
CHAPTER 21
ATTACHMENT K
Groundwater Sampling Report
{Continued}



Site Investigation Report

Stresau Laboratory

Spoooner, Wisconsin

WDNR BRRTS No. 02-66-584573

STRES 154873 | April 22, 2021



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April 22, 2021

RE: Site Investigation Report, Stresau
Laboratory
Spooner, Wisconsin
WDNR BRRTS #02-66-584573
SEH No. STRES 154873 14.00

Mr. John Sager, Hydrogeologist
Wisconsin Department of Natural Resources
1701 N 4th Street
Superior, WI 54880

Dear Mr. Sager:

On behalf of Stresau Laboratory Inc. (Stresau), Short Elliott Hendrickson Inc. (SEH®) has prepared this Site Investigation (SI) Report documenting subsurface investigation activities conducted at the Stresau site near Spooner, Wisconsin in November and December 2020. The 2020 SI included subsurface investigation in the proximity of the _____ and the facility's septic tanks and drain fields. The SI activities were conducted in general accordance with the Wisconsin Department of Natural Resources (WDNR) approved work plan for SI activities. Tables summarizing analytical results from the SI have previously been submitted to the WDNR on January 11, 2021.

We trust the information provided in this report meets your current requirements regarding the Stresau site. Please contact me at bolson@sehinc.com or 715.271.7515 or Marc Makela, Stresau Compliance Specialist, at mmakela@stresau.com or 715.635.2777 if you have any questions or comments regarding the site investigation.

Sincerely,

A handwritten signature in black ink that reads "Bruce K. Olson".

Bruce K. Olson, PE (IL, IN, WI)
Principal

hbh

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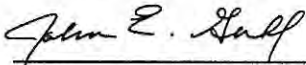
Site Investigation Report

Stresau Laboratory
Spooner, Wisconsin

Prepared for:
Stresau Laboratory, Inc.
Spooner, Wisconsin


Prepared by:
Short Elliott Hendrickson Inc.
10 North Bridge Street
Chippewa Falls, WI 54729-2550
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I, John Guhl, hereby certify that I am a Hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

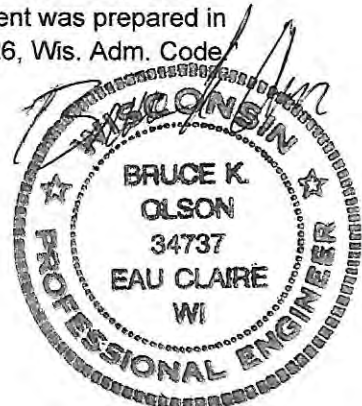


John E. Guhl, PG 120-013 4/22/2021
Senior Hydrogeologist PG Number Date

I, Bruce Olson, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.



Bruce K. Olson, PE 34737-006 4/22/2021
Client Service Manager PE Number Date



Distribution

No. of Copies	Sent to
1	John Sager, Hydrogeologist Wisconsin Department of Natural Resources 1701 N 4 th Street Superior, WI 54880
1	Robert Dautermann R. Stresau Laboratory, Inc. N8265 Medley Road Spooner, WI 54801

Executive Summary

Short Elliott Hendrickson has completed a Site Investigation (SI) of the Stresau Laboratory (Stresau) facility located north of Spooner, Wisconsin. Stresau has operated on the site since 1961 and

The SI was performed on behalf of Stresau after the Wisconsin Department of Natural Resources (WDNR) required investigation of potential environmental impacts associated with the facility septic tank systems and drain fields and the located on the site. Field activities for the SI were conducted in November and December 2020, and included the installation of three new monitoring wells, drilling of twelve shallow hand auger borings, soil, groundwater, and septic waste sampling and analysis, and site survey activities. The SI results are provided in this report.

Soils at the site were found to be poorly graded sands with varying percentages of gravel (outwash deposits). Groundwater was found to flow to the east-northeast towards Dunn Lake. No visual or olfactory indications of soil or groundwater contamination were noted during the performance of the SI field activities.

Soil, groundwater, and septic waste samples collected from the Stresau site during this SI were analyzed for parameters approved by the WDNR, including volatile organic compounds (VOCs), polynuclear aromatic compounds (PAHs), total and TCLP RCRA metals,

The concentrations of these parameters identified in site media were compared to the appropriate state and/or federal regulatory criteria, if available.

The results of the SI indicate relatively low concentrations of several parameters were detected in the samples analyzed from the various site media. When compared to regulatory criteria, limited soils or groundwater exceedances were identified for three different parameters. No enforcement standards, maximum contaminant levels, or industrial residual contaminant levels were exceeded in any of the samples analyzed from the site.

Based on the results of the SI, SEH believes no further investigation or remediation is required and recommends continued groundwater monitoring for the site.

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3. Bruce Olson, P.E., Client Service Manager
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715.271.7515

2 Background

The site is owned by Stresau and is located at N8265 Medley Road in Spooner, Wisconsin. The site is further described as being in the NE quarter of the SW quarter of Section 23, T40N, R13W in Washburn County, Wisconsin as shown in Figure 1, "Site Location" and Figure 2, "Site Features." The property is currently occupied by

Stresau has been producing

Groundwater

monitoring has been performed in the proximity of the TTU since 1995, generally on an annual basis. Groundwater analytes have historically included volatile organic compounds (VOCs), polynuclear aromatic compounds (PAHs), and heavy metals. Four monitoring wells have been utilized in the groundwater monitoring program. Three of these wells (MW 1, MW 2, and MW 3) are in the proximity of the TTU. Well MW-8 is located along Dunn Lake Road near the southern boundary of the property and is a background well. The existing groundwater monitoring well locations are depicted on Figure 3, "Monitoring Well and Soil Sample Locations – North," and on Figure 4, "Monitoring Well and Soil Sample Locations - South."

In 2018, the WDNR conducted a hazardous waste Treatment, Storage, & Disposal Facility and Small Quantity Generator Inspection of the Stresau facility. During this inspection, the facility was alleged to be out of compliance with hazardous waste generation, treatment, storage, and disposal requirements. The alleged areas of noncompliance were documented in a July 17, 2019 Notice of Noncompliance (NON) from the WDNR. WDNR's concerns for the site included the potential release of contaminants to site septic systems from disposed mop water and potential contamination from fugitive ash associated with the TTU. These were further detailed as items 11, 21 and 23 in the NON and as item 3 in WDNR's Notice of Violation (NOV) dated November 7, 2019.

In conjunction with the NON and NOV, the WDNR issued Stresau a Responsible Party (RP) letter dated October 21, 2019. The RP letter summarized WDNR's concern over "two activities being conducted now and historically at R. Stresau Laboratory, Inc. (SLI) that have the potential to discharge hazardous substances to the environment". The first item of the WDNR's concern is the now-former, historical mop water that was generated from mopping production and non-production floor areas and depositing that mop water in a janitorial sink located in Building 8.¹ This sink discharges to the septic system connected to Building 8. As sampling of the mop water identified concentrations of barium, cadmium, chromium, and lead, WDNR is considering this mop water industrial wastewater and requested that Stresau complete a waste determination of

¹ In response to the WDNR's concern, Stresau ceased its historic mop water practice in January 2020, and in consultation with the WDNR, has installed and uses a "closed loop" water system to filter and reuse mop water. No more mop water is deposited in the janitorial sink and no mop water is allowed into any of the septic systems.

this water and investigate the potential of this wastewater impacting the environment via discharges to one or more of the three septic systems on site.

WDNR also identified a concern with the current

WDNR's RP letter stated that recent studies conducted by others on has shown air deposition of energetics impacting soil and groundwater. Due to the long-term operation of the TTU, WDNR suspected that hazardous substances associated with the operation of the TTU have been released through the air and deposited on the soil.

WDNR concluded that the now-former practice of discharging mop water to the septic system and the potential for air deposition of hazardous substances from OB/OD operations of the TTU indicates that Stresau may be responsible under Wis. Stats. Ch. 292 for the alleged discharge of a hazardous substance or other environmental pollution at the site. To address the WDNR's concerns, the RP letter specifically requested that the SI address the following:

1. Identify hazardous substances, past and present, used in the laboratory and work area that could potentially have been mixed in with mop or other water discharges to the three septic systems.
2. Conduct a waste determination of the water and sludge in the three septic systems for hazardous substances related to the current and historic operations at the facility.
3. Provide a description of where, when, and how long the septic systems have been used for disposal of mop and other waters generated at the facility.
4. Identify the company or companies historically pumping the septic tanks and describe how often the septic tanks were/are pumped and identify the location(s) where the water was/is disposed or land spread.
5. Conduct an evaluation of hazardous substances introduced and removed from the TTU, and any breakdown products from the operation of the TTU.
6. Site investigation sample collection, testing, and analysis should include all hazardous substances/contaminants of concern identified through the waste determination process, and identification of past and present hazardous substances used during facility operations.
7. Immediate or interim actions under Wis. Admin. Code ch. NR 708 may be necessary, especially relating to the septic system sludge based on results of assessment and investigation of the site.
8. Provide information regarding actions SLI has taken to prevent future hazardous substance discharges.

A Work Plan was submitted to WDNR by SEH on April 24, 2020 proposing Site Investigation activities designed to respond to WDNR's concerns. Following discussion between Stresau and WDNR, the activities described in this report were implemented.

3 Geology and Hydrogeology

3.1 Topography

The Spooner area is within the geographical province of the central plain, with the northern highlands geographical province located just to the north. The central plain geographical province is generally characterized as having limited topography with occasional hills, and is typically underlain by sandstone bedrock (Martin, 1965). The elevation at and around the site is approximately 1030 feet above mean sea level (MSL) (USGS, 1982). Site topography is relatively flat, with stormwater generally draining toward the east-northeast (toward Dunn Lake). Figure 1 is a portion of the USGS topographic map of the site vicinity.

3.2 Soils

Soils in the vicinity of the site are typically sand and gravels of pitted outwash deposits. Thickness of unconsolidated deposits in the vicinity of the site generally ranges from 50 to 150 feet (Young, 1973). Granular soils were generally present in subsurface investigation locations to a maximum depth of 44 feet below ground surface (maximum depth penetrated during the site investigation).

3.3 Geology

The bedrock geology of the Spooner vicinity consists of undifferentiated Cambrian aged sandstone sedimentary rocks (Ostrom, 1981). The sandstones are sometimes interbedded with layers of dolomite and shale. The Cambrian sandstone is underlain by a Precambrian basement complex. Bedrock was not encountered during the site investigation.

3.4 Hydrogeology

Groundwater availability in the vicinity of the City of Spooner is provided predominantly from either the unconsolidated pitted outwash deposits or the underlying sandstone bedrock located in the vicinity of the site (Young, 1973). Regionally groundwater flow is generally to the east (Young, 1973). Locally, groundwater flow direction is often influenced by topography and by local drainage and surface water bodies. Depth to groundwater in the existing and new site monitoring wells ranged from approximately 12 to 39 feet below ground surface during this phase of site investigation. The direction of shallow groundwater flow at the site is generally to the east-northeast (towards Dunn Lake) at a hydraulic gradient of approximately 0.001 ft./ft. based on the averages of historic monitoring data. Groundwater elevation maps are provided in Figure 5, "Groundwater Elevation Map North," and on Figure 6, "Groundwater Elevation Map South."

4 Site Investigation

The site investigation was performed by SEH from November to December 2020. Three monitoring wells and twelve hand auger borings were installed/performed during the investigation. One round of groundwater samples from new and existing monitoring wells, along with 18 soil samples and eight septic sludge/liquid/composite samples were collected and analyzed for parameters of concern. Several duplicate samples were also collected and analyzed for quality control purposes. Water samples were also collected and analyzed from three existing on-site water supply wells. Site investigation activities were conducted in general accordance

with the approved work plan and Site Health and Safety plan as documented in the following subsections.

4.1 Septic Tanks and Drain Fields

Three septic tanks and associated drain fields are located at the Stresau facility. The contents of each septic tank were sampled for laboratory analysis using a new Trucore® eight-foot sludge core sampler consisting of a clean polyethylene barrel, a stopper, and an extension. Samples of sludge, liquid, and composite sludge and liquid were collected from two of the three septic tanks. Only a sludge sample was collected from the Building 1 septic tank because no liquid was present in this tank. A liquid sample was collected from a nearby lift station associated with the Building 1 system. No surficial film layer was present in any of the three septic tanks at the time of sampling, so no film layer samples were collected.

Three monitoring wells were installed adjacent to and downgradient of the three septic tank drain field systems to assess potential impacts at these locations. Soil samples were collected continuously from the three deeper borings using Standard Penetration Test (SPT) methodology, except in some deeper samples where a larger split spoon was required to facilitate sample recovery, and thus blow counts were not recorded. Representative portions of each soil sample were screened in the field for relative concentrations of VOCs using a photoionization detector (PID) and head space methods. Representative portions of each soil sample were also collected for potential laboratory analysis. Soils were classified in the field in accordance with the Unified Soil Classification System (USCS). Soil boring logs (WDNR Form 4400-122) were prepared for each boring, and include the lithologic descriptions, PID readings, SPT blow counts, and observations.

Groundwater monitoring wells were subsequently installed in the boreholes following drilling and soil sampling. The wells were constructed in accordance with NR 141, Wis. Adm. Code criteria, with ten-foot-long slotted screens positioned to intersect the groundwater table. Well construction details (WDNR Form 4400-113A) were prepared for each well. Following construction, the new monitoring wells were developed in accordance with NR 141 criteria using a Waterra pump. Monitoring well development forms (WDNR Form 4400-113B) were prepared for each new monitoring well. Soil boring logs, well construction forms, monitoring well development forms, and a revised well information form are provided in Appendix A, "Boring and Well Documentation". Two soil samples were selected from each boring for laboratory analysis.

Two hand auger borings were performed in the shallow soils within the drain fields at the site. One planned hand auger boring could not be completed due to subsurface obstructions. The hand auger borings were extended to five feet below ground surface, with soil samples collected from two to five feet below ground surface for laboratory analysis.

Following the development of the new monitoring wells, a round of groundwater samples was collected from site wells for analysis (including the TTU wells). The groundwater samples along with the above referenced septic tank samples and soil samples were placed in laboratory clean analytical bottles, labeled, and placed in ice filled coolers. The coolers were then sealed and hand delivered to the Federal Express office in Eau Claire, Wisconsin for delivery to the Eurofins laboratory in University Park, Illinois (Wisconsin Laboratory ID #998044300) using priority overnight delivery service. Standard chain of custody documentation was maintained during sample collection, processing, transport, and delivery.

4.2 Thermal Treatment Unit

Ten shallow hand auger borings were performed around the perimeter of the TTU to assess potential shallow soil impacts potentially resulting from operating the TTU system. Eight of the soil borings were configured in two concentric approximate ovals, and two additional boring locations (TTU-3 and TTU-7) were selected using a grid system and a random number generator to avoid sample bias. The inner and outer ring of samples were intended to better define the degree and extent if impacts were identified at the TTU.

The hand auger borings were performed using a decontaminated stainless-steel bucket-style hand auger with hand auger borings advanced to two feet below ground surface at each location. The hand auger boring locations were configured in two concentric ovals centered on the TTU as depicted in Figure 4. Representative soil samples were collected and preserved from each hand auger location for potential laboratory analysis. Surface soil samples were collected from an approximately six-inch by six-inch square area of soil just below the vegetation cover and to a depth to allow adequate soil sample volume collection (generally from 0 to 4 inches below ground surface) for laboratory analysis. The non-metals samples were placed directly into sample containers without agitation or homogenization. Metals samples were homogenized prior to placement in sample bottles. All the shallow soil samples collected in the proximity of the TTU were discrete samples. Sample collection, processing, delivery, and shipment were conducted consistent with the methods described above.

4.3 Water Supply Wells

One round of groundwater samples was collected from the three on site water supply wells during this site investigation. The water samples were collected from a faucet connected to each well, and before any water softening device or other water treatment system. The water was allowed to flow for several minutes at each location prior to sample collection. The samples were then placed directly into laboratory clean bottles and preserved and handled as described above.

4.4 Site Survey

The locations and elevations of the new site monitoring wells were surveyed by SEH along with the soil boring locations. The elevation of the surface of Dunn Lake was also surveyed at this time (late November) and used in developing the water table elevation contours from the November 30, 2020 sampling event.

5 Site Investigation Results

The results of SEH's site investigation are summarized in the following subsections.

5.1 Geology and Hydrogeology

The soils encountered during the subsurface investigation consisted largely of poorly graded fine to medium grained (SP) sands with varying amounts of gravel. The SP sands were relatively uniform in each boring location; thus, no geologic cross section has been prepared for this report. Bedrock was not encountered in any of the borings performed at the site during this investigation. PID headspace readings recorded on soil samples during the subsurface investigation were generally at or near background concentrations. No visual or olfactory evidence of soils contamination was noted by SEH personnel during performance of subsurface investigation activities.

Groundwater was encountered at depths ranging from approximately 12 to 39 feet below ground surface in the three newly installed monitoring wells in the proximity of the septic drain fields. The groundwater elevations from the three new wells along with the existing wells associated with the TTU and the surface water elevation of Dunn Lake were used to assess groundwater flow patterns. As depicted in Figures 5 and 6, groundwater at the site generally flows to the east-northeast at a horizontal hydraulic gradient of 0.001 ft/ft. In situ hydraulic conductivity of saturated site soils were not determined; however, using a published range of hydraulic conductivity values for relatively fine, poorly graded sands (Freeze, 1979), and a horizontal hydraulic gradient of 0.001 ft/ft, an average linear velocity (Fetter, 1992) of groundwater at the site is estimated to be between 3 and 35 feet per year (moving downgradient). No sheening, staining, or other visual or olfactory evidence of potential groundwater contamination was noted by SEH during well installation, development, and groundwater sampling.

Soils encountered during the SI consisted of fairly uniform granular soils originating from glacial pitted outwash deposits. Hydraulic conductivities of these soils are expected to be fairly high. Thus, backfill of utility trenches, if any, is not expected to be a preferential route for contaminant migration, if any. No other preferential contamination migration pathways were identified during the SI.

5.2 Septic Tanks and Drain Fields

There are three septic tank systems on the site, building 1 system is the largest system with the tank located near the main roadway and the drain field fed by a lift station pumping waste to the south drain field. The building 2 tank is located north of this and feeds a drain field to the east. The building 10 tank is also to the north and feeds a drain field to the northeast. One new monitoring well was installed generally to the east (down gradient) of each drain field. One hand auger boring was attempted at each drain field (one was obstructed and could not be completed). The locations of the septic system monitoring wells and hand auger borings are provided in Figure 3. The following subsections describe the investigative results of activities conducted associated with the septic tank systems.

5.2.1 Soils

Eight soil samples were collected from either the monitoring well borings or the hand auger borings associated with the septic tank systems and submitted to Eurofins for laboratory analysis. Parameters analyzed included VOCs, PAHs, total RCRA metals, perchlorate, and/or explosives. The analytical results are summarized on Table 1, "Soils Analytical Results, Septic Tank Systems." The complete analytical packages are provided in Appendix B, "Laboratory Analytical Packages."

