	1312	

Prep Batch: 43018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-23114-1	SB-5-4.0	SPLP East	Solid	7470A	42987
620-23114-2	SB-9-4.0	SPLP East	Solid	7470A	42987
620-23114-3	SB-10-4.0	SPLP East	Solid	7470A	42987
620-23114-4	SB-11-4.0	SPLP East	Solid	7470A	42987
MB 620-43018/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 620-43018/2-A	Lab Control Sample	Total/NA	Solid	7470A	

Prep Batch: 43038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-23114-1	SB-5-4.0	SPLP East	Solid	3010A	42987
620-23114-2	SB-9-4.0	SPLP East	Solid	3010A	42987
620-23114-3	SB-10-4.0	SPLP East	Solid	3010A	42987
620-23114-4	SB-11-4.0	SPLP East	Solid	3010A	42987
MB 620-42987/1-E	Method Blank	SPLP East	Solid	3010A	42987
MB 620-43038/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 620-43038/2-A	Lab Control Sample	Total/NA	Solid	3010A	
620-23114-1 MS	SB-5-4.0	SPLP East	Solid	3010A	42987
620-23114-1 DU	SB-5-4.0	SPLP East	Solid	3010A	42987

Analysis Batch: 43045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-23114-1	SB-5-4.0	SPLP East	Solid	7470A	43018
620-23114-2	SB-9-4.0	SPLP East	Solid	7470A	43018
620-23114-3	SB-10-4.0	SPLP East	Solid	7470A	43018
620-23114-4	SB-11-4.0	SPLP East	Solid	7470A	43018
MB 620-43018/1-A	Method Blank	Total/NA	Solid	7470A	43018
LCS 620-43018/2-A	Lab Control Sample	Total/NA	Solid	7470A	43018

Analysis Batch: 43176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-23114-1	SB-5-4.0	SPLP East	Solid	6010D	43038
620-23114-2	SB-9-4.0	SPLP East	Solid	6010D	43038
620-23114-3	SB-10-4.0	SPLP East	Solid	6010D	43038
620-23114-4	SB-11-4.0	SPLP East	Solid	6010D	43038
MB 620-42987/1-E	Method Blank	SPLP East	Solid	6010D	43038
MB 620-43038/1-A	Method Blank	Total/NA	Solid	6010D	43038
LCS 620-43038/2-A	Lab Control Sample	Total/NA	Solid	6010D	43038
620-23114-1 MS	SB-5-4.0	SPLP East	Solid	6010D	43038
620-23114-1 DU	SB-5-4.0	SPLP East	Solid	6010D	43038

QC Association Summary

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23114-1

Geotechnical

Analysis Batch: 212589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-23114-1	SB-5-4.0	Total/NA	Solid	D2937	
620-23114-2	SB-9-4.0	Total/NA	Solid	D2937	
620-23114-3	SB-10-4.0	Total/NA	Solid	D2937	
620-23114-4	SB-11-4.0	Total/NA	Solid	D2937	

Analysis Batch: 212590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-23114-1	SB-5-4.0	Total/NA	Solid	D2974	
620-23114-2	SB-9-4.0	Total/NA	Solid	D2974	
620-23114-3	SB-10-4.0	Total/NA	Solid	D2974	
620-23114-4	SB-11-4.0	Total/NA	Solid	D2974	

Analysis Batch: 212591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-23114-1	SB-5-4.0	Total/NA	Solid	D854	
620-23114-2	SB-9-4.0	Total/NA	Solid	D854	
620-23114-3	SB-10-4.0	Total/NA	Solid	D854	
620-23114-4	SB-11-4.0	Total/NA	Solid	D854	

Analysis Batch: 212592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-23114-1	SB-5-4.0	Total/NA	Solid	LAB-BUR	
620-23114-2	SB-9-4.0	Total/NA	Solid	LAB-BUR	
620-23114-3	SB-10-4.0	Total/NA	Solid	LAB-BUR	
620-23114-4	SB-11-4.0	Total/NA	Solid	LAB-BUR	

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23114-1

Client Sample ID: SB-5-4.0
Date Collected: 12/04/24 13:39
Date Received: 12/27/24 12:02

Lab Sample ID: 620-23114-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			42987	DJW	EET RI	01/02/25 11:24
SPLP East	Prep	3010A			43038	JPC	EET RI	01/08/25 13:00
SPLP East	Analysis	6010D		1	43176	JPC	EET RI	01/09/25 12:50
SPLP East	Leach	1312			42987	DJW	EET RI	01/02/25 11:24
SPLP East	Prep	7470A			43018	DJW	EET RI	01/03/25 10:08
SPLP East	Analysis	7470A		1	43045	JPC	EET RI	01/03/25 15:47
Total/NA	Analysis	D2937		1	212589	MAP	EET BUR	01/06/25 20:51
Total/NA	Analysis	D2974		1	212590	MAP	EET BUR	01/06/25 20:53
Total/NA	Analysis	D854		1	212591	MAP	EET BUR	01/06/25 20:55
Total/NA	Analysis	LAB-BUR		1	212592	MAP	EET BUR	01/06/25 20:56

Client Sample ID: SB-9-4.0
Date Collected: 12/03/24 12:10
Date Received: 12/27/24 12:02

Lab Sample ID: 620-23114-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			42987	DJW	EET RI	01/02/25 11:24
SPLP East	Prep	3010A			43038	JPC	EET RI	01/08/25 13:00
SPLP East	Analysis	6010D		1	43176	JPC	EET RI	01/09/25 13:09
SPLP East	Leach	1312			42987	DJW	EET RI	01/02/25 11:24
SPLP East	Prep	7470A			43018	DJW	EET RI	01/03/25 10:08
SPLP East	Analysis	7470A		1	43045	JPC	EET RI	01/03/25 15:45
Total/NA	Analysis	D2937		1	212589	MAP	EET BUR	01/06/25 20:51
Total/NA	Analysis	D2974		1	212590	MAP	EET BUR	01/06/25 20:53
Total/NA	Analysis	D854		1	212591	MAP	EET BUR	01/06/25 20:55
Total/NA	Analysis	LAB-BUR		1	212592	MAP	EET BUR	01/06/25 20:56

Client Sample ID: SB-10-4.0
Date Collected: 12/03/24 14:08
Date Received: 12/27/24 12:02

Lab Sample ID: 620-23114-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			42987	DJW	EET RI	01/02/25 11:24
SPLP East	Prep	3010A			43038	JPC	EET RI	01/08/25 13:00
SPLP East	Analysis	6010D		1	43176	JPC	EET RI	01/09/25 13:14
SPLP East	Leach	1312			42987	DJW	EET RI	01/02/25 11:24
SPLP East	Prep	7470A			43018	DJW	EET RI	01/03/25 10:08
SPLP East	Analysis	7470A		1	43045	JPC	EET RI	01/03/25 15:43
Total/NA	Analysis	D2937		1	212589	MAP	EET BUR	01/06/25 20:51
Total/NA	Analysis	D2974		1	212590	MAP	EET BUR	01/06/25 20:53
Total/NA	Analysis	D854		1	212591	MAP	EET BUR	01/06/25 20:55
Total/NA	Analysis	LAB-BUR		1	212592	MAP	EET BUR	01/06/25 20:56

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23114-1

Client Sample ID: SB-11-4.0

Date Collected: 12/03/24 09:51
Date Received: 12/27/24 12:02

Lab Sample ID: 620-23114-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
SPLP East	Leach	1312			42987	DJW	EET RI	01/02/25 11:24
SPLP East	Prep	3010A			43038	JPC	EET RI	01/08/25 13:00
SPLP East	Analysis	6010D		1	43176	JPC	EET RI	01/09/25 13:21
SPLP East	Leach	1312			42987	DJW	EET RI	01/02/25 11:24
SPLP East	Prep	7470A			43018	DJW	EET RI	01/03/25 10:08
SPLP East	Analysis	7470A		1	43045	JPC	EET RI	01/03/25 15:41
Total/NA	Analysis	D2937		1	212589	MAP	EET BUR	01/06/25 20:51
Total/NA	Analysis	D2974		1	212590	MAP	EET BUR	01/06/25 20:53
Total/NA	Analysis	D854		1	212591	MAP	EET BUR	01/06/25 20:55
Total/NA	Analysis	LAB-BUR		1	212592	MAP	EET BUR	01/06/25 20:56