As indicated in Table 1, parameters detected in soil samples collected from near the septic tank drain fields included perchlorate, arsenic, barium, cadmium, chromium, lead, mercury, and silver. No VOCs, PAHs, or [redacted] were identified in any of the soil samples analyzed from the vicinity of the three septic systems. Comparisons of those detects to the regulatory standards are described in Section 6.

5.2.2 Groundwater

A round of groundwater samples was collected by SEH on November 30, 2020, including the three new monitoring wells down gradient from the septic drain fields, as well as the existing monitoring wells associated with the TTU, and the three existing water supply wells for the site.

The groundwater samples from the septic system monitoring wells were analyzed for concentrations of VOCs, RCRA metals, and explosives. The groundwater analytical results for the septic system wells are provided in Table 2, "Groundwater Analytical Results, Drain Field Areas." The complete groundwater analytical package, including the septic system wells groundwater analytical results is provided in Appendix B.

As reflected in Table 2, analytes detected in the groundwater samples analyzed from the three septic system monitoring wells include arsenic, barium, mercury, and selenium. No VOCs were detected in the groundwater samples collected from the septic system monitoring wells. Comparisons of those detects to the regulatory standards are described in Section 6.

5.2.3 Septic Tank Contents

The contents of the septic tanks associated with buildings 2 and 10 consisted of a liquid layer in the upper portion of the tank with a semi-solid layer of waste below the liquid. No layer of free liquid was observed in the septic tank associated with Building 1, and the contents consisted entirely of semi-solid waste. No surficial layer of film or sheen was noted in any of the three septic tanks. Three waste samples consisting of a liquid sample, a semi-solid (sludge) sample, and a composite sample were collected from the Buildings 2 and 10 septic tanks for analysis. Only a semi-solid (sludge) sample along with a liquid sample collected from the nearby lift station were collected from the Building 1 septic system. The two composite samples were collected by sampling and homogenizing both the liquid layer and the semi-solid layer from Buildings 2 and 10. The samples were homogenized by softly mixing the samples in a clean stainless steel bowl. The homogenized sample was then placed in the appropriate laboratory bottles for analysis.

The waste samples were submitted to Eurofins laboratory for analysis of VOCs, PAHs, total RCRA metals, TCLP RCRA metals (sludge samples only), and explosives. The liquid and composite sample analytical results are summarized on Table 3, "Liquid and Composite Septic Tank Analytical Sample Results." The sludge sample results are provided in Table 4, "Sludge Septic Tank Analytical Results." A complete analytical package from the septic tank analysis is provided in Appendix B.

As presented in Table 3, detected analytes in liquid and composite samples included five VOCs, including benzene, 1,4-dichlorobenzene, ethylbenzene, p-isopropyltoluene, and toluene; all eight total RCRA metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver). No analytes were detected in the liquid or composite samples. As shown on Table 4, the analytes detected in the sludge samples included benzene, 1,4-dichlorobenzene, p-isopropyltoluene, toluene, total barium, total cadmium, total chromium, total lead, total silver, total mercury, TCLP lead, and selenium. No PAHs were detected above their respective laboratory detection limits in the samples analyzed from the three septic tanks or the associated lift station from the Building 1 septic system. Comparisons of those detects to the regulatory standards are described in Section 6.

5.2.4 Vapor Intrusion Pathway

Buildings 1 and 8 are in the general proximity of the site septic systems and are the only structures on site with basements. Both basements consist of concrete floors and concrete block walls and are generally used for storage. Analytical data collected from groundwater samples in the proximity of the site septic systems were used to perform a vapor intrusion screening assessment for potential vapor intrusion into these two buildings. The vapor intrusion screening assessment was

performed in general accordance with existing WDNR criteria for investigation of vapor intrusion (WDNR, 2018). The screening assessment was performed using the USEPA's Vapor Intrusion Screening Level Calculator. No VOCs were detected in the groundwater samples collected from the septic system area. Based on the screening assessment results, the only parameter detected in the septic area groundwater samples that is listed as volatile in the Screening Level Calculator is mercury. When utilizing the highest groundwater detection for mercury in septic area groundwater samples, no carcinogenic risk was identified, and the target hazard quotient for non-carcinogens was not exceeded for the vapor intrusion pathway. Thus, no additional vapor intrusion investigation was performed or is warranted based on the site analytical results.

5.3 Thermal Treatment Unit

Four existing wells (three in the proximity of the TTU and one upgradient well) have been historically utilized to monitor groundwater conditions proximal to the TTU. A total of ten shallow hand auger borings were performed in two concentric circles centered on the TTU to assess potential shallow soil impacts related to the TTU operation. One round of groundwater samples was also collected from the existing TTU monitoring wells during this site investigation and analyzed for the same purpose. The locations of the TTU monitoring wells and hand auger borings are provided in Figure 4. The following subsections describe the investigative results of activities conducted associated with the TTU.

5.3.1 Soils

Ten soil samples (plus two duplicates) were analyzed from the shallow hand auger borings associated with the TTU. The soil samples selected for laboratory analysis were analyzed for concentrations of VOCs, PAHs, total RCRA metals, and heavy metals. The analytical results are summarized on Table 5, "Soil Analytical Results, TTU Area." The complete analytical package from the TTU soil analysis is provided in Appendix B.

The analytical results presented in Table 5 show detections for two PAHs (fluorene and phenanthrene), seven RCRA metals (arsenic, barium, cadmium, chromium, lead, mercury, and silver), and heavy metals analyzed. No VOCs were detected in the soil samples analyzed from the TTU area. Comparisons of those detects to the regulatory standards are described in Section 6.

5.3.2 Groundwater

One round of groundwater samples was collected (including one duplicate sample) from the four existing monitoring wells utilized for monitoring the TTU area groundwater conditions. The groundwater samples were analyzed for concentrations of VOCs, PAHs, total dissolved RCRA metals, explosives, and perchlorate. The analytical results are summarized on Table 6, "Groundwater Analytical Results, TTU Area." The complete analytical package is included in Appendix B.

Table 6 indicates detections for arsenic, barium, chromium, and heavy metals in one or more groundwater samples. No VOCs or PAHs were detected in this round of groundwater samples collected from the TTU area. Comparisons of those detects to the regulatory standards are described in Section 6.

5.4 Water Supply Wells

Three on site water supply wells were sampled during this phase of site investigation. Two existing well logs indicate the wells were installed from 53 to 58 feet below ground surface in brown sand and gravel soils. Four-foot-long stainless-steel screens were installed in each of these wells. The existing water supply wells are near Buildings 1, 2, and 10 respectively at the Stresau facility. Documentation of proper abandonment of two historic water supply wells formerly located at the facility has been previously provided to WDNR.

The water supply well samples were analyzed for concentrations of VOCs, PAHs, total RCRA metals (unfiltered), and explosives. The results are summarized in Table 7, "Potable Wells Analytical Data, Site Water Wells." The analytical package is included in Appendix B.

The detected parameters listed on Table 7 include arsenic, barium, lead, and cadmium. No VOCs or PAHs were detected in the water supply well samples. Comparisons of those detects to the regulatory standards are described in Section 6.

6 Comparison to Regulatory Standards

6.1 Regulatory Criteria

The soils analytical results from the SI were compared to industrial and non-industrial Residual Contaminant Levels (RCLs). Background Threshold Values (BTV) established by WDNR for some naturally occurring parameters were also used to assess the analytical results. It should be noted that RCLs have not been established for some parameters detected in site soils (i.e., phenanthrene, chromium). Thus, these parameters were not compared to an existing regulatory standard.

Groundwater samples collected during the SI were compared to the Preventative Action Limits (PALs) and the Enforcement Standards (ESs) published in ch. NR 140, Wis. Adm. Code. Parameters detected in groundwater samples analyzed during the SI, but for which no PAL or ES has been established include barium and cadmium. The concentrations detected in groundwater samples for these two parameters were not compared to a groundwater regulatory criterion.

Potable water sample results from the samples analyzed from the three on site potable wells were compared to Maximum Contaminant Levels (MCLs and Maximum Contaminant Level Goals (MCLGs)) established by the USEPA for regulation of potable water impacts. Of these, only MCLs are enforceable, and MCLGs are a goal to attempt to achieve. Parameters detected for which no MCLs have been established include barium and cadmium. These parameters were not compared to an existing potable water standard.

The septic tank samples, which include samples of liquid, sludge, and composite were not compared to an existing regulatory standard, except toxicity characteristic leaching procedure (TCLP) samples were analyzed on each of the three sludge samples to assess if these samples were potentially characteristic hazardous wastes based on the results for eight metal parameters. The liquid and composite results table also includes ES and PAL values for various analytical parameters; however, these values are only provided for comparative purposes, and are not applicable to septic tank waste materials.

6.2 Septic Tanks and Drain Fields

The concentrations of parameters detected in soil samples collected from the septic tank drain field area were compared to their respective non-industrial and industrial RCLs, as well as existing BTVs established for some parameters. No existing RCL (industrial or non-industrial) or BTV exceedances were identified in any of the analytes detected in the soil samples collected from the septic drain field area.

The concentrations of parameters detected in groundwater samples were compared to existing PALs and ESs. No ES exceedances were identified in any groundwater samples analyzed from the proximity of the septic tank drain field systems. PALs for mercury were exceeded in the groundwater samples collected from wells MW-4S and MW-6S. No other PAL exceedances were identified in groundwater samples collected from the wells associated with the septic tank drain fields at the site.

The septic tank sludge was found to not be a characteristic hazardous waste for the eight RCRA metals based on TCLP analysis.

6.3 Thermal Treatment Unit

The analytical parameter concentrations detected in soil samples collected from the TTU area were compared to their respective industrial and non-industrial RCLs as well as their BTVs. One non-industrial RCL was exceeded for arsenic in sample TTU1, but that detect is below the BTV. No other non-industrial RCLs, industrial RCLs, or BTVs were exceeded for any of the parameters detected in the TTU area soil samples.

The groundwater sample results analyzed during this site investigation from the TTU area were compared to PALs and ESs for the parameters detected. No ES exceedances were identified for any of the parameters analyzed in the groundwater samples collected from the TTU area. The concentrations of perchlorate exceeded its respective PAL in each of the four TTU well samples and in one duplicate sample. No other PAL exceedances were identified during this round of groundwater sampling in the TTU area. Historical groundwater analytical data from approximately 15 years of groundwater monitoring at the TTU indicate current concentrations of parameters detected are similar to those detected historically. Many of the parameters detected are also historically detected in upgradient well MW-8, which could indicate naturally occurring and/or off-site source(s) of the detected parameters.

6.4 Water Supply Wells

No MCL exceedances were identified for any analyzed parameters in the three potable well samples analyzed from the site during this site investigation. The MCLG for arsenic and for lead was exceeded in all three potable well samples analyzed during the investigation (note, the goal for both parameters is 0 ug/L).

7 Conclusions and Recommendations

7.1 Geology and Hydrogeology

The soils encountered at the site consist of poorly graded fine to medium sands with varying percentages of gravel throughout the site. Little variation was noted in soils encountered at the site, and no preferential pathways for contaminant movement were identified on the site. With the

addition of three new monitoring wells, the direction of groundwater flow at the site has been confirmed to be in an east-northeasterly direction, towards Dunn Lake. Thus, MW-8 represents upgradient conditions, and should continue to be utilized as an up gradient well during future site groundwater monitoring.

7.2 Septic Tanks and Drain Fields

7.2.1 Soils

No regulatory criteria pertaining to soils contamination has been exceeded in the soil samples collected and analyzed from the septic tank drain field areas and no further soils investigation activities are recommended for this area.

7.2.2 Groundwater

PAL exceedances for mercury were identified in groundwater samples collected from two of the three monitoring wells installed to assess septic tank drain field groundwater conditions. No other exceedances of ESs or PALs were identified in the groundwater samples analyzed from these wells. SEH recommends continued groundwater monitoring of the three septic tank drain field monitoring wells.

7.2.3 Septic Tank Contents

Stresau is currently providing analytical data and working with potential disposal facilities to attain acceptance for disposal of the current septic tank contents. In addition, Stresau has ceased the disposal of mop water from the facility into the septic tank systems. Mop water is no longer disposed of down the drain to the septic system, so mop water will no longer be a source of potential contamination at the facility.

7.2.4 Vapor Intrusion Pathway

A vapor intrusion screening level assessment was performed by SEH addressing the potential for vapor intrusion into the basement of two site buildings. Based on this assessment, vapor intrusion is not a pathway of concern at the site, and no additional vapor intrusion investigation is warranted at this time.

7.3 Thermal Treatment Unit

7.3.1 Soils

One non-industrial RCL was exceeded for arsenic in soil samples analyzed during this site investigation and associated with the TTU. No industrial RCLs or BTVs were exceeded in the TTU soil samples. Since the Stresau facility is an industrial site, industrial RCLs should be applied to soil analytical results, and thus, no soils remediation or further investigation of soils in the proximity of the TTU appears warranted at this time. The only _____ was only detected on the inner ring of soil samples, indicating the outer ring provides a complete definition of degree and extent of energetics detections at the TTU. The PAHs detected were only found at sample TTU-3, which was a randomly located sample near the inner ring. The outer ring of samples provides a complete definition of degree and extent of detections for PAH compounds. No discernable pattern of detections was noted in the remaining locations where various parameters were detected at very low concentrations in TTU soil samples. Many of the

parameters detected are naturally occurring, and the detections could be due to the naturally occurring presence of these substances.

7.3.2 Groundwater

PAL exceedances for _____ were identified in the groundwater samples from all five groundwater samples analyzed from the TTU (including one duplicate). No other PAL exceedances, and no ES exceedances have been identified in the TTU groundwater sample analytical data from this investigation. Based on these results, SEH recommends continued groundwater monitoring of the existing monitoring wells in the TTU area to assess potential future fluctuations in the concentrations of the PAL exceedances. It should be noted that _____ can be a naturally occurring compound in groundwater, and perchlorate was detected in the upgradient well MW-8. It is possible the detections of _____ in site groundwater samples are either in part or completely the result of naturally occurring concentrations of this compound.

7.3.3 Water Supply Wells

No MCL exceedances were identified in the groundwater samples collected and analyzed from the three potable wells at the Stresau facility. Thus, continued use of these wells to provide potable water to the facility appears warranted. SEH recommends continued monitoring of the water supply wells on site to monitor potential future variations in concentrations of groundwater parameters in these wells.

8 Summary

The SI has been conducted in general accordance with NR 716 requirements, and has addressed each of the original eight WDNR concerns for the site as follows

- Identify hazardous substances, past and present, used in the laboratory and work area that could potentially have been mixed in with mop or other water discharges to the three septic systems - *These substances were identified during work plan preparation. Soil, groundwater, and septic waste samples were analyzed to include potential contaminants.*
- Conduct a waste determination of the water and sludge in the three septic systems for hazardous substances related to the current and historic operations at the facility – *Liquid, sludge, and composite samples of septic tank contents were analyzed for the parameters in accordance with the approved Work Plan.*
- Provide a description of where, when, and how long the septic systems have been used for disposal of mop and other waters generated at the facility – *Stresau previously provided this information to WDNR under separate submittal.*
- Identify the company or companies historically pumping the septic tanks and describe how often the septic tanks were/are pumped and identify the location(s) where the water was/is disposed or land spread – *Stresau previously provided this information to WDNR under separate submittal.*
- Conduct an evaluation of hazardous substances introduced and removed from the TTU, and any breakdown products from the operation of the TTU – *Stresau provided an extensive review of substances for which the TTU was used. Soil and groundwater*

samples from the TTU area were analyzed for the parameters agreed upon in the approved Work Plan to address this concern. The degree and extent of contaminants related to energetics and PAHs near the TTU has been defined in shallow soils. Other compounds detected near the TTU are naturally occurring and their presence may or may not be related to the operation of the TTU.

- Site investigation sample collection, testing, and analysis should include all hazardous substances/contaminants of concern identified through the waste determination process, and identification of past and present hazardous substances used during facility operations – *The hazardous substances historically used at the facility were identified during the preparation of the Work Plan and were included in the sampling of the various media at the facility.*
- Immediate or interim actions under Wis. Admin. Code ch. NR 708 may be necessary, especially relating to the septic system sludge based on results of assessment and investigation of the site – *It appears no immediate or interim actions are warranted based on the results of the SI.*
- Provide information regarding actions SLI has taken to prevent future hazardous substance discharges – *SLI has ceased its past mop water practices with the septic system and no mop water is discharged to any of the septic systems. Stresau continues to actively work with WDNR to assess additional possible modifications to operations of the septic system and TTU.*

The results of this site investigation indicate that low concentrations of several analytical parameters have been identified in site media including soils, groundwater, and septic waste. Some of the parameters analyzed (e.g., RCRA metals,) are naturally occurring in Wisconsin soils and groundwater or can result from events such as forest fires. Some or all of the concentrations of these parameters identified in soil and groundwater samples could potentially be attributable to the naturally occurring background concentrations of these parameters and may or may not indicate a historic release of these parameters from the Stresau facility to the environment. Any ongoing impacts in the vicinity of the septic systems have been mitigated in the future because of changes Stresau has made to mop water disposal practices, i.e., no mop water enters the septic systems.

Regulatory exceedances identified during the investigation are limited to groundwater PAL exceedances for two parameters at one or more sampling locations, and to one non-industrial RCL exceedance for soil impacts, which does not apply to an industrial facility. One of the parameters exceeding its respective PAL (perchlorate) is naturally occurring and was found in upgradient well MW-8 at concentrations also exceeding the PAL for this compound. If ongoing regulatory requirements for the Stresau facility are to be consistent with those at other Wisconsin industrial facilities with similar degrees of environmental impact, it appears ongoing groundwater monitoring at the Stresau facility and the already implemented modifications to septic system inputs are appropriate.

9 Standard of Care

The site investigation was conducted in accordance with generally accepted professional practice and methods at this time and place. Other than that, no warranty is intended or implied.