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

EET RI = Eurofins Rhode Island, 646 Camp Ave, North Kingstown, RI 02852, TEL (413)789-9018

Accreditation/Certification Summary

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23114-1

Laboratory: Eurofins Rhode Island

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7165.01	01-31-26
Connecticut	State	PH-0722	06-30-26
Maine	State	RI00100	05-09-25
Massachusetts	State	M-RI907	06-30-25
New Hampshire	NELAP	2245	09-17-25
New Jersey	NELAP	RI008	06-30-25
New York	NELAP	11393	04-01-25
Rhode Island	State	LAI00368	12-31-25

Laboratory: Eurofins Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-26
Connecticut	State	PH-0751	09-30-25
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-19-25
Florida	NELAP	E87467	06-30-25
Minnesota	NELAP	050-999-436	12-31-25
New Hampshire	NELAP	2006	12-18-25
New Jersey	NELAP	VT972	06-30-25
New York	NELAP	10391	01-13-25
Pennsylvania	NELAP	68-00489	04-30-25
US Fish & Wildlife	US Federal Programs	058448	07-31-25
USDA	US Federal Programs	525-23-353-27750	12-19-26
Vermont	State	VT4000	02-10-25
Virginia	NELAP	460209	12-14-25
Wisconsin	State	399140830	08-31-25

Method Summary

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23114-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET RI
7470A	Mercury (CVAA)	SW846	EET RI
D2937	Density of Soil in Place by the Drive-Cylinder Method	ASTM	EET BUR
D2974	Moisture, Ash and Organic Matter	ASTM	EET BUR
D854	Specific Gravity of Soils	ASTM	EET BUR
LAB-BUR	Porosity	ASTM	EET BUR
1312	SPLP Extraction	SW846	EET RI
3010A	Preparation, Total Metals	SW846	EET RI
7470A	Preparation, Mercury	SW846	EET RI

Protocol References:

ASTM = ASTM International

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

EET RI = Eurofins Rhode Island, 646 Camp Ave, North Kingstown, RI 02852, TEL (413)789-9018

Sample Summary

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23114-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
620-23114-1	SB-5-4.0	Solid	12/04/24 13:39	12/27/24 12:02
620-23114-2	SB-9-4.0	Solid	12/03/24 12:10	12/27/24 12:02
620-23114-3	SB-10-4.0	Solid	12/03/24 14:08	12/27/24 12:02
620-23114-4	SB-11-4.0	Solid	12/03/24 09:51	12/27/24 12:02

23114

478

Brownfields Committee

04/17/25

1/14/2025

Page 20 of 25

CHAIN-OF-CUSTODY Analytical Request Document
Chain-of-Custody is a LEGAL DOCUMENT

STONE ENVIRONMENTAL INC

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL BOLD OUTLINED AREAS are for LAB USE ONLY

Company: **Stone Environmental Inc.**	Billing Information: **Stone Environmental**
Address: **535 Stone Cutters Way Montpelier, Vermont 05602**	
Report To: **Laura Rajnak**	Email To: **accounting@stone-env.com**
Copy To.	Site Collection Info/Address. **203 Country Club Road, Montpelier**
Customer Project Name/Number: 20221113 / 203 Country Club Road	State: **Vermont** City: Time Zone Collected: **Eastern**
Phone: **2287311000** Email: lrajnak@stone-env.cm	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print) **Rudy Bentlage**	Purchase Order # Quote #: DW PWS ID #: DW Location Code:
Collected By (signature).	Turnaround Date Required: ***Standard*** Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as Appropriate	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day Field Filtered (if applicable). [ ] Yes [ ] No Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected Date	Collected Time	Time Frozen	Container Type:	# of Ctns	Porosity	Specific Gravity	Density	Fractional Organic Carbon	SPLP PP Metals 6010/7471
SB-5-4.0	Soil	Grab	12/4/2024	13:39	12/4/2024	8 oz	4	X	X	X	X	X
SB-9-4 0	Soil	Grab	12/3/2024	12:10	12/3/2024	8 oz	3	X	X	X	X	X
SB-10-4 0	Soil	Grab	12/3/2024	14:06	12/3/2024	8 oz	4	X	X	X	X	X
SB-11-4.0	Soil	Grab	12/3/2024	9:51	12/3/2024	8 oz	4	X	X	X	X	X

Container Preservative Type

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Analyses

Lab Sample Receipt:	Y	N	NA
Custody Seals Present/Intact:	Y	N	NA
Custody Signatures Present:	Y	N	NA
Collector Signature Present:	Y	N	NA
Bottles Intact:	Y	N	NA
Correct Bottles:	Y	N	NA
Sufficient Volume:	Y	N	NA
Samples Received on Ice:	Y	N	NA
VOA - Headspace Acceptable:	Y	N	NA
Samples in Holding Time:	Y	N	NA

LAB USE ONLY:

620-23114 Chain of Custody

Customer Remarks / Special Conditions / Possible Hazards:
EQuiS E2 EDD

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hr): Y N NA

Lab Tracking #:

Samples received via: FEDEX Client Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Comments: 1870.2
3.0
#6

Relinquished by/Company: (Signature) Katherine Nettles	Date/Time: 12/26/24 0 1530	Received by/Company: (Signature) Dawn Walk	Date/Time. 12/27/24 1202	MTJL LAB USE ONLY Table #:
Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time:	Acctnum: Template: Prelogin: PM: PB:
Relinquished by/Company: (Signature)	Date/Time	Received by/Company: (Signature)	Date/Time.	

Trip Blank Received: Y N NA HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of 1

After printing this label
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1 Fold the printed page along the horizontal line
2 Place label in shipping pouch and affix it to your shipment

23114

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Eurofins Rhode Island
646 Camp Ave
North Kingstown, RI 02852
Phone 413-789-9018 Fax: 413-506-3830

Chain of Custody Record

620-23114 Chain of Custody

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Huntley, Agnes	COC No: 620-18744.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Agnes.Huntley@et.eurofinsus.com	State: Vermont / Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): N/A	Job #: 620-23114-1
Address: 530 Community Drive, Suite 11,	Due Date Requested: 1/7/2025		Preservation Codes: -
City: South Burlington	TAT Requested (days): N/A		
State, Zip: VT, 05403			
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #: N/A		
Email: N/A	WO #: N/A		
Project Name: 203 Country Club Road	Project #: 62003812		
Site: N/A	SSOW#: N/A		Other: N/A

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Porosity	D854	D2937	D_2974/ (MOD) Routine List	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
SB-5-4 0 (620-23114-1)	12/4/24	13 39 Eastern	G	Solid			X	X	X	X	3	
SB-9-4 0 (620-23114-2)	12/3/24	12 10 Eastern	G	Solid			X	X	X	X	3	
SB-10-4 0 (620-23114-3)	12/3/24	14 08 Eastern	G	Solid			X	X	X	X	3	
SB-11-4 0 (620-23114-4)	12/3/24	09 51 Eastern	G	Solid			X	X	X	X	3	