10 References

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- Freeze, R. A., and J. A. Cherry, 1979, "Groundwater," Department of Geological Sciences, University of British Columbia, Vancouver, British Columbia
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Tables

Table 1 – Soils Analytical Results, Septic Tank Systems

Table 2 – Groundwater Analytical Results, Drain Field Areas

Table 3 – Liquid and Composite Septic Tank Analytical Sample Results

Table 4 – Sludge Septic Tank Analytical Results

Table 5 – Soil Analytical Results, TTU Area

Table 6 – Groundwater Analytical Results, TTU Area

Table 7 – Potable Wells Analytical Data, Site Water Wells

Table 1
Soil Analytical Results, Drain Field Area

Analytical Parameters	Non-Ind. Direct Contact RCL	Industrial Direct Contact RCL	BTV	Sample Number/Sample Depth /Sampling Date							
				HB-1	HB-2	MW-4S	MW-4S	MW-5S	MW-5S	MW-6S	MW-6S
				2-5 ft	2-5 ft	2-4 ft	34-36 ft	4-6 ft	12-14 ft	4-6 ft	10-12 ft
				11/12/20	11/12/20	11/12/20	11/12/20	11/11/20	11/11/20	11/11/20	11/11/20
Accelerants (µg/kg)											
Perchlorate	54800	818000	NSE	0.16	0.26	--	--	--	--	--	--
Total Metals (mg/kg)											
Arsenic	0.677	3	8.3	0.58	0.62	1.0	0.86	0.62	0.70	0.76	0.88
Barium	15300	100000	364	23	20	12	23	15	24	25	18
Cadmium	71.1	985	1.07	<0.038	0.049	<0.035	<0.032	<0.035	<0.037	<0.034	<0.034
Chromium	NSE	NSE	43.5	7.3	8.5	5.9	15	8.1	9.7	8.8	7.8
Lead	400	800	51.6	1.5	2.4	1.3	1.5	1.5	1.1	1.2	1.1
Selenium	391	5840	NSE	<0.62	<0.58	<0.56	<0.53	<0.56	<0.60	<0.56	<0.55
Silver	391	5840	NSE	<0.14	0.22	<0.12	<0.12	<0.12	<0.13	<0.12	<0.12
Mercury	3.13	3.13	NSE	0.010	<0.0057	<0.0055	<0.0054	<0.0056	<0.0056	<0.0056	<0.0053
NSE = No standard established Only parameters detected are listed. No VOCs, PAHs, or energetics detected. BTV is the background threshold value for the indicated parameter established by Wisconsin Department of Natural Resources Notes: The RCL for arsenic is below the Background Threshold Value of 8.3 mg/kg for this parameter. Thus, WDNR typically uses 8.3 mg/kg as a cleanup criteria for soils. Compiled by: <u>JEG</u> Checked by:											

Table 2
Groundwater Analytical Results, Drain Field Areas

Analytical Parameters	NR 140 Standards		Well Number, Date Sampled			
	PAL	ES	MW-4S	MW-5S	MW-6S	MW-5S Dup.
Energetics (ug/L)			30-Nov-20	30-Nov-20	30-Nov-20	30-Nov-20
Inorganics (ug/L) (Dissolved)						
Arsenic	1	10	0.51	0.46	0.44	0.35
Barium	400	2000	28	11	17	11
Cadmium	0.5	5	<0.17	<0.17	<0.17	<0.17
Chromium	10	100	<1.1	<1.1	<1.1	<1.1
Lead	1.5	15	<0.19	<0.19	<0.19	<0.19
Mercury	0.2	2	<u>0.31</u>	<0.098	<u>0.27</u>	0.11
Selenium	10	50	<0.98	<0.98	<0.98	<0.98
Silver	10	50	<0.12	<0.12	<0.12	<0.12

NSE = No standard established

No VOCs or PAHs detected.

Bold = Exceeds ch. NR 140 Enforcement Standard (ES)

Underline = Exceeds ch. NR 140 Preventive Action Limit (PAL)

Compiled by: JEG Checked by:

Table 3
Liquid and Composite Septic Tank Analytical Results

Analytical Parameters	NR 140 Standards		Tank Number/Sample Type/Sampling Date				
	ES	PAL	Bldg 1	Bldg 2	Bldg 2	Bldg 10	Bldg 10
			Liquid	Liquid	Composite	Liquid	Composite
			11/12/20	11/12/20	11/12/20	11/12/20	11/12/20
VOCs (µg/l)							
1,4-Diclorobenzene	75	15	8.7	<0.36	<0.36	1.3	3.7
Benzene	5.0	0.5	0.46	<0.15	<0.15	<0.15	<0.73
p-Isopropyltoluene	NSE	NSE	1.3	<0.36	<0.36	<0.36	<1.8
Ethylbenzene	700	140	<0.18	<0.18	0.86	<0.18	<0.92
Toluene	800	160	85	0.53	1.7	210	1200
Metals (µg/l)							
Arsenic	10	1	0.50	<0.23	1.8	1.2	4.4
Barium	2000	400	25	26	330	160	2100
Cadmium	5	0.5	<0.17	0.79	7.4	0.40	4.4
Chromium	100	10	<1.1	1.6	38	4.2	660
Lead	15	1.5	4.0	44	1000	190	8600
Selenium	50	10	<0.98	<0.98	2.9	<0.98	2.0
Silver	50	10	0.70	6.8	340	0.20	10
Mercury	2	0.2	<0.098	<0.098	0.22	<0.098	3.1
NSE = No standard established Only parameters detected are listed; No PAHs or energetics detected. NR 140 standards provided for comparison purposes only. Compiled by: <u>JEG</u> Checked by:							

**Table 4
Sludge Septic Tank Analytical Results**

Analytical Parameters	RCRA Standard	Tank Number/Sample Type/Sampling Date		
		Bldg 1	Bldg 2	Bldg 10
		Sludge	Sludge	Sludge
		11/12/20	11/12/20	11/12/20
VOCs (mg/kg)				
1,4-Diclorobenzene		18	<2.4	3.3
Benzene		<0.24	4.1	<0.67
p-Isopropyltoluene		2.2	<2.4	<1.7
Ethylbenzene		<0.3	<1.2	<.83
Toluene		890	<0.980	1100
Total Metals (mg/kg)				
Arsenic		<5.5	<23	<13
Barium		47	190	960
Cadmium		1.8	6	4.2
Chromium		15	66	330
Lead		18	410	4300
Selenium		<9.4	<39	<23
Silver		9.7	690	<5
Mercury		16	<.36	0.47
TCLP Metals (mg/l)				
Arsenic	5	<0.01	<0.01	<0.01
Barium	100	0.069	<0.050	0.22
Cadmium	1	<0.002	<0.002	<0.002
Chromium	5	<0.01	<0.01	<0.01
Lead	5	<0.0075	<0.0075	0.3
Selenium	1	<0.02	<0.02	<0.02
Silver	5	<0.01	<0.01	<0.01
Mercury	0.2	<0.0002	<0.0002	<0.0002
<p>NSE = No standard established Only parameters detected are listed Note, RCRA Max. Conc. of Contam. for the Toxicity Characteristics refers to TCLP Results for Metals Compiled by: <u>JEG</u> Checked by:</p>				

Table 6
Groundwater Analytical Results, TTU Area

Analytical Parameters	NR 140 Standards		Well Number, Date Sampled				
	PAL	ES	MW-1	MW-1 (dup)	MW-2	MW-3	MW-8
ics (ug/L) (Dissolved)							
Arsenic	1	10	0.74	--	0.80	0.83	0.82
Barium	400	2000	8.4	--	9.4	8.2	5.5
Cadmium	0.5	5	<0.17	--	<0.17	<0.17	<0.17
Chromium	10	100	1.1	--	2.3	<1.1	<1.1
Lead	1.5	15	<0.19	--	<0.19	<0.19	<0.19
Mercury	0.2	2	<0.098	--	<0.098	<0.098	<0.098
Selenium	10	50	<0.98	--	<0.98	<0.98	<0.98
Silver	10	50	<0.12	--	<0.12	<0.12	<0.12

NSE = No standard established

No VOCs or PAHs detected.

-- = Not analyzed for

Bold = Exceeds ch. NR 140 Enforcement Standard (ES)

Underline = Exceeds ch. NR 140 Preventive Action Limit (PAL)

Compiled by: JEG Checked by:

Table 7
Potable Wells Analytical Data, Site Water Wells

Analytical Parameters	Regulatory Standard		Well Location, Date Sampled		
	MCLG	MCL	BD#1	BD#2	BD#10
			30-Nov-20	30-Nov-20	30-Nov-20
Inorganics (ug/L)					
Arsenic	0	10	<u>0.96</u>	<u>0.34</u>	<u>2.1</u>
Barium	2000	2000	23	3.8	17
Cadmium	5	5	<0.17	<0.17	<0.17
Chromium	100	100	<1.1	<1.1	<1.1
Lead	0	15	<u>1.1</u>	<u>0.24</u>	<u>0.93</u>
Mercury	2	2	<0.098	<0.098	<0.098
Selenium	50	50	<0.98	<0.98	<0.98
Silver	NSE	NSE	<0.12	<0.12	<0.12

NSE = No standard established

No VOCs or PAHs detected.

Bold = Exceeds USEPA Primary Drinking Water Regulations, Maximum Contaminant Level (MCL)

Underline = Exceeds USEPA Primary Drinking Water Regulations, Maximum Contaminant Level Goal (MCLG)

Compiled by: JEG Checked by:

Figures

Figure 1 – Site Location

Figure 2 – Site Features

Figure 3 – Monitoring Well and Soil Sample Locations – North

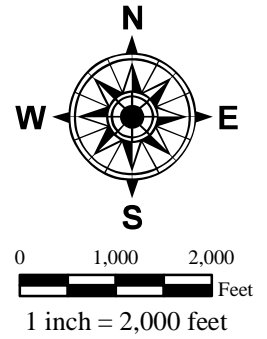
Figure 4 – Monitoring Well and Soil Sample Locations – South

Figure 5 – Groundwater Elevation Map North

Figure 6 – Groundwater Elevation Map South

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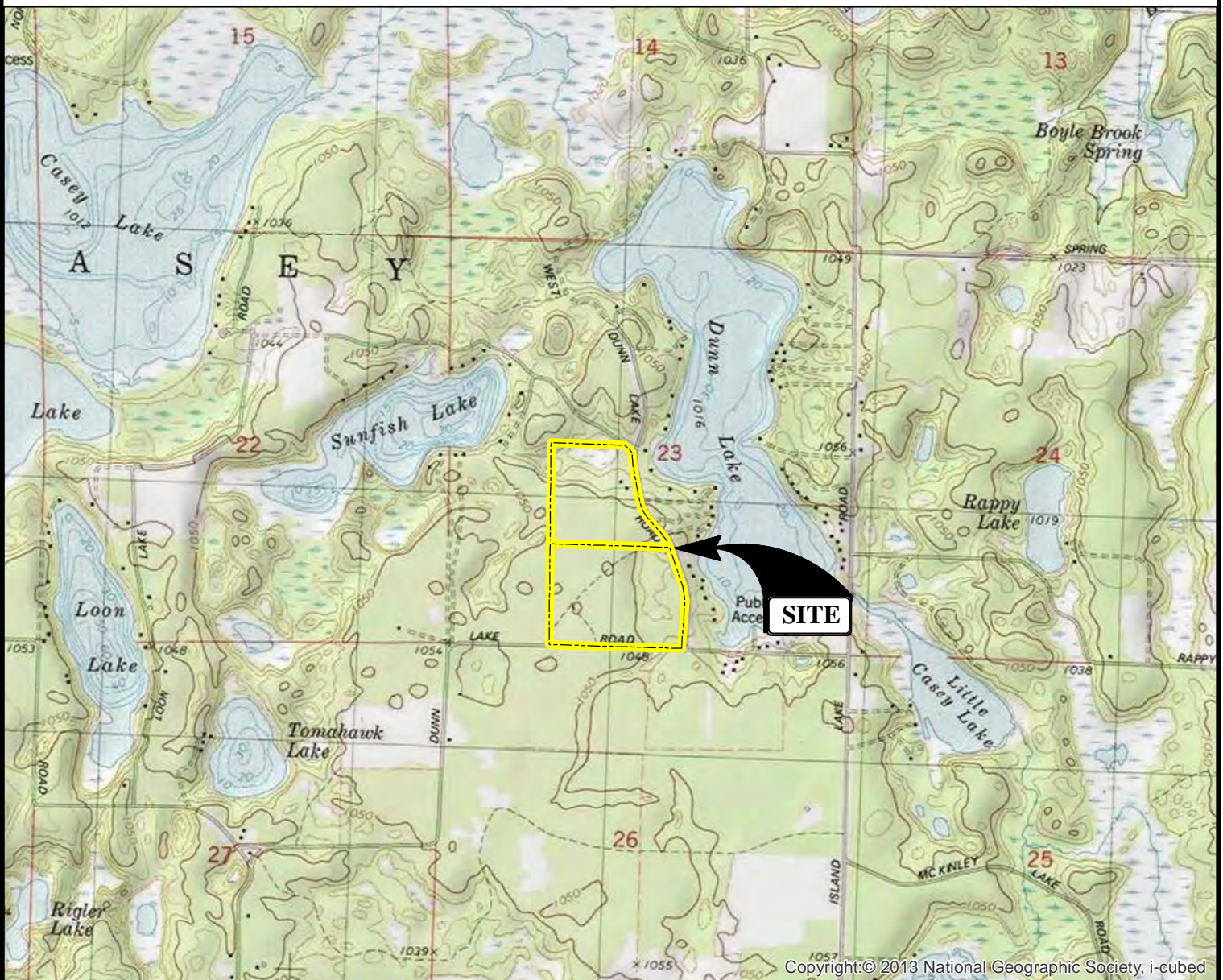
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TOWNSHIP: 40
RANGE: 13
SECTION: 23

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Document Path: X:\PT\GIS\STRES15487315-final-ds\151-drawings\90-GIS\Maps\Site Investigation Report_Figure 1 - Site Location.mxd



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1	02/02/2021	SITE INVESTIGATION	RJH	02/21	JEG	02/21	JEG	02/21	JEG	02/21
NO.	DATE	ISSUES/REVISIONS	DRAWN BY		DESIGN		FIELD REVIEW		QC CHECK	
STRESAU LABRATORY SITE INVESTIGATION REPORT SPOONER, WISCONSIN			FIGURE 1 SITE LOCATION			PROJ. NO. STRES158543		1 6		
						DATE 02/09/2021				

Appendix A

Boring and Well Documentation

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Stresau Laboratory		License/Permit/Monitoring Number 00000		Boring Number MW-4S	
Boring Drilled By: Name of crew chief (first, last) and Firm Joe Black PSI		Date Drilling Started 11/12/2020		Date Drilling Completed 11/12/2020	
WI Unique Well No. WB610		DNR Well ID No.		Common Well Name MW-4S	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 8.2 inches	
Local Grid Origin <input checked="" type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		State Plane N, E S/C/N		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of Section T N, R		Lat ° ' "		Long ° ' "	
Facility ID		County Washburn		County Code 66	
				Civil Town/City/ or Village Spoooner	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties						RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 SPT	24 18	1 1 1 2	0	Dark Brown Sandy Organic SILT (Topsoil)	OL			0.2							
2 SPT	24 16	2 3 4 7	2	Brown, Fine to Medium SAND, Trace to Little Gravel, Trace Silt, Occasional Cobbles	SP			0.2							
3 SPT	24 5	10 11 14 18	4					0.0							
4 SPT	24 16	12 20 21 20	6	Brown, Fine to Medium SAND, Some Gravel, Trace Silt, Numerous Cobbles	SP			0.1							
5 SPT	24 2	13 13 14 14	8	Brown, Fine to Medium SAND, Trace to Little Gravel, Trace Silt, Occasional Cobbles				0.1							
6 SPT	24 17	3 5 5 7	10					0.0							
7 SPT	24 16	3 5 8 9	12					0.2							
8 SPT	24 14	4 6 12 21	14					0.1							
9 SPT	24 7	8 11 10 14	16	More Gravel Below 16 ft.	SP SP			0.0							
10 SPT	24 12	8 16 13 7	18					0.1							
11 SPT	24 0	7 7 8 8	20	Cobble @ 20 ft. (Poor Sample Recovery)	SP										
12 SPT	24 1	5 6 9 10	22					0.0							
			24												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *John E. Smith* Firm **SEH Inc** 10 North Bridge Street Chippewa Falls, WI 54729 www.sehinc.com Tel: 715.720.6200 Fax: 715.720.6300

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Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Stresau Laboratory		License/Permit/Monitoring Number 00000		Boring Number MW-5S	
Boring Drilled By: Name of crew chief (first, last) and Firm Joe Black PSI		Date Drilling Started 11/11/2020		Date Drilling Completed 11/11/2020	
WI Unique Well No. WB688		DNR Well ID No.		Common Well Name MW-5S	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 8.2 inches	
Local Grid Origin <input checked="" type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		State Plane N, E S/C/N		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of Section , T N, R		County Washburn		County Code 66	
Facility ID		Civil Town/City/ or Village Spoooner			

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties						RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 SPT	24 18	12 2 3	0	Dark Brown Sandy Organic SILT (Topsoil)	OL			0.2							
2 SPT	24 17	22 3 4	2	Brown, Fine to Medium SAND, Trace Silt and Gravel				0.4							
3 SPT	24 20	33 4 6	4					0.4							
4 SPT	24 19	5 6 8 13	6					0.2							
5 SPT	24 16	13 13 11 11	8	Small Cobble @ 9 ft.	SP			0.2							
6 SPT	24 18	2 6 5 7	10					0.1							
7 SPT	24 14	4 10 14 19	12	Slightly More Gravel Below 12 ft.	SP SP			0.3							
8 SPT	24 8	9 12 16 12	14					0.3							
9 SPT	24 12	5 4 5 8	16					0.3							
10 SPT	24 0	4 5 6 9	18												
11 SPT	24 0	1 4 6 6	20												
			22	End of Boring @ 23.0 ft.											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *John P. Guff* Firm **SEH Inc** 10 North Bridge Street Chippewa Falls, WI 54729 www.sehinc.com Tel: 715.720.6200 Fax: 715.720.6300

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Stresau Laboratory		License/Permit/Monitoring Number 00000		Boring Number MW-6S	
Boring Drilled By: Name of crew chief (first, last) and Firm Joe Black PSI			Date Drilling Started 11/11/2020	Date Drilling Completed 11/11/2020	Drilling Method hollow stem auger
WI Unique Well No. WB689	DNR Well ID No.	Common Well Name MW-6S	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 8.2 inches
Local Grid Origin <input checked="" type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>			Local Grid Location		
State Plane N, E S/C/N			Lat ° ' "	<input type="checkbox"/> N <input type="checkbox"/> E	
1/4 of Section T N, R			Long ° ' "	Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W	
Facility ID		County Washburn	County Code 66	Civil Town/City/ or Village Spooner	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 SPT	24 8	10 13	0	Dark Brown Sandy Organic SILT (Topsoil)	OL			0.1							
2 SPT	24 6	55 17 22	2	Brown, Fine to Medium SAND, Little Gravel, Trace Silt, Occasional to Numerous Cobbles				0.2							
3 SPT	24 14	11 11 19 20	4					0.3							
4 SPT	24 4	18 14 16 12	6					0.3							
5 SPT	24 10	24 4 4	8					0.3							
6 SPT	24 12	24 4 6	10		SP			0.1							
7 SPT	24 12	23 9 10	12					0.1							
8 SPT	24 2	8 8 7 9	14					0.1							
9 SPT	24 9	14 23 22 17	16					0.1							
			18												
			20	End of Boring @ 20.0 ft.											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