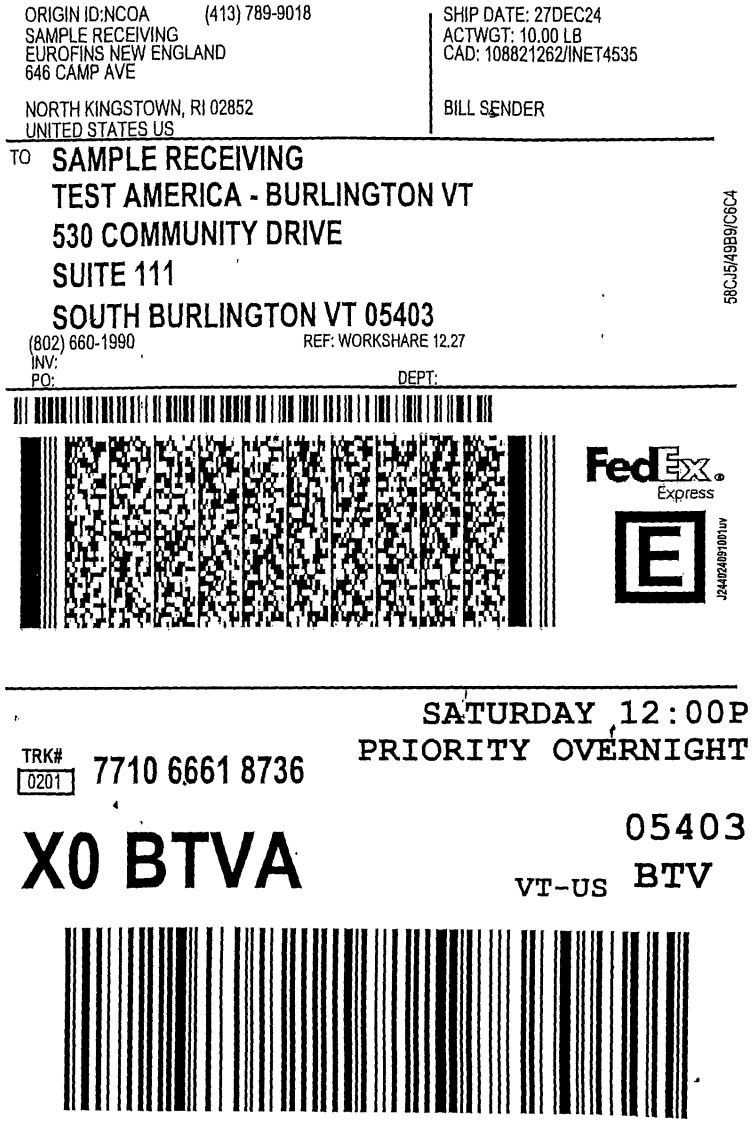
Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date:	Time	Method of Shipment:		
Relinquished by: Samuel Foster	Date/Time: 12/27/24 16:08	Company: ERI	Received by:	Date/Time: 12/28/2024 10:40	Company: TAL
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No:	Cooler Temperature(s) °C and Other Remarks

Ver: 10/10/2024



ORIGIN ID:NCOA (413) 789-9018
SAMPLE RECEIVING
EUROFINS NEW ENGLAND
646 CAMP AVE

NORTH KINGSTOWN, RI 02852
UNITED STATES US

SHIP DATE: 27DEC24
ACTWGT: 10.00 LB
CAD: 108821262/INET4535

BILL SENDER

TO SAMPLE RECEIVING
TEST AMERICA - BURLINGTON VT
530 COMMUNITY DRIVE
SUITE 111
SOUTH BURLINGTON VT 05403
(802) 660-1990 REF: WORKSHARE 12.27
INV:
PO: DEPT:

58CJ5/49B9/C6C4

FedEx Express

J244024091001uv

SATURDAY 12:00P
PRIORITY OVERNIGHT

TRK# 0201 7710 6661 8736

X0 BTVA

05403
VT-US BTV

Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-23114-1

Login Number: 23114
List Number: 1
Creator: Makhoul, Elie

List Source: Eurofins Rhode Island

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-23114-1

Login Number: 23114
List Number: 2
Creator: Barritt, Julian A

List Source: Eurofins Burlington
List Creation: 12/28/24 02:17 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Laura Rajnak
Stone Environmental
535 Stone Cutters Way
Montpelier, Vermont 05602

Generated 2/4/2025 5:33:15 PM

JOB DESCRIPTION

203 Country Club Road

JOB NUMBER

620-23596-1

Eurofins Rhode Island
646 Camp Ave
North Kingstown RI 02852

See page two for job notes and contact information.

my EOL

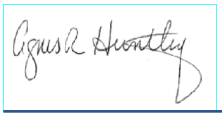
Eurofins Rhode Island

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



Generated
2/4/2025 5:33:15 PM

Authorized for release by
Agnes Huntley, Project Manager
Agnes.Huntley@et.eurofinsus.com
(401)267-4374

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 6
Client Sample Results 7
QC Sample Results 9
QC Association Summary 10
Lab Chronicle 11
Certification Summary 12
Method Summary 13
Sample Summary 14
Chain of Custody 15
Receipt Checklists 17

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23596-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client: Stone Environmental
Project: 203 Country Club Road

Job ID: 620-23596-1

Job ID: 620-23596-1 Eurofins Rhode Island

Job Narrative
620-23596-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 1/30/2025 11:06 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.8°C.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23596-1

Client Sample ID: DU-M1-D — Lab Sample ID: 620-23596-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	20		3.0	0.43	mg/Kg	2	☼	6010D	Total/NA