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Facility/Project Name Strogan Lab	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name MW-4S
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>	Wis. Unique Well No. WB610 DNR Well ID No.
Facility ID	St. Plane ft. N. _____ ft. E. _____ S/C/N	Date Well Installed 11/12/2020 m m d d y y v v
Type of Well	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm Joe Black PSI
Well Code _____	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number _____
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in.
C. Land surface elevation _____ ft. MSL	b. Length: _____ ft.
D. Surface seal, bottom _____ ft. MSL or 3.0 ft.	c. Material: Steel <input checked="" type="checkbox"/> 0.4 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 3.0 Concrete <input type="checkbox"/> 0.1 Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 5.0 Hollow Stem Auger <input checked="" type="checkbox"/> 4.1 Other <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 3.0 Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 0.2 Air <input type="checkbox"/> 0.1 Drilling Mud <input type="checkbox"/> 0.3 None <input checked="" type="checkbox"/> 9.9	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 3.3 b. _____ Lbs/gal mud weight... Bentonite-sand slurry <input type="checkbox"/> 3.5 c. _____ Lbs/gal mud weight... Bentonite slurry <input type="checkbox"/> 3.1 d. _____ % Bentonite... Bentonite-cement grout <input type="checkbox"/> 5.0 e. 12 Bags volume added for any of the above
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	f. How installed: Tremie <input type="checkbox"/> 0.1 Tremie pumped <input type="checkbox"/> 0.2 Gravity <input checked="" type="checkbox"/> 0.8
17. Source of water (attach analysis, if required): _____	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3.3 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 3.2 c. _____ Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or 25.0 ft.	7. Fine sand material: Manufacturer, product name & mesh size a. Red Flint #45-#55
F. Fine sand, top _____ ft. MSL or 30.0 ft.	b. Volume added 1.5 bags ft ³
G. Filter pack, top _____ ft. MSL or 32.0 ft.	8. Filter pack material: Manufacturer, product name & mesh size a. Red Flint #40
H. Screen joint, top _____ ft. MSL or 34.0 ft.	b. Volume added 4 bags ft ³
I. Well bottom _____ ft. MSL or 44.0 ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2.3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2.4 Other <input type="checkbox"/>
J. Filter pack, bottom _____ ft. MSL or 45.0 ft.	10. Screen material: Flush Threaded Sch 40
K. Borehole, bottom _____ ft. MSL or 45.0 ft.	a. Screen type: Factory cut <input checked="" type="checkbox"/> 1.1 Continuous slot <input type="checkbox"/> 0.1 Other <input type="checkbox"/>
L. Borehole, diameter 8.2 in.	b. Manufacturer Environmental MP
M. O.D. well casing 2.4 in.	c. Slot size: _____ in.
N. I.D. well casing 2.0 in.	d. Slotted length: 10 ft.
	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1.4 Other <input type="checkbox"/>

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature John P. [Signature] Firm SEN Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name Spresaw Lab	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.	Well Name MW-58
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> Estimated <input type="checkbox"/> or Well Location	Wis. Unique Well No. WBE88 DNR Well ID No.
Facility ID	St. Plane _____ ft. N, _____ ft. E. S/C/N	Date Well Installed 11/11/2020 m m d d y y y y
Type of Well	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm Joe Black PSI
Well Code _____ / _____	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	
Distance from Waste/Source _____ ft.	Gov. Lot Number _____	

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: 4 in.
C. Land surface elevation _____ ft. MSL	b. Length: 5 ft.
D. Surface seal, bottom _____ ft. MSL or 2.5 ft.	c. Material: Steel <input checked="" type="checkbox"/> 0.4 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	d. Additional protection? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe: _____
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 3.0 Concrete <input type="checkbox"/> 0.1 Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 5.0 Hollow Stem Auger <input checked="" type="checkbox"/> 4.1 Other <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 3.0 Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 0.2 Air <input type="checkbox"/> 0.1 Drilling Mud <input type="checkbox"/> 0.3 None <input checked="" type="checkbox"/> 9.9	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 3.3 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 3.5 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 3.1 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 5.0 e. 4 Bags volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0.1 Tremie pumped <input type="checkbox"/> 0.2 Gravity <input checked="" type="checkbox"/> 0.8
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3.3 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 3.2 c. _____ Other <input type="checkbox"/>
17. Source of water (attach analysis, if required): _____	7. Fine sand material: Manufacturer, product name & mesh size a. Red Flint 45-55
E. Bentonite seal, top _____ ft. MSL or 7.0 ft.	b. Volume added 1 bag ft ³
F. Fine sand, top _____ ft. MSL or 9.0 ft.	8. Filter pack material: Manufacturer, product name & mesh size a. Red Flint #40
G. Filter pack, top _____ ft. MSL or 11.0 ft.	b. Volumes added 5 bags ft ³
H. Screen joint, top _____ ft. MSL or 13.0 ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2.3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2.4 Other <input type="checkbox"/>
I. Well bottom _____ ft. MSL or 23.0 ft.	10. Screen material: Flush threaded PVC Sch 40
J. Filter pack, bottom _____ ft. MSL or 23.0 ft.	a. Screen type: Factory cut <input checked="" type="checkbox"/> 1.1 Continuous slot <input type="checkbox"/> 0.1 Other <input type="checkbox"/>
K. Borehole, bottom _____ ft. MSL or 23.0 ft.	b. Manufacturer Environmental Mfg.
L. Borehole, diameter 8.2 in.	c. Slot size: 0.010 in.
M. O.D. well casing 2.4 in.	d. Slotted length: 10 ft.
N. I.D. well casing 2.0 in.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1.4 Other <input type="checkbox"/>

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature John P. Kemp Firm SEH Inc.

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Facility/Project Name Stresau	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name MW-6S
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (Estimated) <input type="checkbox"/> or Well Location <input type="checkbox"/>	Wis. Unique Well No. W6689
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	DNR Well ID No.
Type of Well	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W	Date Well Installed 11/11/2020 m d d y y y
Well Code _____ / _____	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Well Installed By: Name (first, last) and Firm Joe Black PSI
Distance from Waste/Source _____ ft.	Gov. Lot Number _____	

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: 4 in.
C. Land surface elevation _____ ft. MSL	b. Length: 3 ft.
D. Surface seal, bottom _____ ft. MSL or 1.0 ft.	c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3. Surface seal: Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input checked="" type="checkbox"/> 30 Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. 2 bags Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
17. Source of water (attach analysis, if required): _____	7. Fine sand material: Manufacturer, product name & mesh size a. Red Flint #45-#55 b. Volume added 1 bag
E. Bentonite seal, top _____ ft. MSL or 3.0 ft.	8. Filter pack material: Manufacturer, product name & mesh size a. Red Flint #40 b. Volume added 5 bags
F. Fine sand, top _____ ft. MSL or 5.0 ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
G. Filter pack, top _____ ft. MSL or 7.0 ft.	10. Screen material Flush threaded PVC Sch 40 a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
H. Screen joint, top _____ ft. MSL or 9.0 ft.	b. Manufacturer Environmental Mfg. c. Slot size: 0.015 in. d. Slotted length: 1.0 ft.
I. Well bottom _____ ft. MSL or 19.0 ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
J. Filter pack, bottom _____ ft. MSL or 20.0 ft.	
K. Borehole, bottom _____ ft. MSL or 20.0 ft.	
L. Borehole, diameter 8.2 in.	
M. O.D. well casing 2.4 in.	
N. I.D. well casing 2.0 in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *John E. Beruff* Firm **SEH Inc.**

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Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Stresau Labs	County Name Washburn	Well Name MW-45
Facility License, Permit or Monitoring Number #6024	County Code 66	Wis. Unique Well Number WB160
		DNR Well ID Number _____

1. Can this well be purged dry? Yes No

2. Well development method

surged with bailer and bailed	<input type="checkbox"/>	41
surged with bailer and pumped	<input type="checkbox"/>	61
surged with block and bailed	<input type="checkbox"/>	42
surged with block and pumped	<input checked="" type="checkbox"/>	62
surged with block, bailed and pumped	<input type="checkbox"/>	70
compressed air	<input type="checkbox"/>	20
bailed only	<input type="checkbox"/>	10
pumped only	<input type="checkbox"/>	51
pumped slowly	<input type="checkbox"/>	50
Other _____	<input type="checkbox"/>	

3. Time spent developing well _____ **60** min.

4. Depth of well (from top of well casing) _____ **46.3** ft.

5. Inside diameter of well _____ **2.00** in.

6. Volume of water in filter pack and well casing _____ **7.5** gal.

7. Volume of water removed from well _____ **75.0** gal.

8. Volume of water added (if any) _____ **0.0** gal.

9. Source of water added _____ **NA**

10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 40.72 ft.	46.32 ft.
Date	b. 11/30/2020 m m d d y y y y	11/30/2020 m m d d y y y y
Time	c. 11:00 <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	12:00 <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	0.1 inches	0.0 inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) Very Lt Brn slight Turb	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) Lt Brn No Turbidity

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: **Mike** Last Name: **Rohlk**

Firm: **SEH**

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party


First Name: **Marc** Last Name: **Makela**

Facility/Firm: **Stresau Lab**

Street: **N8265 Medby Rd.**

City/State/Zip: **Spencer WI 54801**

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: 

Print Name: **Mike Rohlk**

Firm: **SEH**

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>Stresau Labs</u>	County Name <u>Washburn</u>	Well Name <u>MW-55</u>	
Facility License, Permit or Monitoring Number <u>#6024</u>	County Code <u>66</u>	Wis. Unique Well Number <u>WB688</u>	DNR Well ID Number _____

1. Can this well be purged dry? Yes No

2. Well development method

surged with bailer and bailed	<input type="checkbox"/>	41
surged with bailer and pumped	<input type="checkbox"/>	61
surged with block and bailed	<input type="checkbox"/>	42
surged with block and pumped	<input checked="" type="checkbox"/>	62
surged with block, bailed and pumped	<input type="checkbox"/>	70
compressed air	<input type="checkbox"/>	20
bailed only	<input type="checkbox"/>	10
pumped only	<input type="checkbox"/>	51
pumped slowly	<input type="checkbox"/>	50
Other _____	<input type="checkbox"/>	

3. Time spent developing well 60 min.

4. Depth of well (from top of well casing) 25.4 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 1.0 gal.

7. Volume of water removed from well 80.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>19.11</u> ft.	<u>19.11</u> ft.
Date	b. <u>11/30/2020</u> m m d d y y y y	<u>11/30/2020</u> m m d d y y y y
Time	c. <u>10:00</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>11:00</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<u>0.1</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input checked="" type="checkbox"/> 10 Turbid <input type="checkbox"/> 15 (Describe) <u>no color</u>	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) <u>lt Brn</u>
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Mike Last Name: Rolik

Firm: SEH

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Marc Last Name: Makela

Facility/Firm: Stresau Lab

Street: N8265 Madley Rd.

City/State/Zip: Spoooner WI 54801

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Mike Rolik

Print Name: Mike Rolik

Firm: SEH

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Stresau Labs	County Name Washburn	Well Name MW-65
Facility License, Permit or Monitoring Number #6024	County Code 66	Wis. Unique Well Number WBG89
		DNR Well ID Number _____

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other _____ 50

3. Time spent developing well 60 min.
4. Depth of well (from top of well casing) 20.5 ft.
5. Inside diameter of well 2.00 in.
6. Volume of water in filter pack and well casing 7.0 gal.
7. Volume of water removed from well 750 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added NA

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>14.34</u> ft.	<u>17.21</u> ft.
Date	<u>11/13/2020</u>	<u>11/13/2020</u>
Time	c. <u>10:00</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>11:00</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<u>0.1</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Lt Brn</u> <u>Mod Turb</u>	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) <u>Lt Brn</u> <u>slght Turb</u>

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l
15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Mike Last Name: Rohlik

Firm: SEH

Name and Address of Facility Contact /Owner/Responsible Party

First Name: _____ Last Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: [Signature]

Print Name: Mike Rohlik

Firm: SEH

Use the Groundwater Monitoring Well and Point Information Form to record identification, location and construction information for groundwater monitoring wells and any other sample "points," (e.g., gas probes, lysimeters, leachate collection systems, etc.), that are part of the environmental monitoring program. **NOTE:** Not all fields will be applicable to all point types. Only one coordinate reference system may be used per site. Allowable coordinate systems are listed below. (Coordinates for each system require a minimum number of digits as described below.) Local grid coordinates cannot be accepted. Identify the Coordinate Reference System, Datum and Method used.

Facility Name		County		License, Permit or Monitoring No.		Date		Completed By (Name and Firm)								
Stresau Laboratory		Washburn		866009320		04/19/2021		John Guhl/Short Elliott Hendrickson								
DNR Point ID No.	Point Name ¹	WUWN ² (if app.)	Type	Status	Gradient	Enf. Stds. Y/N.	Elevations msl (ft)		Well Casing		Well Screen Length (ft)	Well Total Length ⁴ (ft)	Coordinates ^{5,7,8,9}			
							Construction Date	Ground Surface	Well Top (of casing)	Type			Diam ³ (in)	Length ⁴ (ft)	Y/Lat./Northing	X/Long./Easting
MW-1			11	A	D	Yes	06/12/1995	1053.9	1055.81	plast	2	35.71	10	45.71	606793.37	727654.84
MW-2			11	A	D	Yes	06/15/1995	1051.9	1053.86	plast	2	32.96	10	42.96	606870.18	727620.94
MW-3			11	A	D	Yes	06/13/1995	1051.4	1053.28	plast	2	32.38	10	42.38	606874.69	727669.34
MW-8			11	A	U	Yes	06/19/1995	1052.8	1054.44	plast	2	32.14	10	42.14	606087.99	726826.86
MW-4S		WB610	11	A	D	Yes	11/12/2020	1054.45	1056.85	plast	2	36.40	10	46.40	607685.61	727826.69
MW-5S		WB688	11	A	D	Yes	11/11/2020	1033.07	1035.31	plast	2	15.24	10	25.24	608227.60	727503.58
MW-6S		WB689	11	A	D	Yes	11/11/2020	1028.71	1030.76	plast	2	11.05	10	21.05	608222.03	727246.41
MW-4			11	P	D	Yes	06/15/1995	1027.1	1028.92	plast	2	8	10	18	608391.66	727125.19
MW-5			11	P	S	Yes	06/16/1995	1025.1	1027.38	plast	2	5	10	15	608371.66	727169.65
MW-6			11	P	U	Yes	06/16/1995	1033.5	1035.10	plast	2	13.5	10	23.5	608261.62	727125.11
MW-7			11	P	D	Yes	06/16/1995	1029.4	1029.29	plast	2	9	10	19	608352.83	727133.06

¹Include previous name as well if one exists.

²Wisconsin Unique Well Number.

³Well Casing Diameter measures inside diameter.

⁴Length of well casing from top of casing to top of screen.

⁵Total length of well from top of casing to bottom of well. *Should equal sum of well casing length and screen length.*

⁶Identify Coordinate Reference System (only one system may be used per site):

Lat/Long (Decimal Degrees) WGS84 (min. 8 digits total w/ 6 right of decimal, e.g., -89.123456)

State Plane (min. 2 digits right of decimal)

North

Central

South

Wisc. Transverse Mercator WTM91 (min. 2 digits right of decimal)

Local County Coord. Sys. (WISCRS) (min. digits vary by county)

⁷Identify Projection Datum and units^{*}

NAD83

NAD27

NAD83(91)

NAD83(11)

Other

Describe:

Units used for State Plane, WTM or County Coord. Sys:

meters

feet

*NOTE: A datum and units are not required for Lat/Long

⁸Identify the Method Used to Determine the Coordinates:

GPS001-Survey grade

GPS003-Mapping grade/real-time differential correction

GPS004-Mapping grade/post processing

SRV001-Classical terrestrial surveying techniques

OTH001 (Other), Describe:

⁹Y / Lat / Northing describe the vertical axis.

X / Long / Easting describe the horizontal axis.

(include "-" where needed, e.g., -89.123456)

Remarks:

Appendix B

Laboratory Analytical Packages

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-191132-1
Client Project/Site: Stresau Lab

For:

Short Elliott Hendrickson, Inc. dba SEH
10 North Bridge Street
Chippewa Falls, Wisconsin 54729-3374

Attn: Mr. Bruce Olson



*Authorized for release by:
12/24/2020 10:38:28 AM*

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

LINKS

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results through
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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Job ID: 500-191132-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative 500-191132-1

Comments

No additional comments.

Receipt

The samples were received on 11/14/2020 10:10 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 3.5° C, 4.0° C and 5.5° C.

Receipt Exceptions

TTU-7 (2') (500-191132-16), TTU-8 (2') (500-191132-19) and TTU-10 (2') (500-191132-24) Container B for each sample appears to be affected by cooler water - do not use

GC/MS VOA

Method 5035: sample vial has < 8 grams of soil in 10 ml of methanol. HB-1 2-5ft (500-191132-1), HB-2 2-5ft (500-191132-2), TTU-1 (500-191132-3), TTU-2 (500-191132-4), TTU-3 (500-191132-5), TTU-4 (500-191132-6), TTU-5 (500-191132-7), TTU-6 (500-191132-8), TTU-1 24' (500-191132-9), TTU-2 24' (500-191132-10), TTU-3 24' (500-191132-11), TTU-4 24' (500-191132-12), TTU-5 24' (500-191132-13), TTU-6 24' (500-191132-14), TTU-7 (500-191132-15), TTU-7 (2') (500-191132-16), TTU-8 (500-191132-17), TTU-8 (dup) (500-191132-18), TTU-8 (2') (500-191132-19), TTU-9 (500-191132-20), TTU-9 (dup) (500-191132-21), TTU-10 (500-191132-23) and TTU-10 (2') (500-191132-24)

Method 8260B: The laboratory control sample (LCS) for 573806 recovered outside control limits for Chloroethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. HB-1 2-5ft (500-191132-1), HB-2 2-5ft (500-191132-2), TTU-1 (500-191132-3), TTU-2 (500-191132-4), TTU-3 (500-191132-5), TTU-4 (500-191132-6), TTU-5 (500-191132-7), TTU-7 (500-191132-15), TTU-8 (500-191132-17), TTU-8 (dup) (500-191132-18), TTU-9 (500-191132-20), TTU-9 (dup) (500-191132-21), TTU-10 (500-191132-23) and MeOH Blank (500-191132-25)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Dioxin

Method 1613B: An Isotope Dilution Analyte (IDA) recovery associated with the following sample is below the method recommended limit: TTU-9 (500-191132-20). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample(s).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

LCMS

Method 6860: The method blank for preparation batch 280-517528 and analytical batch 280-518062 contained Perchlorate above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. HB-1 2-5ft (500-191132-1), HB-2 2-5ft (500-191132-2), TTU-1 (500-191132-3), TTU-3 (500-191132-5), TTU-5 (500-191132-7), TTU-6 (500-191132-8), TTU-8 (500-191132-17), TTU-8 (dup) (500-191132-18), TTU-9 (500-191132-20), TTU-9 (dup) (500-191132-21) and TTU-10 (500-191132-23) preparation batch 280-517528 and analytical batch 280-518062 Method: 6860

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Methods 1668_Sep_2L, 3550C, 8290, HRMS-Sepf, HRMS-Sox, Split: The following samples went through Gel-Permeation Cleanup procedure, based on EPA method 3640A: TTU-1 (500-191132-3), TTU-2 (500-191132-4), TTU-3 (500-191132-5), TTU-4 (500-191132-6),

Case Narrative

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Job ID: 500-191132-1 (Continued)

Laboratory: Eurofins TestAmerica, Chicago (Continued)

TTU-5 (500-191132-7), TTU-6 (500-191132-8), TTU-7 (500-191132-15), TTU-8 (500-191132-17), TTU-8 (dup) (500-191132-18), TTU-9 (500-191132-20), TTU-9 (dup) (500-191132-21) and TTU-10 (500-191132-23)

Method Prep/Air Dry: Sample contained significant amount of free liquid. TTU-1 (500-191132-3), TTU-9 (500-191132-20) and TTU-9 (dup) (500-191132-21) In preparation batch 280-517975 by Dry_sample for 8330A.

Method Prep/Air Dry: The following samples were air dried and sieved per the procedure; however, the samples contained material that would not pass through the sieve: HB-1 2-5ft (500-191132-1), HB-2 2-5ft (500-191132-2), TTU-1 (500-191132-3), TTU-2 (500-191132-4), TTU-3 (500-191132-5), TTU-4 (500-191132-6), TTU-5 (500-191132-7), TTU-6 (500-191132-8), TTU-7 (500-191132-15), TTU-8 (500-191132-17), TTU-8 (dup) (500-191132-18), TTU-9 (500-191132-20), TTU-9 (dup) (500-191132-21) and TTU-10 (500-191132-23). This material was removed and not extracted. The material removed is described in the aliquot spreadsheet. In preparation batch 280-517975 by dry_sample for 8330A.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.



Detection Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-2 (Continued)

Lab Sample ID: 500-191132-4

Arsenic	0.37	J	0.99	0.34	mg/Kg	1	✳	6010C	Total/NA
Barium	23		0.99	0.11	mg/Kg	1	✳	6010C	Total/NA
Chromium	7.2	B	0.99	0.49	mg/Kg	1	✳	6010C	Total/NA
Lead	2.8		0.49	0.23	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: TTU-3

Lab Sample ID: 500-191132-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
	5.7	J	35	4.9	ug/Kg	1	✳		8270D	Total/NA
	12	J	35	4.9	ug/Kg	1	✳		8270D	Total/NA
	0.23	J B	0.54	0.089	ug/Kg	1	✳		6860	Total/NA

Arsenic	0.48	J	0.99	0.34	mg/Kg	1	✳	6010C	Total/NA
Barium	34		0.99	0.11	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.15	J B	0.20	0.036	mg/Kg	1	✳	6010C	Total/NA
Chromium	7.8	B	0.99	0.49	mg/Kg	1	✳	6010C	Total/NA
Lead	17		0.49	0.23	mg/Kg	1	✳	6010C	Total/NA
Silver	0.13	J	0.49	0.13	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.0072	J	0.018	0.0058	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: TTU-4

Lab Sample ID: 500-191132-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
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This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-4 (Continued)

Lab Sample ID: 500-191132-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
			7						
			4.9	0.051	pg/g				
			4.9	0.045	pg/g				
			9.7	0.022	pg/g	1	⊛	1613B	Total/NA
Arsenic	0.60	J	0.99	0.34	mg/Kg	1	⊛	6010C	Total/NA
Barium	41		0.99	0.11	mg/Kg	1	⊛	6010C	Total/NA
Cadmium	0.17	J B	0.20	0.036	mg/Kg	1	⊛	6010C	Total/NA
Chromium	9.0	B	0.99	0.49	mg/Kg	1	⊛	6010C	Total/NA
Lead	21		0.49	0.23	mg/Kg	1	⊛	6010C	Total/NA
Mercury	0.014	J	0.017	0.0057	mg/Kg	1	⊛	7471B	Total/NA

Client Sample ID: TTU-5

Lab Sample ID: 500-191132-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.58	J	1.0	0.34	mg/Kg	1	⊛	6010C	Total/NA
Barium	46		1.0	0.11	mg/Kg	1	⊛	6010C	Total/NA
Cadmium	0.12	J B	0.20	0.036	mg/Kg	1	⊛	6010C	Total/NA
Chromium	8.2	B	1.0	0.49	mg/Kg	1	⊛	6010C	Total/NA
Lead	16		0.50	0.23	mg/Kg	1	⊛	6010C	Total/NA
Silver	0.23	J	0.50	0.13	mg/Kg	1	⊛	6010C	Total/NA
Mercury	0.089		0.017	0.0057	mg/Kg	1	⊛	7471B	Total/NA

Client Sample ID: TTU-6

Lab Sample ID: 500-191132-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
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This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-8

Lab Sample ID: 500-191132-17

Arsenic	0.50 J	0.96	0.33 mg/Kg	1 ✖	6010C	Total/NA
Barium	38	0.96	0.11 mg/Kg	1 ✖	6010C	Total/NA
Cadmium	0.23 B	0.19	0.034 mg/Kg	1 ✖	6010C	Total/NA
Chromium	7.1 B	0.96	0.47 mg/Kg	1 ✖	6010C	Total/NA
Lead	18	0.48	0.22 mg/Kg	1 ✖	6010C	Total/NA

Client Sample ID: TTU-8 (dup)

Lab Sample ID: 500-191132-18

Arsenic	0.55 J	0.93	0.32 mg/Kg	1 ✖	6010C	Total/NA
Barium	44	0.93	0.11 mg/Kg	1 ✖	6010C	Total/NA
Cadmium	0.43 B	0.19	0.033 mg/Kg	1 ✖	6010C	Total/NA
Chromium	7.8 B	0.93	0.46 mg/Kg	1 ✖	6010C	Total/NA
Lead	24	0.46	0.21 mg/Kg	1 ✖	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-9

Lab Sample ID: 500-191132-20

Element	Concentration	Unit	Method	Concentration	Unit	Method	Concentration	Unit	Method	Concentration	Unit	Method
				9								
Arsenic	0.48	J		1.1			0.36	mg/Kg	1	✳	6010C	Total/NA
Barium	35			1.1			0.12	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.076	J B		0.21			0.038	mg/Kg	1	✳	6010C	Total/NA
Chromium	6.3	B		1.1			0.53	mg/Kg	1	✳	6010C	Total/NA
Lead	7.2			0.53			0.25	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: TTU-9 (dup)

Lab Sample ID: 500-191132-21

Arsenic	0.59	J		1.0			0.35	mg/Kg	1	✳	6010C	Total/NA
Barium	41			1.0			0.12	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.083	J B		0.20			0.037	mg/Kg	1	✳	6010C	Total/NA
Chromium	7.2	B		1.0			0.50	mg/Kg	1	✳	6010C	Total/NA
Lead	8.2			0.51			0.24	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: TTU-10

Lab Sample ID: 500-191132-23

Arsenic	0.35	J		0.96			0.33	mg/Kg	1	✳	6010C	Total/NA
Barium	22			0.96			0.11	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.034	J B		0.19			0.034	mg/Kg	1	✳	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-10 (Continued)

Lab Sample ID: 500-191132-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	5.9	B	0.96	0.47	mg/Kg	1	✳	6010C	Total/NA
Lead	3.4		0.48	0.22	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: MeoH Blank

Lab Sample ID: 500-191132-25

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago



Method Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
			TAL DEN
			TAL DEN
1			TAL KNX
6010C	Metals (ICP)	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI
6860	Deionized Water Leach Prep	SW846	TAL DEN
7471B	Preparation, Mercury	SW846	TAL CHI
HRMS-Sox	Soxhlet Extraction	EPA	TAL KNX
Prep/Air Dry	Preparation, Air drying	None	TAL DEN
Sieve/Ultrasoni	Sieve and Ultrasonic Water Bath Extraction (Explosives)	SW846	TAL DEN

Protocol References:

EPA = US Environmental Protection Agency

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Sample Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-191132-1	HB-1 2-5ft	Solid	11/12/20 00:00	11/14/20 10:10	
500-191132-2	HB-2 2-5ft	Solid	11/12/20 00:00	11/14/20 10:10	
500-191132-3	TTU-1	Solid	11/12/20 00:00	11/14/20 10:10	
500-191132-4	TTU-2	Solid	11/12/20 00:00	11/14/20 10:10	
500-191132-5	TTU-3	Solid	11/12/20 00:00	11/14/20 10:10	
500-191132-6	TTU-4	Solid	11/12/20 00:00	11/14/20 10:10	
500-191132-7	TTU-5	Solid	11/12/20 00:00	11/14/20 10:10	
500-191132-8	TTU-6	Solid	11/12/20 00:00	11/14/20 10:10	
500-191132-15	TTU-7	Solid	11/13/20 09:15	11/14/20 10:10	
500-191132-17	TTU-8	Solid	11/13/20 09:50	11/14/20 10:10	
500-191132-18	TTU-8 (dup)	Solid	11/13/20 10:00	11/14/20 10:10	
500-191132-20	TTU-9	Solid	11/13/20 10:50	11/14/20 10:10	
500-191132-21	TTU-9 (dup)	Solid	11/13/20 11:00	11/14/20 10:10	
500-191132-23	TTU-10	Solid	11/13/20 11:25	11/14/20 10:10	
500-191132-25	MeoH Blank	Solid	11/13/20 00:00	11/14/20 10:10	

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: HB-1 2-5ft

Lab Sample ID: 500-191132-1

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 95.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<45		97	45	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
1,1,1-Trichloroethane	<37		97	37	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
1,1,2,2-Tetrachloroethane	<39		97	39	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
1,1,2-Trichloroethane	<34		97	34	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
1,1-Dichloroethane	<40		97	40	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
1,1-Dichloroethene	<38		97	38	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
1,1-Dichloropropene	<29		97	29	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
1,2,3-Trichlorobenzene	<44		97	44	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
1,2,3-Trichloropropane	<40		190	40	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
1,2,4-Trichlorobenzene	<33		97	33	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
1,2,4-Trimethylbenzene	<35		97	35	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
1,2-Dibromo-3-Chloropropane	<190		480	190	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
1,2-Dibromoethane	<37		97	37	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
1,2-Dichlorobenzene	<32		97	32	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
1,2-Dichloroethane	<38		97	38	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
1,2-Dichloropropane	<41		97	41	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
1,3,5-Trimethylbenzene	<37		97	37	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
1,3-Dichlorobenzene	<39		97	39	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
1,3-Dichloropropane	<35		97	35	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
1,4-Dichlorobenzene	<35		97	35	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
2,2-Dichloropropane	<43		97	43	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
2-Chlorotoluene	<30		97	30	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
4-Chlorotoluene	<34		97	34	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Benzene	<14		24	14	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Bromobenzene	<34		97	34	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Bromochloromethane	<41		97	41	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Bromodichloromethane	<36		97	36	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Bromoform	<47		97	47	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Bromomethane	<77		290	77	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Carbon tetrachloride	<37		97	37	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Chlorobenzene	<37		97	37	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Chloroethane	<49 *		97	49	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Chloroform	<36		190	36	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Chloromethane	<31		97	31	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
cis-1,2-Dichloroethene	<39		97	39	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
cis-1,3-Dichloropropene	<40		97	40	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Dibromochloromethane	<47		97	47	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Dibromomethane	<26		97	26	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Dichlorodifluoromethane	<65		290	65	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Ethylbenzene	<18		24	18	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Hexachlorobutadiene	<43		97	43	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Isopropyl ether	<27		97	27	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Isopropylbenzene	<37		97	37	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Methyl tert-butyl ether	<38		97	38	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Methylene Chloride	<160		480	160	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Naphthalene	<32		97	32	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
n-Butylbenzene	<38		97	38	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
N-Propylbenzene	<40		97	40	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
p-Isopropyltoluene	<35		97	35	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: HB-1 2-5ft

Lab Sample ID: 500-191132-1

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 95.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<39		97	39	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Styrene	<37		97	37	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
tert-Butylbenzene	<39		97	39	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Tetrachloroethene	<36		97	36	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Toluene	<14		24	14	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
trans-1,2-Dichloroethene	<34		97	34	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
trans-1,3-Dichloropropene	<35		97	35	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Trichloroethene	<16		48	16	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Trichlorofluoromethane	<41		97	41	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Vinyl chloride	<25		97	25	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50
Xylenes, Total	<21		48	21	ug/Kg	☼	11/12/20 00:00	11/24/20 22:47	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		75 - 126	11/12/20 00:00	11/24/20 22:47	50
4-Bromofluorobenzene (Surr)	107		72 - 124	11/12/20 00:00	11/24/20 22:47	50
Dibromofluoromethane (Surr)	102		75 - 120	11/12/20 00:00	11/24/20 22:47	50
Toluene-d8 (Surr)	104		75 - 120	11/12/20 00:00	11/24/20 22:47	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.4		70	8.4	ug/Kg	☼	11/21/20 14:30	11/23/20 12:29	1
2-Methylnaphthalene	<6.3		70	6.3	ug/Kg	☼	11/21/20 14:30	11/23/20 12:29	1
Acenaphthene	<6.2		34	6.2	ug/Kg	☼	11/21/20 14:30	11/23/20 12:29	1
Acenaphthylene	<4.5		34	4.5	ug/Kg	☼	11/21/20 14:30	11/23/20 12:29	1
Anthracene	<5.8		34	5.8	ug/Kg	☼	11/21/20 14:30	11/23/20 12:29	1
Benzo[a]anthracene	<4.6		34	4.6	ug/Kg	☼	11/21/20 14:30	11/23/20 12:29	1
Benzo[a]pyrene	<6.7		34	6.7	ug/Kg	☼	11/21/20 14:30	11/23/20 12:29	1
Benzo[b]fluoranthene	<7.4		34	7.4	ug/Kg	☼	11/21/20 14:30	11/23/20 12:29	1
Benzo[g,h,i]perylene	<11	F1	34	11	ug/Kg	☼	11/21/20 14:30	11/23/20 12:29	1
Benzo[k]fluoranthene	<10		34	10	ug/Kg	☼	11/21/20 14:30	11/23/20 12:29	1
Chrysene	<9.4		34	9.4	ug/Kg	☼	11/21/20 14:30	11/23/20 12:29	1
Dibenz(a,h)anthracene	<6.7		34	6.7	ug/Kg	☼	11/21/20 14:30	11/23/20 12:29	1
Fluoranthene	<6.4		34	6.4	ug/Kg	☼	11/21/20 14:30	11/23/20 12:29	1
Fluorene	<4.8		34	4.8	ug/Kg	☼	11/21/20 14:30	11/23/20 12:29	1
Indeno[1,2,3-cd]pyrene	<8.9		34	8.9	ug/Kg	☼	11/21/20 14:30	11/23/20 12:29	1
Naphthalene	<5.3		34	5.3	ug/Kg	☼	11/21/20 14:30	11/23/20 12:29	1
Phenanthrene	<4.8		34	4.8	ug/Kg	☼	11/21/20 14:30	11/23/20 12:29	1
Pyrene	<6.8		34	6.8	ug/Kg	☼	11/21/20 14:30	11/23/20 12:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	87		43 - 145	11/21/20 14:30	11/23/20 12:29	1
Nitrobenzene-d5 (Surr)	76		37 - 147	11/21/20 14:30	11/23/20 12:29	1
Terphenyl-d14 (Surr)	85		42 - 157	11/21/20 14:30	11/23/20 12:29	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: HB-1 2-5ft

Lab Sample ID: 500-191132-1

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 95.2

Prepared

Analyte

Result Qualifier

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.58	J	1.0	0.36	mg/Kg	⊛	11/24/20 18:13	11/25/20 10:21	1
Barium	23		1.0	0.12	mg/Kg	⊛	11/24/20 18:13	11/25/20 10:21	1
Cadmium	<0.038		0.21	0.038	mg/Kg	⊛	11/24/20 18:13	11/25/20 10:21	1
Chromium	7.3	B	1.0	0.52	mg/Kg	⊛	11/24/20 18:13	11/25/20 10:21	1
Lead	1.5		0.52	0.24	mg/Kg	⊛	11/24/20 18:13	11/25/20 10:21	1
Selenium	<0.62		1.0	0.62	mg/Kg	⊛	11/24/20 18:13	11/25/20 10:21	1
Silver	<0.14		0.52	0.14	mg/Kg	⊛	11/24/20 18:13	11/25/20 10:21	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.010	J	0.017	0.0056	mg/Kg	⊛	11/24/20 14:10	11/25/20 10:26	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: HB-2 2-5ft

Lab Sample ID: 500-191132-2

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 95.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<45		98	45	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
1,1,1-Trichloroethane	<37		98	37	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
1,1,2,2-Tetrachloroethane	<39		98	39	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
1,1,2-Trichloroethane	<34		98	34	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
1,1-Dichloroethane	<40		98	40	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
1,1-Dichloroethene	<38		98	38	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
1,1-Dichloropropene	<29		98	29	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
1,2,3-Trichlorobenzene	<45		98	45	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
1,2,3-Trichloropropane	<41		200	41	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
1,2,4-Trichlorobenzene	<33		98	33	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
1,2,4-Trimethylbenzene	<35		98	35	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
1,2-Dibromo-3-Chloropropane	<190		490	190	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
1,2-Dibromoethane	<38		98	38	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
1,2-Dichlorobenzene	<33		98	33	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
1,2-Dichloroethane	<38		98	38	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
1,2-Dichloropropane	<42		98	42	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
1,3,5-Trimethylbenzene	<37		98	37	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
1,3-Dichlorobenzene	<39		98	39	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
1,3-Dichloropropane	<35		98	35	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
1,4-Dichlorobenzene	<36		98	36	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
2,2-Dichloropropane	<43		98	43	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
2-Chlorotoluene	<31		98	31	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
4-Chlorotoluene	<34		98	34	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Benzene	<14		24	14	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Bromobenzene	<35		98	35	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Bromochloromethane	<42		98	42	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Bromodichloromethane	<36		98	36	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Bromoform	<47		98	47	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Bromomethane	<78		290	78	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Carbon tetrachloride	<38		98	38	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Chlorobenzene	<38		98	38	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Chloroethane	<49 *		98	49	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Chloroform	<36		200	36	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Chloromethane	<31		98	31	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
cis-1,2-Dichloroethene	<40		98	40	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
cis-1,3-Dichloropropene	<41		98	41	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Dibromochloromethane	<48		98	48	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Dibromomethane	<26		98	26	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Dichlorodifluoromethane	<66		290	66	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Ethylbenzene	<18		24	18	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Hexachlorobutadiene	<44		98	44	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Isopropyl ether	<27		98	27	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Isopropylbenzene	<38		98	38	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Methyl tert-butyl ether	<39		98	39	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Methylene Chloride	<160		490	160	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Naphthalene	<33		98	33	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
n-Butylbenzene	<38		98	38	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
N-Propylbenzene	<41		98	41	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
p-Isopropyltoluene	<35		98	35	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: HB-2 2-5ft