Client Sample ID: DU-M1-E — Lab Sample ID: 620-23596-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	19		3.4	0.48	mg/Kg	2	☼	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23596-1

Client Sample ID: DU-M1-D

Date Collected: 11/25/24 16:38
Date Received: 01/30/25 11:06

Lab Sample ID: 620-23596-1

Matrix: Solid
Percent Solids: 84.6

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	20		3.0	0.43	mg/Kg	☼	01/31/25 09:33	02/03/25 14:38	2

Client Sample Results

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23596-1

Client Sample ID: DU-M1-E
Date Collected: 11/25/24 16:39
Date Received: 01/30/25 11:06

Lab Sample ID: 620-23596-2
Matrix: Solid
Percent Solids: 84.1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19		3.4	0.48	mg/Kg	☼	01/31/25 09:33	02/03/25 15:08	2

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23596-1

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 620-43803/1-A
Matrix: Solid
Analysis Batch: 43905

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 43803

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.3	0.18	mg/Kg		01/31/25 09:33	02/03/25 14:25	1

Lab Sample ID: LCSSRM 620-43803/2-A ^5
Matrix: Solid
Analysis Batch: 43905

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 43803

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			194	178		mg/Kg		91.6	82.0 - 118.6		

Lab Sample ID: 620-23596-1 MS
Matrix: Solid
Analysis Batch: 43905

Client Sample ID: DU-M1-D
Prep Type: Total/NA
Prep Batch: 43803

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead	20		63.8	76.3		mg/Kg	☼	88	75 - 125		

Lab Sample ID: 620-23596-1 DU
Matrix: Solid
Analysis Batch: 43905

Client Sample ID: DU-M1-D
Prep Type: Total/NA
Prep Batch: 43803

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	20			19.6		mg/Kg	☼			3	20

QC Association Summary

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23596-1

Metals

Prep Batch: 43803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-23596-1	DU-M1-D	Total/NA	Solid	3050B	
620-23596-2	DU-M1-E	Total/NA	Solid	3050B	
MB 620-43803/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 620-43803/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
620-23596-1 MS	DU-M1-D	Total/NA	Solid	3050B	
620-23596-1 DU	DU-M1-D	Total/NA	Solid	3050B	

Analysis Batch: 43905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-23596-1	DU-M1-D	Total/NA	Solid	6010D	43803
620-23596-2	DU-M1-E	Total/NA	Solid	6010D	43803
MB 620-43803/1-A	Method Blank	Total/NA	Solid	6010D	43803
LCSSRM 620-43803/2-A ^5	Lab Control Sample	Total/NA	Solid	6010D	43803
620-23596-1 MS	DU-M1-D	Total/NA	Solid	6010D	43803
620-23596-1 DU	DU-M1-D	Total/NA	Solid	6010D	43803

General Chemistry

Analysis Batch: 43815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
620-23596-1	DU-M1-D	Total/NA	Solid	Moisture	
620-23596-2	DU-M1-E	Total/NA	Solid	Moisture	
620-23596-2 DU	DU-M1-E	Total/NA	Solid	Moisture	

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23596-1

Client Sample ID: DU-M1-D
Date Collected: 11/25/24 16:38
Date Received: 01/30/25 11:06

Lab Sample ID: 620-23596-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	43815	SRC	EET RI	01/31/25 12:53

Client Sample ID: DU-M1-D
Date Collected: 11/25/24 16:38
Date Received: 01/30/25 11:06

Lab Sample ID: 620-23596-1
Matrix: Solid
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			43803	JPC	EET RI	01/31/25 09:33
Total/NA	Analysis	6010D		2	43905	JPC	EET RI	02/03/25 14:38

Client Sample ID: DU-M1-E
Date Collected: 11/25/24 16:39
Date Received: 01/30/25 11:06

Lab Sample ID: 620-23596-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	43815	SRC	EET RI	01/31/25 12:53

Client Sample ID: DU-M1-E
Date Collected: 11/25/24 16:39
Date Received: 01/30/25 11:06

Lab Sample ID: 620-23596-2
Matrix: Solid
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			43803	JPC	EET RI	01/31/25 09:33
Total/NA	Analysis	6010D		2	43905	JPC	EET RI	02/03/25 15:08