Lab Sample ID: 500-191132-2

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 95.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<39		98	39	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Styrene	<38		98	38	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
tert-Butylbenzene	<39		98	39	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Tetrachloroethene	<36		98	36	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Toluene	<14		24	14	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
trans-1,2-Dichloroethene	<34		98	34	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
trans-1,3-Dichloropropene	<35		98	35	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Trichloroethene	<16		49	16	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Trichlorofluoromethane	<42		98	42	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Vinyl chloride	<26		98	26	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50
Xylenes, Total	<22		49	22	ug/Kg	☼	11/12/20 00:00	11/24/20 23:14	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		75 - 126	11/12/20 00:00	11/24/20 23:14	50
4-Bromofluorobenzene (Surr)	107		72 - 124	11/12/20 00:00	11/24/20 23:14	50
Dibromofluoromethane (Surr)	103		75 - 120	11/12/20 00:00	11/24/20 23:14	50
Toluene-d8 (Surr)	103		75 - 120	11/12/20 00:00	11/24/20 23:14	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.2		68	8.2	ug/Kg	☼	11/21/20 14:30	11/23/20 12:56	1
2-Methylnaphthalene	<6.2		68	6.2	ug/Kg	☼	11/21/20 14:30	11/23/20 12:56	1
Acenaphthene	<6.0		33	6.0	ug/Kg	☼	11/21/20 14:30	11/23/20 12:56	1
Acenaphthylene	<4.4		33	4.4	ug/Kg	☼	11/21/20 14:30	11/23/20 12:56	1
Anthracene	<5.6		33	5.6	ug/Kg	☼	11/21/20 14:30	11/23/20 12:56	1
Benzo[a]anthracene	<4.5		33	4.5	ug/Kg	☼	11/21/20 14:30	11/23/20 12:56	1
Benzo[a]pyrene	<6.5		33	6.5	ug/Kg	☼	11/21/20 14:30	11/23/20 12:56	1
Benzo[b]fluoranthene	<7.2		33	7.2	ug/Kg	☼	11/21/20 14:30	11/23/20 12:56	1
Benzo[g,h,i]perylene	<11		33	11	ug/Kg	☼	11/21/20 14:30	11/23/20 12:56	1
Benzo[k]fluoranthene	<9.9		33	9.9	ug/Kg	☼	11/21/20 14:30	11/23/20 12:56	1
Chrysene	<9.1		33	9.1	ug/Kg	☼	11/21/20 14:30	11/23/20 12:56	1
Dibenz(a,h)anthracene	<6.5		33	6.5	ug/Kg	☼	11/21/20 14:30	11/23/20 12:56	1
Fluoranthene	<6.2		33	6.2	ug/Kg	☼	11/21/20 14:30	11/23/20 12:56	1
Fluorene	<4.7		33	4.7	ug/Kg	☼	11/21/20 14:30	11/23/20 12:56	1
Indeno[1,2,3-cd]pyrene	<8.7		33	8.7	ug/Kg	☼	11/21/20 14:30	11/23/20 12:56	1
Naphthalene	<5.2		33	5.2	ug/Kg	☼	11/21/20 14:30	11/23/20 12:56	1
Phenanthrene	<4.7		33	4.7	ug/Kg	☼	11/21/20 14:30	11/23/20 12:56	1
Pyrene	<6.7		33	6.7	ug/Kg	☼	11/21/20 14:30	11/23/20 12:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	94		43 - 145	11/21/20 14:30	11/23/20 12:56	1
Nitrobenzene-d5 (Surr)	80		37 - 147	11/21/20 14:30	11/23/20 12:56	1
Terphenyl-d14 (Surr)	86		42 - 157	11/21/20 14:30	11/23/20 12:56	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: HB-2 2-5ft
Date Collected: 11/12/20 00:00
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-2
Matrix: Solid
Percent Solids: 95.5

Analyte	Result	Qualifier	Unit	D	Prepared	Analyzed	Dil Fac		
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.62	J	0.98	0.34	mg/Kg	⊛	11/24/20 18:13	11/25/20 10:24	1
Barium	20		0.98	0.11	mg/Kg	⊛	11/24/20 18:13	11/25/20 10:24	1
Cadmium	0.049	J B	0.20	0.035	mg/Kg	⊛	11/24/20 18:13	11/25/20 10:24	1
Chromium	8.5	B	0.98	0.49	mg/Kg	⊛	11/24/20 18:13	11/25/20 10:24	1
Lead	2.4		0.49	0.23	mg/Kg	⊛	11/24/20 18:13	11/25/20 10:24	1
Selenium	<0.58		0.98	0.58	mg/Kg	⊛	11/24/20 18:13	11/25/20 10:24	1
Silver	0.22	J	0.49	0.13	mg/Kg	⊛	11/24/20 18:13	11/25/20 10:24	1
Method: 7471B - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0057		0.017	0.0057	mg/Kg	⊛	11/24/20 14:10	11/25/20 10:28	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-1

Lab Sample ID: 500-191132-3

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 90.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<49		110	49	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
1,1,1-Trichloroethane	<41		110	41	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
1,1,2,2-Tetrachloroethane	<43		110	43	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
1,1,2-Trichloroethane	<38		110	38	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
1,1-Dichloroethane	<44		110	44	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
1,1-Dichloroethene	<42		110	42	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
1,1-Dichloropropene	<32		110	32	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
1,2,3-Trichlorobenzene	<49		110	49	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
1,2,3-Trichloropropane	<44		210	44	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
1,2,4-Trichlorobenzene	<37		110	37	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
1,2,4-Trimethylbenzene	<38		110	38	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
1,2-Dibromo-3-Chloropropane	<210		540	210	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
1,2-Dibromoethane	<41		110	41	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
1,2-Dichlorobenzene	<36		110	36	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
1,2-Dichloroethane	<42		110	42	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
1,2-Dichloropropane	<46		110	46	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
1,3,5-Trimethylbenzene	<41		110	41	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
1,3-Dichlorobenzene	<43		110	43	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
1,3-Dichloropropane	<39		110	39	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
1,4-Dichlorobenzene	<39		110	39	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
2,2-Dichloropropane	<48		110	48	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
2-Chlorotoluene	<34		110	34	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
4-Chlorotoluene	<37		110	37	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Benzene	<16		27	16	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Bromobenzene	<38		110	38	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Bromochloromethane	<46		110	46	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Bromodichloromethane	<40		110	40	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Bromoform	<52		110	52	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Bromomethane	<85		320	85	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Carbon tetrachloride	<41		110	41	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Chlorobenzene	<41		110	41	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Chloroethane	<54 *		110	54	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Chloroform	<40		210	40	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Chloromethane	<34		110	34	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
cis-1,2-Dichloroethene	<44		110	44	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
cis-1,3-Dichloropropene	<45		110	45	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Dibromochloromethane	<52		110	52	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Dibromomethane	<29		110	29	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Dichlorodifluoromethane	<72		320	72	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Ethylbenzene	<20		27	20	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Hexachlorobutadiene	<48		110	48	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Isopropyl ether	<30		110	30	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Isopropylbenzene	<41		110	41	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Methyl tert-butyl ether	<42		110	42	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Methylene Chloride	<170		540	170	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Naphthalene	<36		110	36	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
n-Butylbenzene	<42		110	42	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
N-Propylbenzene	<44		110	44	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
p-Isopropyltoluene	<39		110	39	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-1

Lab Sample ID: 500-191132-3

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 90.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<43		110	43	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Styrene	<41		110	41	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
tert-Butylbenzene	<43		110	43	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Tetrachloroethene	<40		110	40	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Toluene	<16		27	16	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
trans-1,2-Dichloroethene	<37		110	37	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
trans-1,3-Dichloropropene	<39		110	39	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Trichloroethene	<18		54	18	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Trichlorofluoromethane	<46		110	46	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Vinyl chloride	<28		110	28	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Xylenes, Total	<24		54	24	ug/Kg	☼	11/12/20 00:00	11/24/20 23:41	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		75 - 126				11/12/20 00:00	11/24/20 23:41	50
4-Bromofluorobenzene (Surr)	108		72 - 124				11/12/20 00:00	11/24/20 23:41	50
Dibromofluoromethane (Surr)	102		75 - 120				11/12/20 00:00	11/24/20 23:41	50
Toluene-d8 (Surr)	104		75 - 120				11/12/20 00:00	11/24/20 23:41	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.7		72	8.7	ug/Kg	☼	11/21/20 14:30	11/23/20 13:22	1
2-Methylnaphthalene	<6.6		72	6.6	ug/Kg	☼	11/21/20 14:30	11/23/20 13:22	1
Acenaphthene	<6.4		35	6.4	ug/Kg	☼	11/21/20 14:30	11/23/20 13:22	1
Acenaphthylene	<4.7		35	4.7	ug/Kg	☼	11/21/20 14:30	11/23/20 13:22	1
Anthracene	<6.0		35	6.0	ug/Kg	☼	11/21/20 14:30	11/23/20 13:22	1
Benzo[a]anthracene	<4.8		35	4.8	ug/Kg	☼	11/21/20 14:30	11/23/20 13:22	1
Benzo[a]pyrene	<6.9		35	6.9	ug/Kg	☼	11/21/20 14:30	11/23/20 13:22	1
Benzo[b]fluoranthene	<7.7		35	7.7	ug/Kg	☼	11/21/20 14:30	11/23/20 13:22	1
Benzo[g,h,i]perylene	<11		35	11	ug/Kg	☼	11/21/20 14:30	11/23/20 13:22	1
Benzo[k]fluoranthene	<10		35	10	ug/Kg	☼	11/21/20 14:30	11/23/20 13:22	1
Chrysene	<9.7		35	9.7	ug/Kg	☼	11/21/20 14:30	11/23/20 13:22	1
Dibenz(a,h)anthracene	<6.9		35	6.9	ug/Kg	☼	11/21/20 14:30	11/23/20 13:22	1
Fluoranthene	<6.6		35	6.6	ug/Kg	☼	11/21/20 14:30	11/23/20 13:22	1
Fluorene	<5.0		35	5.0	ug/Kg	☼	11/21/20 14:30	11/23/20 13:22	1
Indeno[1,2,3-cd]pyrene	<9.2		35	9.2	ug/Kg	☼	11/21/20 14:30	11/23/20 13:22	1
Naphthalene	<5.5		35	5.5	ug/Kg	☼	11/21/20 14:30	11/23/20 13:22	1
Phenanthrene	<5.0		35	5.0	ug/Kg	☼	11/21/20 14:30	11/23/20 13:22	1
Pyrene	<7.1		35	7.1	ug/Kg	☼	11/21/20 14:30	11/23/20 13:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	88		43 - 145				11/21/20 14:30	11/23/20 13:22	1
Nitrobenzene-d5 (Surr)	74		37 - 147				11/21/20 14:30	11/23/20 13:22	1
Terphenyl-d14 (Surr)	93		42 - 157				11/21/20 14:30	11/23/20 13:22	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-1

Lab Sample ID: 500-191132-3

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 90.1

Analyte	Result	Qualifier	Unit	D	Prepared	Analyzed	Dil Fac
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Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.70	J	1.0	0.36	mg/Kg	☼	11/24/20 18:13	11/25/20 10:34	1
Barium	36		1.0	0.12	mg/Kg	☼	11/24/20 18:13	11/25/20 10:34	1
Cadmium	0.048	J B	0.21	0.038	mg/Kg	☼	11/24/20 18:13	11/25/20 10:34	1

Eurofins TestAmerica, Chicago



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-1

Lab Sample ID: 500-191132-3

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 90.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	6.6	B	1.0	0.52	mg/Kg	☼	11/24/20 18:13	11/25/20 10:34	1
Lead	3.7		0.52	0.24	mg/Kg	☼	11/24/20 18:13	11/25/20 10:34	1
Selenium	<0.62		1.0	0.62	mg/Kg	☼	11/24/20 18:13	11/25/20 10:34	1
Silver	<0.14		0.52	0.14	mg/Kg	☼	11/24/20 18:13	11/25/20 10:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	J	0.017	0.0056	mg/Kg	☼	11/24/20 14:10	11/25/20 10:30	1



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-2

Lab Sample ID: 500-191132-4

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 93.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<48		100	48	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
1,1,1-Trichloroethane	<40		100	40	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
1,1,2,2-Tetrachloroethane	<41		100	41	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
1,1,2-Trichloroethane	<37		100	37	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
1,1-Dichloroethane	<43		100	43	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
1,1-Dichloroethene	<41		100	41	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
1,1-Dichloropropene	<31		100	31	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
1,2,3-Trichlorobenzene	<48		100	48	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
1,2,3-Trichloropropane	<43		210	43	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
1,2,4-Trichlorobenzene	<36		100	36	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
1,2,4-Trimethylbenzene	<37		100	37	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
1,2-Dibromo-3-Chloropropane	<210		520	210	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
1,2-Dibromoethane	<40		100	40	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
1,2-Dichlorobenzene	<35		100	35	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
1,2-Dichloroethane	<41		100	41	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
1,2-Dichloropropane	<45		100	45	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
1,3,5-Trimethylbenzene	<40		100	40	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
1,3-Dichlorobenzene	<42		100	42	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
1,3-Dichloropropane	<38		100	38	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
1,4-Dichlorobenzene	<38		100	38	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
2,2-Dichloropropane	<46		100	46	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
2-Chlorotoluene	<33		100	33	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
4-Chlorotoluene	<36		100	36	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Benzene	<15		26	15	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Bromobenzene	<37		100	37	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Bromochloromethane	<45		100	45	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Bromodichloromethane	<39		100	39	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Bromoform	<50		100	50	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Bromomethane	<83		310	83	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Carbon tetrachloride	<40		100	40	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Chlorobenzene	<40		100	40	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Chloroethane	<52 *		100	52	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Chloroform	<38		210	38	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Chloromethane	<33		100	33	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
cis-1,2-Dichloroethene	<42		100	42	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
cis-1,3-Dichloropropene	<43		100	43	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Dibromochloromethane	<51		100	51	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Dibromomethane	<28		100	28	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Dichlorodifluoromethane	<70		310	70	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Ethylbenzene	<19		26	19	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Hexachlorobutadiene	<46		100	46	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Isopropyl ether	<29		100	29	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Isopropylbenzene	<40		100	40	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Methyl tert-butyl ether	<41		100	41	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Methylene Chloride	<170		520	170	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Naphthalene	<35		100	35	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
n-Butylbenzene	<40		100	40	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
N-Propylbenzene	<43		100	43	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
p-Isopropyltoluene	<38		100	38	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-2

Lab Sample ID: 500-191132-4

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 93.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<41		100	41	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Styrene	<40		100	40	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
tert-Butylbenzene	<41		100	41	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Tetrachloroethene	<38		100	38	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Toluene	<15		26	15	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
trans-1,2-Dichloroethene	<36		100	36	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
trans-1,3-Dichloropropene	<38		100	38	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Trichloroethene	<17		52	17	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Trichlorofluoromethane	<45		100	45	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Vinyl chloride	<27		100	27	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50
Xylenes, Total	<23		52	23	ug/Kg	☼	11/12/20 00:00	11/25/20 00:07	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		75 - 126	11/12/20 00:00	11/25/20 00:07	50
4-Bromofluorobenzene (Surr)	105		72 - 124	11/12/20 00:00	11/25/20 00:07	50
Dibromofluoromethane (Surr)	104		75 - 120	11/12/20 00:00	11/25/20 00:07	50
Toluene-d8 (Surr)	102		75 - 120	11/12/20 00:00	11/25/20 00:07	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.4		69	8.4	ug/Kg	☼	11/21/20 14:30	11/23/20 13:49	1
2-Methylnaphthalene	<6.3		69	6.3	ug/Kg	☼	11/21/20 14:30	11/23/20 13:49	1
Acenaphthene	<6.2		34	6.2	ug/Kg	☼	11/21/20 14:30	11/23/20 13:49	1
Acenaphthylene	<4.5		34	4.5	ug/Kg	☼	11/21/20 14:30	11/23/20 13:49	1
Anthracene	<5.7		34	5.7	ug/Kg	☼	11/21/20 14:30	11/23/20 13:49	1
Benzo[a]anthracene	<4.6		34	4.6	ug/Kg	☼	11/21/20 14:30	11/23/20 13:49	1
Benzo[a]pyrene	<6.6		34	6.6	ug/Kg	☼	11/21/20 14:30	11/23/20 13:49	1
Benzo[b]fluoranthene	<7.4		34	7.4	ug/Kg	☼	11/21/20 14:30	11/23/20 13:49	1
Benzo[g,h,i]perylene	<11		34	11	ug/Kg	☼	11/21/20 14:30	11/23/20 13:49	1
Benzo[k]fluoranthene	<10		34	10	ug/Kg	☼	11/21/20 14:30	11/23/20 13:49	1
Chrysene	<9.3		34	9.3	ug/Kg	☼	11/21/20 14:30	11/23/20 13:49	1
Dibenz(a,h)anthracene	<6.6		34	6.6	ug/Kg	☼	11/21/20 14:30	11/23/20 13:49	1
Fluoranthene	<6.4		34	6.4	ug/Kg	☼	11/21/20 14:30	11/23/20 13:49	1
Fluorene	<4.8		34	4.8	ug/Kg	☼	11/21/20 14:30	11/23/20 13:49	1
Indeno[1,2,3-cd]pyrene	<8.9		34	8.9	ug/Kg	☼	11/21/20 14:30	11/23/20 13:49	1
Naphthalene	<5.3		34	5.3	ug/Kg	☼	11/21/20 14:30	11/23/20 13:49	1
Phenanthrene	<4.8		34	4.8	ug/Kg	☼	11/21/20 14:30	11/23/20 13:49	1
Pyrene	<6.8		34	6.8	ug/Kg	☼	11/21/20 14:30	11/23/20 13:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	99		43 - 145	11/21/20 14:30	11/23/20 13:49	1
Nitrobenzene-d5 (Surr)	84		37 - 147	11/21/20 14:30	11/23/20 13:49	1
Terphenyl-d14 (Surr)	96		42 - 157	11/21/20 14:30	11/23/20 13:49	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-2
Date Collected: 11/12/20 00:00
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-4
Matrix: Solid
Percent Solids: 93.1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.37	J	0.99	0.34	mg/Kg	☼	11/24/20 18:13	11/25/20 10:37	1
Barium	23		0.99	0.11	mg/Kg	☼	11/24/20 18:13	11/25/20 10:37	1
Cadmium	<0.035		0.20	0.035	mg/Kg	☼	11/24/20 18:13	11/25/20 10:37	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-2
Date Collected: 11/12/20 00:00
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-4
Matrix: Solid
Percent Solids: 93.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	7.2	B	0.99	0.49	mg/Kg	✱	11/24/20 18:13	11/25/20 10:37	1
Lead	2.8		0.49	0.23	mg/Kg	✱	11/24/20 18:13	11/25/20 10:37	1
Selenium	<0.58		0.99	0.58	mg/Kg	✱	11/24/20 18:13	11/25/20 10:37	1
Silver	<0.13		0.49	0.13	mg/Kg	✱	11/24/20 18:13	11/25/20 10:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0057		0.017	0.0057	mg/Kg	✱	11/24/20 14:10	11/25/20 10:32	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-3
Date Collected: 11/12/20 00:00
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-5
Matrix: Solid
Percent Solids: 92.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<42		91	42	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
1,1,1-Trichloroethane	<35		91	35	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
1,1,2,2-Tetrachloroethane	<36		91	36	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
1,1,2-Trichloroethane	<32		91	32	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
1,1-Dichloroethane	<37		91	37	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
1,1-Dichloroethene	<36		91	36	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
1,1-Dichloropropene	<27		91	27	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
1,2,3-Trichlorobenzene	<42		91	42	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
1,2,3-Trichloropropane	<38		180	38	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
1,2,4-Trichlorobenzene	<31		91	31	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
1,2,4-Trimethylbenzene	<33		91	33	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
1,2-Dibromo-3-Chloropropane	<180		460	180	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
1,2-Dibromoethane	<35		91	35	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
1,2-Dichlorobenzene	<31		91	31	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
1,2-Dichloroethane	<36		91	36	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
1,2-Dichloropropane	<39		91	39	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
1,3,5-Trimethylbenzene	<35		91	35	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
1,3-Dichlorobenzene	<37		91	37	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
1,3-Dichloropropane	<33		91	33	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
1,4-Dichlorobenzene	<33		91	33	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
2,2-Dichloropropane	<41		91	41	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
2-Chlorotoluene	<29		91	29	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
4-Chlorotoluene	<32		91	32	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Benzene	<13		23	13	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Bromobenzene	<33		91	33	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Bromochloromethane	<39		91	39	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Bromodichloromethane	<34		91	34	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Bromoform	<44		91	44	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Bromomethane	<73		270	73	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Carbon tetrachloride	<35		91	35	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Chlorobenzene	<35		91	35	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Chloroethane	<46 *		91	46	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Chloroform	<34		180	34	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Chloromethane	<29		91	29	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
cis-1,2-Dichloroethene	<37		91	37	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
cis-1,3-Dichloropropene	<38		91	38	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Dibromochloromethane	<45		91	45	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Dibromomethane	<25		91	25	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Dichlorodifluoromethane	<62		270	62	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Ethylbenzene	<17		23	17	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Hexachlorobutadiene	<41		91	41	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Isopropyl ether	<25		91	25	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Isopropylbenzene	<35		91	35	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Methyl tert-butyl ether	<36		91	36	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Methylene Chloride	<150		460	150	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Naphthalene	<31		91	31	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
n-Butylbenzene	<35		91	35	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
N-Propylbenzene	<38		91	38	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
p-Isopropyltoluene	<33		91	33	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-3

Lab Sample ID: 500-191132-5

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 92.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<36		91	36	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Styrene	<35		91	35	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
tert-Butylbenzene	<36		91	36	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Tetrachloroethene	<34		91	34	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Toluene	<13		23	13	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
trans-1,2-Dichloroethene	<32		91	32	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
trans-1,3-Dichloropropene	<33		91	33	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Trichloroethene	<15		46	15	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Trichlorofluoromethane	<39		91	39	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Vinyl chloride	<24		91	24	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50
Xylenes, Total	<20		46	20	ug/Kg	☼	11/12/20 00:00	11/25/20 00:34	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		75 - 126	11/12/20 00:00	11/25/20 00:34	50
4-Bromofluorobenzene (Surr)	107		72 - 124	11/12/20 00:00	11/25/20 00:34	50
Dibromofluoromethane (Surr)	104		75 - 120	11/12/20 00:00	11/25/20 00:34	50
Toluene-d8 (Surr)	103		75 - 120	11/12/20 00:00	11/25/20 00:34	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.5		70	8.5	ug/Kg	☼	11/21/20 14:30	11/23/20 14:15	1
2-Methylnaphthalene	<6.4		70	6.4	ug/Kg	☼	11/21/20 14:30	11/23/20 14:15	1
Acenaphthene	<6.3		35	6.3	ug/Kg	☼	11/21/20 14:30	11/23/20 14:15	1
Acenaphthylene	<4.6		35	4.6	ug/Kg	☼	11/21/20 14:30	11/23/20 14:15	1
Anthracene	<5.8		35	5.8	ug/Kg	☼	11/21/20 14:30	11/23/20 14:15	1
Benzo[a]anthracene	<4.7		35	4.7	ug/Kg	☼	11/21/20 14:30	11/23/20 14:15	1
Benzo[a]pyrene	<6.7		35	6.7	ug/Kg	☼	11/21/20 14:30	11/23/20 14:15	1
Benzo[b]fluoranthene	<7.5		35	7.5	ug/Kg	☼	11/21/20 14:30	11/23/20 14:15	1
Benzo[g,h,i]perylene	<11		35	11	ug/Kg	☼	11/21/20 14:30	11/23/20 14:15	1
Benzo[k]fluoranthene	<10		35	10	ug/Kg	☼	11/21/20 14:30	11/23/20 14:15	1
Chrysene	<9.5		35	9.5	ug/Kg	☼	11/21/20 14:30	11/23/20 14:15	1
Dibenz(a,h)anthracene	<6.7		35	6.7	ug/Kg	☼	11/21/20 14:30	11/23/20 14:15	1
Fluoranthene	<6.5		35	6.5	ug/Kg	☼	11/21/20 14:30	11/23/20 14:15	1
Fluorene	5.7 J		35	4.9	ug/Kg	☼	11/21/20 14:30	11/23/20 14:15	1
Indeno[1,2,3-cd]pyrene	<9.0		35	9.0	ug/Kg	☼	11/21/20 14:30	11/23/20 14:15	1
Naphthalene	<5.4		35	5.4	ug/Kg	☼	11/21/20 14:30	11/23/20 14:15	1
Phenanthrene	12 J		35	4.9	ug/Kg	☼	11/21/20 14:30	11/23/20 14:15	1
Pyrene	<6.9		35	6.9	ug/Kg	☼	11/21/20 14:30	11/23/20 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	87		43 - 145	11/21/20 14:30	11/23/20 14:15	1
Nitrobenzene-d5 (Surr)	74		37 - 147	11/21/20 14:30	11/23/20 14:15	1
Terphenyl-d14 (Surr)	88		42 - 157	11/21/20 14:30	11/23/20 14:15	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-3
Date Collected: 11/12/20 00:00
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-5
Matrix: Solid
Percent Solids: 92.2

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 0
- 1
- 2
- 3
- 4
- 5
- 6

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
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Method: 6010C - Metals (ICP)

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>RL</u>	<u>MDL</u>	<u>Unit</u>	<u>D</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Arsenic	0.48	J	0.99	0.34	mg/Kg	☼	11/24/20 18:13	11/25/20 10:40	1
Barium	34		0.99	0.11	mg/Kg	☼	11/24/20 18:13	11/25/20 10:40	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-3
Date Collected: 11/12/20 00:00
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-5
Matrix: Solid
Percent Solids: 92.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.15	J B	0.20	0.036	mg/Kg	☼	11/24/20 18:13	11/25/20 10:40	1
Chromium	7.8	B	0.99	0.49	mg/Kg	☼	11/24/20 18:13	11/25/20 10:40	1
Lead	17		0.49	0.23	mg/Kg	☼	11/24/20 18:13	11/25/20 10:40	1
Selenium	<0.58		0.99	0.58	mg/Kg	☼	11/24/20 18:13	11/25/20 10:40	1
Silver	0.13	J	0.49	0.13	mg/Kg	☼	11/24/20 18:13	11/25/20 10:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0072	J	0.018	0.0058	mg/Kg	☼	11/24/20 14:10	11/25/20 10:33	1



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-4
Date Collected: 11/12/20 00:00
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-6
Matrix: Solid
Percent Solids: 92.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<44		94	44	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
1,1,1-Trichloroethane	<36		94	36	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
1,1,2,2-Tetrachloroethane	<38		94	38	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
1,1,2-Trichloroethane	<33		94	33	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
1,1-Dichloroethane	<39		94	39	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
1,1-Dichloroethene	<37		94	37	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
1,1-Dichloropropene	<28		94	28	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
1,2,3-Trichlorobenzene	<43		94	43	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
1,2,3-Trichloropropane	<39		190	39	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
1,2,4-Trichlorobenzene	<32		94	32	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
1,2,4-Trimethylbenzene	<34		94	34	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
1,2-Dibromo-3-Chloropropane	<190		470	190	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
1,2-Dibromoethane	<36		94	36	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
1,2-Dichlorobenzene	<32		94	32	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
1,2-Dichloroethane	<37		94	37	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
1,2-Dichloropropane	<40		94	40	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
1,3,5-Trimethylbenzene	<36		94	36	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
1,3-Dichlorobenzene	<38		94	38	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
1,3-Dichloropropane	<34		94	34	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
1,4-Dichlorobenzene	<34		94	34	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
2,2-Dichloropropane	<42		94	42	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
2-Chlorotoluene	<30		94	30	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
4-Chlorotoluene	<33		94	33	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Benzene	<14		24	14	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Bromobenzene	<34		94	34	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Bromochloromethane	<40		94	40	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Bromodichloromethane	<35		94	35	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Bromoform	<46		94	46	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Bromomethane	<75		280	75	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Carbon tetrachloride	<36		94	36	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Chlorobenzene	<36		94	36	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Chloroethane	<48 *		94	48	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Chloroform	<35		190	35	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Chloromethane	<30		94	30	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
cis-1,2-Dichloroethene	<39		94	39	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
cis-1,3-Dichloropropene	<39		94	39	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Dibromochloromethane	<46		94	46	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Dibromomethane	<25		94	25	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Dichlorodifluoromethane	<64		280	64	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Ethylbenzene	<17		24	17	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Hexachlorobutadiene	<42		94	42	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Isopropyl ether	<26		94	26	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Isopropylbenzene	<36		94	36	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Methyl tert-butyl ether	<37		94	37	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Methylene Chloride	<150		470	150	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Naphthalene	<32		94	32	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
n-Butylbenzene	<37		94	37	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
N-Propylbenzene	<39		94	39	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
p-Isopropyltoluene	<34		94	34	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50

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Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-4
Date Collected: 11/12/20 00:00
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-6
Matrix: Solid
Percent Solids: 92.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<38		94	38	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Styrene	<36		94	36	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
tert-Butylbenzene	<38		94	38	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Tetrachloroethene	<35		94	35	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Toluene	<14		24	14	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
trans-1,2-Dichloroethene	<33		94	33	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
trans-1,3-Dichloropropene	<34		94	34	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Trichloroethene	<15		47	15	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Trichlorofluoromethane	<40		94	40	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Vinyl chloride	<25		94	25	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Xylenes, Total	<21		47	21	ug/Kg	☼	11/12/20 00:00	11/25/20 01:01	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		75 - 126				11/12/20 00:00	11/25/20 01:01	50
4-Bromofluorobenzene (Surr)	108		72 - 124				11/12/20 00:00	11/25/20 01:01	50
Dibromofluoromethane (Surr)	103		75 - 120				11/12/20 00:00	11/25/20 01:01	50
Toluene-d8 (Surr)	103		75 - 120				11/12/20 00:00	11/25/20 01:01	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.5		70	8.5	ug/Kg	☼	11/21/20 14:30	11/23/20 14:42	1
2-Methylnaphthalene	<6.4		70	6.4	ug/Kg	☼	11/21/20 14:30	11/23/20 14:42	1
Acenaphthene	<6.3		35	6.3	ug/Kg	☼	11/21/20 14:30	11/23/20 14:42	1
Acenaphthylene	<4.6		35	4.6	ug/Kg	☼	11/21/20 14:30	11/23/20 14:42	1
Anthracene	<5.8		35	5.8	ug/Kg	☼	11/21/20 14:30	11/23/20 14:42	1
Benzo[a]anthracene	<4.7		35	4.7	ug/Kg	☼	11/21/20 14:30	11/23/20 14:42	1
Benzo[a]pyrene	<6.7		35	6.7	ug/Kg	☼	11/21/20 14:30	11/23/20 14:42	1
Benzo[b]fluoranthene	<7.5		35	7.5	ug/Kg	☼	11/21/20 14:30	11/23/20 14:42	1
Benzo[g,h,i]perylene	<11		35	11	ug/Kg	☼	11/21/20 14:30	11/23/20 14:42	1
Benzo[k]fluoranthene	<10		35	10	ug/Kg	☼	11/21/20 14:30	11/23/20 14:42	1
Chrysene	<9.5		35	9.5	ug/Kg	☼	11/21/20 14:30	11/23/20 14:42	1
Dibenz(a,h)anthracene	<6.7		35	6.7	ug/Kg	☼	11/21/20 14:30	11/23/20 14:42	1
Fluoranthene	<6.5		35	6.5	ug/Kg	☼	11/21/20 14:30	11/23/20 14:42	1
Fluorene	<4.9		35	4.9	ug/Kg	☼	11/21/20 14:30	11/23/20 14:42	1
Indeno[1,2,3-cd]pyrene	<9.0		35	9.0	ug/Kg	☼	11/21/20 14:30	11/23/20 14:42	1
Naphthalene	<5.4		35	5.4	ug/Kg	☼	11/21/20 14:30	11/23/20 14:42	1
Phenanthrene	<4.9		35	4.9	ug/Kg	☼	11/21/20 14:30	11/23/20 14:42	1
Pyrene	<6.9		35	6.9	ug/Kg	☼	11/21/20 14:30	11/23/20 14:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	93		43 - 145				11/21/20 14:30	11/23/20 14:42	1
Nitrobenzene-d5 (Surr)	77		37 - 147				11/21/20 14:30	11/23/20 14:42	1
Terphenyl-d14 (Surr)	96		42 - 157				11/21/20 14:30	11/23/20 14:42	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-4
Date Collected: 11/12/20 00:00
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-6
Matrix: Solid
Percent Solids: 92.6

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
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Method: 6010C - Metals (ICP)

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>RL</u>	<u>MDL</u>	<u>Unit</u>	<u>D</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Arsenic	0.60	J	0.99	0.34	mg/Kg	☼	11/24/20 18:13	11/25/20 10:43	1
Barium	41		0.99	0.11	mg/Kg	☼	11/24/20 18:13	11/25/20 10:43	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-4
Date Collected: 11/12/20 00:00
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-6
Matrix: Solid
Percent Solids: 92.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.17	J B	0.20	0.036	mg/Kg	☼	11/24/20 18:13	11/25/20 10:43	1
Chromium	9.0	B	0.99	0.49	mg/Kg	☼	11/24/20 18:13	11/25/20 10:43	1
Lead	21		0.49	0.23	mg/Kg	☼	11/24/20 18:13	11/25/20 10:43	1
Selenium	<0.58		0.99	0.58	mg/Kg	☼	11/24/20 18:13	11/25/20 10:43	1
Silver	<0.13		0.49	0.13	mg/Kg	☼	11/24/20 18:13	11/25/20 10:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.017	0.0057	mg/Kg	☼	11/24/20 14:10	11/25/20 10:35	1



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-5
Date Collected: 11/12/20 00:00
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-7
Matrix: Solid
Percent Solids: 91.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<45		98	45	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
1,1,1-Trichloroethane	<37		98	37	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
1,1,2,2-Tetrachloroethane	<39		98	39	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
1,1,2-Trichloroethane	<34		98	34	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
1,1-Dichloroethane	<40		98	40	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
1,1-Dichloroethene	<38		98	38	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
1,1-Dichloropropene	<29		98	29	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
1,2,3-Trichlorobenzene	<45		98	45	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
1,2,3-Trichloropropane	<40		200	40	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
1,2,4-Trichlorobenzene	<33		98	33	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
1,2,4-Trimethylbenzene	<35		98	35	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
1,2-Dibromo-3-Chloropropane	<190		490	190	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
1,2-Dibromoethane	<38		98	38	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
1,2-Dichlorobenzene	<33		98	33	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
1,2-Dichloroethane	<38		98	38	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
1,2-Dichloropropane	<42		98	42	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
1,3,5-Trimethylbenzene	<37		98	37	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
1,3-Dichlorobenzene	<39		98	39	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
1,3-Dichloropropane	<35		98	35	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
1,4-Dichlorobenzene	<35		98	35	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
2,2-Dichloropropane	<43		98	43	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
2-Chlorotoluene	<31		98	31	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
4-Chlorotoluene	<34		98	34	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Benzene	<14		24	14	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Bromobenzene	<35		98	35	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Bromochloromethane	<42		98	42	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Bromodichloromethane	<36		98	36	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Bromoform	<47		98	47	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Bromomethane	<78		290	78	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Carbon tetrachloride	<37		98	37	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Chlorobenzene	<38		98	38	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Chloroethane	<49 *		98	49	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Chloroform	<36		200	36	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Chloromethane	<31		98	31	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
cis-1,2-Dichloroethene	<40		98	40	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
cis-1,3-Dichloropropene	<41		98	41	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Dibromochloromethane	<48		98	48	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Dibromomethane	<26		98	26	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Dichlorodifluoromethane	<66		290	66	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Ethylbenzene	<18		24	18	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Hexachlorobutadiene	<43		98	43	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Isopropyl ether	<27		98	27	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Isopropylbenzene	<37		98	37	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Methyl tert-butyl ether	<38		98	38	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Methylene Chloride	<160		490	160	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Naphthalene	<33		98	33	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
n-Butylbenzene	<38		98	38	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
N-Propylbenzene	<40		98	40	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
p-Isopropyltoluene	<35		98	35	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-5

Lab Sample ID: 500-191132-7

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 91.7

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<39		98	39	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Styrene	<38		98	38	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
tert-Butylbenzene	<39		98	39	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Tetrachloroethene	<36		98	36	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Toluene	<14		24	14	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
trans-1,2-Dichloroethene	<34		98	34	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
trans-1,3-Dichloropropene	<35		98	35	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Trichloroethene	<16		49	16	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Trichlorofluoromethane	<42		98	42	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Vinyl chloride	<26		98	26	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50
Xylenes, Total	<21		49	21	ug/Kg	☼	11/12/20 00:00	11/25/20 01:27	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		75 - 126	11/12/20 00:00	11/25/20 01:27	50
4-Bromofluorobenzene (Surr)	105		72 - 124	11/12/20 00:00	11/25/20 01:27	50
Dibromofluoromethane (Surr)	102		75 - 120	11/12/20 00:00	11/25/20 01:27	50
Toluene-d8 (Surr)	104		75 - 120	11/12/20 00:00	11/25/20 01:27	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.6		71	8.6	ug/Kg	☼	11/21/20 14:30	11/23/20 15:08	1
2-Methylnaphthalene	<6.5		71	6.5	ug/Kg	☼	11/21/20 14:30	11/23/20 15:08	1
Acenaphthene	<6.3		35	6.3	ug/Kg	☼	11/21/20 14:30	11/23/20 15:08	1
Acenaphthylene	<4.6		35	4.6	ug/Kg	☼	11/21/20 14:30	11/23/20 15:08	1
Anthracene	<5.9		35	5.9	ug/Kg	☼	11/21/20 14:30	11/23/20 15:08	1
Benzo[a]anthracene	<4.7		35	4.7	ug/Kg	☼	11/21/20 14:30	11/23/20 15:08	1
Benzo[a]pyrene	<6.8		35	6.8	ug/Kg	☼	11/21/20 14:30	11/23/20 15:08	1
Benzo[b]fluoranthene	<7.6		35	7.6	ug/Kg	☼	11/21/20 14:30	11/23/20 15:08	1
Benzo[g,h,i]perylene	<11		35	11	ug/Kg	☼	11/21/20 14:30	11/23/20 15:08	1
Benzo[k]fluoranthene	<10		35	10	ug/Kg	☼	11/21/20 14:30	11/23/20 15:08	1
Chrysene	<9.6		35	9.6	ug/Kg	☼	11/21/20 14:30	11/23/20 15:08	1
Dibenz(a,h)anthracene	<6.8		35	6.8	ug/Kg	☼	11/21/20 14:30	11/23/20 15:08	1
Fluoranthene	<6.5		35	6.5	ug/Kg	☼	11/21/20 14:30	11/23/20 15:08	1
Fluorene	<4.9		35	4.9	ug/Kg	☼	11/21/20 14:30	11/23/20 15:08	1
Indeno[1,2,3-cd]pyrene	<9.1		35	9.1	ug/Kg	☼	11/21/20 14:30	11/23/20 15:08	1
Naphthalene	<5.4		35	5.4	ug/Kg	☼	11/21/20 14:30	11/23/20 15:08	1
Phenanthrene	<4.9		35	4.9	ug/Kg	☼	11/21/20 14:30	11/23/20 15:08	1
Pyrene	<7.0		35	7.0	ug/Kg	☼	11/21/20 14:30	11/23/20 15:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	86		43 - 145	11/21/20 14:30	11/23/20 15:08	1
Nitrobenzene-d5 (Surr)	72		37 - 147	11/21/20 14:30	11/23/20 15:08	1
Terphenyl-d14 (Surr)	87		42 - 157	11/21/20 14:30	11/23/20 15:08	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-5
Date Collected: 11/12/20 00:00
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-7
Matrix: Solid
Percent Solids: 91.7