Laboratory References:
EET RI = Eurofins Rhode Island, 646 Camp Ave, North Kingstown, RI 02852, TEL (413)789-9018

Accreditation/Certification Summary

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23596-1

Laboratory: Eurofins Rhode Island

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7165.01	01-31-26
Connecticut	State	PH-0824	06-30-26
Maine	State	RI00100	05-09-25
Massachusetts	State	M-RI907	06-30-25
New Hampshire	NELAP	2245	09-17-25
New Jersey	NELAP	RI008	06-30-25
New York	NELAP	11393	04-01-25
Rhode Island	State	LAI00368	12-31-25

Method Summary

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23596-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET RI
Moisture	Percent Moisture	EPA	EET RI
3050B	Preparation, Metals	SW846	EET RI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET RI = Eurofins Rhode Island, 646 Camp Ave, North Kingstown, RI 02852, TEL (413)789-9018

Sample Summary

Client: Stone Environmental
Project/Site: 203 Country Club Road

Job ID: 620-23596-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
620-23596-1	DU-M1-D	Solid	11/25/24 16:38	01/30/25 11:06
620-23596-2	DU-M1-E	Solid	11/25/24 16:39	01/30/25 11:06

23596

eurofins | Environment Testing New England

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

☐ Standard TAT - 7 to 10 business days

☒ Rush TAT - Date Needed 5 days

All TATs subject to laboratory approval
Min 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

04/17/25

Report To: Stone Environmental Inc
535 Stone Cutters Way
Montpelier VT 05602

Telephone #: 2257311000
Project Mgr: Laura Rajnak

Invoice To: Stone Accounting

PO No: _____ Quote #: _____

Project No: 2022113
Site Name: 203 Country Club Road
Location: Montpelier State: VT
Sampler(s): JGW

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab C=Composite

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes
☐ Standard ☐ No QC ☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other
State-specific reporting standards

Brownfields Committee

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: Lead 6010	Check if chlorinated	
-1	DU-MI-D	11/25/24	1638	C	SO		1				☐	VSS-Residential
-2	DU-MI-E	↓	1639	C	SO		1				☐	
											☐	
											☐	
											☐	
											☐	
											☐	
											☐	
											☐	
											☐	
											☐	

620-23596 COC

Relinquished by:	Received by:	Date:	Time:	Temp °C
Hunter Thiers	FedEx	11/29/25	1:30PM	Observed 2.6
FedEx		11/30/25	11:06	Correction Factor +0.2
				Corrected 2.8
				IR ID # 6

☒ EDD format: Equis
☒ E-mail to: lrajnak@stone-env.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

498

Page 15 of 17

2/4/2025

Sample Shipping Address: 126 Myron Street • West Springfield, MA 01089 • 413-789-9018
Lab Address: 646 Camp Ave • North Kingstown, RI 02852
www.EurofinsUS.com/Spectrum

Rev. Jan 2020

14 13 12 11 10 9 8 7 6 5 4 3 2 1

ORIGIN ID:MVLA (802) 229-2196
LAURA RAJNAK
STONE ENVIRONMENTAL, INC
535 STONE CUTTERS WAY
STE 201
MONTPELIER, VT 05602
UNITED STATES US

SHIP DATE: 29JAN25
ACTWGT: 20.00 LB
CAD: 3095923/INET4535

BILL SENDER

TO SAMPLE RECEIVING
EUROFINS ENVIRONMENTAL TESTING
646 CAMP AVENUE
NORTH KINGSTOWN RI 02852
(401) 352-6950
REF:
INV:
PO: 20221113
DEPT:

58CJ3/EC17/C6C4

FedEx Express

J2510241217o1uv

THU - 30 JAN 10:30A
PRIORITY OVERNIGHT
DSR AHS
02852
RI-US PVD

TRK# 0201 7717 5132 2634

XP NCOA

After printing this label
CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
1 Fold the printed page along the horizontal line
2 Place label in shipping pouch and affix it to your shipment

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Login Sample Receipt Checklist

Client: Stone Environmental

Job Number: 620-23596-1

Login Number: 23596
List Number: 1
Creator: Makhoul, Elie

List Source: Eurofins Rhode Island

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	