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.58	J	1.0	0.34	mg/Kg	☼	11/24/20 18:13	11/25/20 10:46	1
Barium	46		1.0	0.11	mg/Kg	☼	11/24/20 18:13	11/25/20 10:46	1
Cadmium	0.12	J B	0.20	0.036	mg/Kg	☼	11/24/20 18:13	11/25/20 10:46	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-5
Date Collected: 11/12/20 00:00
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-7
Matrix: Solid
Percent Solids: 91.7

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	8.2	B	1.0	0.49	mg/Kg	☼	11/24/20 18:13	11/25/20 10:46	1
Lead	16		0.50	0.23	mg/Kg	☼	11/24/20 18:13	11/25/20 10:46	1
Selenium	<0.59		1.0	0.59	mg/Kg	☼	11/24/20 18:13	11/25/20 10:46	1
Silver	0.23	J	0.50	0.13	mg/Kg	☼	11/24/20 18:13	11/25/20 10:46	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.089		0.017	0.0057	mg/Kg	☼	11/24/20 14:10	11/25/20 10:47	1



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-6
Date Collected: 11/12/20 00:00
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-8
Matrix: Solid
Percent Solids: 89.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<47		100	47	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
1,1,1-Trichloroethane	<39		100	39	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
1,1,2,2-Tetrachloroethane	<40		100	40	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
1,1,2-Trichloroethane	<36		100	36	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
1,1-Dichloroethane	<42		100	42	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
1,1-Dichloroethene	<40		100	40	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
1,1-Dichloropropene	<30		100	30	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
1,2,3-Trichlorobenzene	<47		100	47	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
1,2,3-Trichloropropane	<42		200	42	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
1,2,4-Trichlorobenzene	<35		100	35	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
1,2,4-Trimethylbenzene	<36		100	36	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
1,2-Dibromo-3-Chloropropane	<200		510	200	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
1,2-Dibromoethane	<39		100	39	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
1,2-Dichlorobenzene	<34		100	34	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
1,2-Dichloroethane	<40		100	40	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
1,2-Dichloropropane	<44		100	44	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
1,3,5-Trimethylbenzene	<39		100	39	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
1,3-Dichlorobenzene	<41		100	41	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
1,3-Dichloropropane	<37		100	37	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
1,4-Dichlorobenzene	<37		100	37	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
2,2-Dichloropropane	<45		100	45	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
2-Chlorotoluene	<32		100	32	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
4-Chlorotoluene	<36		100	36	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
Benzene	<15		25	15	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
Bromobenzene	<36		100	36	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
Bromochloromethane	<44		100	44	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
Bromodichloromethane	<38		100	38	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
Bromoform	<49		100	49	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
Bromomethane	<81		310	81	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
Carbon tetrachloride	<39		100	39	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
Chlorobenzene	<39		100	39	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
Chloroethane	<51		100	51	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
Chloroform	<38		200	38	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
Chloromethane	<33		100	33	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
cis-1,2-Dichloroethene	<41		100	41	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
cis-1,3-Dichloropropene	<42		100	42	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
Dibromochloromethane	<50		100	50	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
Dibromomethane	<27		100	27	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
Dichlorodifluoromethane	<69		310	69	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
Ethylbenzene	<19		25	19	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
Hexachlorobutadiene	<45		100	45	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
Isopropyl ether	<28		100	28	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
Isopropylbenzene	<39		100	39	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
Methyl tert-butyl ether	<40		100	40	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
Methylene Chloride	<170		510	170	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
Naphthalene	<34		100	34	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
n-Butylbenzene	<39		100	39	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
N-Propylbenzene	<42		100	42	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50
p-Isopropyltoluene	<37		100	37	ug/Kg	✱	11/12/20 00:00	11/25/20 12:43	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-6

Lab Sample ID: 500-191132-8

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 89.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<40		100	40	ug/Kg	☼	11/12/20 00:00	11/25/20 12:43	50
Styrene	<39		100	39	ug/Kg	☼	11/12/20 00:00	11/25/20 12:43	50
tert-Butylbenzene	<40		100	40	ug/Kg	☼	11/12/20 00:00	11/25/20 12:43	50
Tetrachloroethene	<38		100	38	ug/Kg	☼	11/12/20 00:00	11/25/20 12:43	50
Toluene	<15		25	15	ug/Kg	☼	11/12/20 00:00	11/25/20 12:43	50
trans-1,2-Dichloroethene	<36		100	36	ug/Kg	☼	11/12/20 00:00	11/25/20 12:43	50
trans-1,3-Dichloropropene	<37		100	37	ug/Kg	☼	11/12/20 00:00	11/25/20 12:43	50
Trichloroethene	<17		51	17	ug/Kg	☼	11/12/20 00:00	11/25/20 12:43	50
Trichlorofluoromethane	<44		100	44	ug/Kg	☼	11/12/20 00:00	11/25/20 12:43	50
Vinyl chloride	<27		100	27	ug/Kg	☼	11/12/20 00:00	11/25/20 12:43	50
Xylenes, Total	<22		51	22	ug/Kg	☼	11/12/20 00:00	11/25/20 12:43	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		75 - 126				11/12/20 00:00	11/25/20 12:43	50
4-Bromofluorobenzene (Surr)	107		72 - 124				11/12/20 00:00	11/25/20 12:43	50
Dibromofluoromethane (Surr)	104		75 - 120				11/12/20 00:00	11/25/20 12:43	50
Toluene-d8 (Surr)	105		75 - 120				11/12/20 00:00	11/25/20 12:43	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<9.0		75	9.0	ug/Kg	☼	11/21/20 14:30	11/23/20 15:35	1
2-Methylnaphthalene	<6.8		75	6.8	ug/Kg	☼	11/21/20 14:30	11/23/20 15:35	1
Acenaphthene	<6.6		37	6.6	ug/Kg	☼	11/21/20 14:30	11/23/20 15:35	1
Acenaphthylene	<4.9		37	4.9	ug/Kg	☼	11/21/20 14:30	11/23/20 15:35	1
Anthracene	<6.2		37	6.2	ug/Kg	☼	11/21/20 14:30	11/23/20 15:35	1
Benzo[a]anthracene	<5.0		37	5.0	ug/Kg	☼	11/21/20 14:30	11/23/20 15:35	1
Benzo[a]pyrene	<7.2		37	7.2	ug/Kg	☼	11/21/20 14:30	11/23/20 15:35	1
Benzo[b]fluoranthene	<8.0		37	8.0	ug/Kg	☼	11/21/20 14:30	11/23/20 15:35	1
Benzo[g,h,i]perylene	<12		37	12	ug/Kg	☼	11/21/20 14:30	11/23/20 15:35	1
Benzo[k]fluoranthene	<11		37	11	ug/Kg	☼	11/21/20 14:30	11/23/20 15:35	1
Chrysene	<10		37	10	ug/Kg	☼	11/21/20 14:30	11/23/20 15:35	1
Dibenz(a,h)anthracene	<7.1		37	7.1	ug/Kg	☼	11/21/20 14:30	11/23/20 15:35	1
Fluoranthene	<6.9		37	6.9	ug/Kg	☼	11/21/20 14:30	11/23/20 15:35	1
Fluorene	<5.2		37	5.2	ug/Kg	☼	11/21/20 14:30	11/23/20 15:35	1
Indeno[1,2,3-cd]pyrene	<9.6		37	9.6	ug/Kg	☼	11/21/20 14:30	11/23/20 15:35	1
Naphthalene	<5.7		37	5.7	ug/Kg	☼	11/21/20 14:30	11/23/20 15:35	1
Phenanthrene	<5.2		37	5.2	ug/Kg	☼	11/21/20 14:30	11/23/20 15:35	1
Pyrene	<7.3		37	7.3	ug/Kg	☼	11/21/20 14:30	11/23/20 15:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	96		43 - 145				11/21/20 14:30	11/23/20 15:35	1
Nitrobenzene-d5 (Surr)	78		37 - 147				11/21/20 14:30	11/23/20 15:35	1
Terphenyl-d14 (Surr)	88		42 - 157				11/21/20 14:30	11/23/20 15:35	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-6
Date Collected: 11/12/20 00:00
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-8
Matrix: Solid
Percent Solids: 89.2

- 1
- 2
- 3
- 4
- 0
- 1
- 2
- 3
- 4
- 5
- 6

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
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Method: 6010C - Metals (ICP)

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>RL</u>	<u>MDL</u>	<u>Unit</u>	<u>D</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Arsenic	0.50	J	0.99	0.34	mg/Kg	☼	11/24/20 18:13	11/25/20 10:49	1
Barium	82		0.99	0.11	mg/Kg	☼	11/24/20 18:13	11/25/20 10:49	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-6
Date Collected: 11/12/20 00:00
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-8
Matrix: Solid
Percent Solids: 89.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.79	B	0.20	0.036	mg/Kg	☼	11/24/20 18:13	11/25/20 10:49	1
Chromium	11	B	0.99	0.49	mg/Kg	☼	11/24/20 18:13	11/25/20 10:49	1
Lead	90		0.49	0.23	mg/Kg	☼	11/24/20 18:13	11/25/20 10:49	1
Selenium	<0.58		0.99	0.58	mg/Kg	☼	11/24/20 18:13	11/25/20 10:49	1
Silver	0.13	J	0.49	0.13	mg/Kg	☼	11/24/20 18:13	11/25/20 10:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0097	J	0.017	0.0056	mg/Kg	☼	11/24/20 14:10	11/25/20 10:49	1



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-7

Lab Sample ID: 500-191132-15

Date Collected: 11/13/20 09:15

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 92.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<43		94	43	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
1,1,1-Trichloroethane	<36		94	36	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
1,1,2,2-Tetrachloroethane	<37		94	37	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
1,1,2-Trichloroethane	<33		94	33	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
1,1-Dichloroethane	<39		94	39	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
1,1-Dichloroethene	<37		94	37	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
1,1-Dichloropropene	<28		94	28	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
1,2,3-Trichlorobenzene	<43		94	43	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
1,2,3-Trichloropropane	<39		190	39	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
1,2,4-Trichlorobenzene	<32		94	32	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
1,2,4-Trimethylbenzene	<34		94	34	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
1,2-Dibromo-3-Chloropropane	<190		470	190	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
1,2-Dibromoethane	<36		94	36	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
1,2-Dichlorobenzene	<31		94	31	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
1,2-Dichloroethane	<37		94	37	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
1,2-Dichloropropane	<40		94	40	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
1,3,5-Trimethylbenzene	<36		94	36	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
1,3-Dichlorobenzene	<38		94	38	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
1,3-Dichloropropane	<34		94	34	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
1,4-Dichlorobenzene	<34		94	34	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
2,2-Dichloropropane	<42		94	42	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
2-Chlorotoluene	<30		94	30	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
4-Chlorotoluene	<33		94	33	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Benzene	<14		24	14	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Bromobenzene	<34		94	34	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Bromochloromethane	<40		94	40	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Bromodichloromethane	<35		94	35	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Bromoform	<46		94	46	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Bromomethane	<75		280	75	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Carbon tetrachloride	<36		94	36	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Chlorobenzene	<36		94	36	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Chloroethane	<47 *		94	47	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Chloroform	<35		190	35	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Chloromethane	<30		94	30	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
cis-1,2-Dichloroethene	<38		94	38	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
cis-1,3-Dichloropropene	<39		94	39	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Dibromochloromethane	<46		94	46	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Dibromomethane	<25		94	25	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Dichlorodifluoromethane	<63		280	63	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Ethylbenzene	<17		24	17	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Hexachlorobutadiene	<42		94	42	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Isopropyl ether	<26		94	26	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Isopropylbenzene	<36		94	36	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Methyl tert-butyl ether	<37		94	37	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Methylene Chloride	<150		470	150	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Naphthalene	<31		94	31	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
n-Butylbenzene	<37		94	37	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
N-Propylbenzene	<39		94	39	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
p-Isopropyltoluene	<34		94	34	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-7

Lab Sample ID: 500-191132-15

Date Collected: 11/13/20 09:15

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 92.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<37		94	37	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Styrene	<36		94	36	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
tert-Butylbenzene	<37		94	37	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Tetrachloroethene	<35		94	35	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Toluene	<14		24	14	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
trans-1,2-Dichloroethene	<33		94	33	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
trans-1,3-Dichloropropene	<34		94	34	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Trichloroethene	<15		47	15	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Trichlorofluoromethane	<40		94	40	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Vinyl chloride	<25		94	25	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Xylenes, Total	<21		47	21	ug/Kg	☼	11/13/20 09:15	11/25/20 01:54	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		75 - 126				11/13/20 09:15	11/25/20 01:54	50
4-Bromofluorobenzene (Surr)	106		72 - 124				11/13/20 09:15	11/25/20 01:54	50
Dibromofluoromethane (Surr)	106		75 - 120				11/13/20 09:15	11/25/20 01:54	50
Toluene-d8 (Surr)	103		75 - 120				11/13/20 09:15	11/25/20 01:54	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.7		72	8.7	ug/Kg	☼	11/21/20 14:30	11/23/20 16:01	1
2-Methylnaphthalene	<6.5		72	6.5	ug/Kg	☼	11/21/20 14:30	11/23/20 16:01	1
Acenaphthene	<6.4		35	6.4	ug/Kg	☼	11/21/20 14:30	11/23/20 16:01	1
Acenaphthylene	<4.7		35	4.7	ug/Kg	☼	11/21/20 14:30	11/23/20 16:01	1
Anthracene	<5.9		35	5.9	ug/Kg	☼	11/21/20 14:30	11/23/20 16:01	1
Benzo[a]anthracene	<4.8		35	4.8	ug/Kg	☼	11/21/20 14:30	11/23/20 16:01	1
Benzo[a]pyrene	<6.9		35	6.9	ug/Kg	☼	11/21/20 14:30	11/23/20 16:01	1
Benzo[b]fluoranthene	<7.7		35	7.7	ug/Kg	☼	11/21/20 14:30	11/23/20 16:01	1
Benzo[g,h,i]perylene	<11		35	11	ug/Kg	☼	11/21/20 14:30	11/23/20 16:01	1
Benzo[k]fluoranthene	<10		35	10	ug/Kg	☼	11/21/20 14:30	11/23/20 16:01	1
Chrysene	<9.7		35	9.7	ug/Kg	☼	11/21/20 14:30	11/23/20 16:01	1
Dibenz(a,h)anthracene	<6.9		35	6.9	ug/Kg	☼	11/21/20 14:30	11/23/20 16:01	1
Fluoranthene	<6.6		35	6.6	ug/Kg	☼	11/21/20 14:30	11/23/20 16:01	1
Fluorene	<5.0		35	5.0	ug/Kg	☼	11/21/20 14:30	11/23/20 16:01	1
Indeno[1,2,3-cd]pyrene	<9.2		35	9.2	ug/Kg	☼	11/21/20 14:30	11/23/20 16:01	1
Naphthalene	<5.5		35	5.5	ug/Kg	☼	11/21/20 14:30	11/23/20 16:01	1
Phenanthrene	<5.0		35	5.0	ug/Kg	☼	11/21/20 14:30	11/23/20 16:01	1
Pyrene	<7.1		35	7.1	ug/Kg	☼	11/21/20 14:30	11/23/20 16:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	92		43 - 145				11/21/20 14:30	11/23/20 16:01	1
Nitrobenzene-d5 (Surr)	78		37 - 147				11/21/20 14:30	11/23/20 16:01	1
Terphenyl-d14 (Surr)	96		42 - 157				11/21/20 14:30	11/23/20 16:01	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-7
Date Collected: 11/13/20 09:15
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-15
Matrix: Solid
Percent Solids: 92.1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Method: 6010C - Metals (ICP)						
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac
Arsenic	0.46	J	1.1	0.36	mg/Kg	1
Barium	34		1.1	0.12	mg/Kg	1
Cadmium	<0.038		0.21	0.038	mg/Kg	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-7
Date Collected: 11/13/20 09:15
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-15
Matrix: Solid
Percent Solids: 92.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	7.4	B	1.1	0.53	mg/Kg	☼	11/24/20 18:13	11/25/20 10:52	1
Lead	4.6		0.53	0.25	mg/Kg	☼	11/24/20 18:13	11/25/20 10:52	1
Selenium	<0.63		1.1	0.63	mg/Kg	☼	11/24/20 18:13	11/25/20 10:52	1
Silver	<0.14		0.53	0.14	mg/Kg	☼	11/24/20 18:13	11/25/20 10:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0059		0.018	0.0059	mg/Kg	☼	11/25/20 14:00	11/27/20 06:54	1



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-8

Lab Sample ID: 500-191132-17

Date Collected: 11/13/20 09:50

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 90.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<49		110	49	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
1,1,1-Trichloroethane	<40		110	40	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
1,1,2,2-Tetrachloroethane	<42		110	42	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
1,1,2-Trichloroethane	<37		110	37	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
1,1-Dichloroethane	<44		110	44	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
1,1-Dichloroethene	<42		110	42	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
1,1-Dichloropropene	<32		110	32	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
1,2,3-Trichlorobenzene	<49		110	49	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
1,2,3-Trichloropropane	<44		210	44	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
1,2,4-Trichlorobenzene	<36		110	36	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
1,2,4-Trimethylbenzene	<38		110	38	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
1,2-Dibromo-3-Chloropropane	<210		530	210	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
1,2-Dibromoethane	<41		110	41	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
1,2-Dichlorobenzene	<36		110	36	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
1,2-Dichloroethane	<42		110	42	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
1,2-Dichloropropane	<46		110	46	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
1,3,5-Trimethylbenzene	<40		110	40	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
1,3-Dichlorobenzene	<43		110	43	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
1,3-Dichloropropane	<39		110	39	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
1,4-Dichlorobenzene	<39		110	39	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
2,2-Dichloropropane	<47		110	47	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
2-Chlorotoluene	<33		110	33	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
4-Chlorotoluene	<37		110	37	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Benzene	<16		27	16	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Bromobenzene	<38		110	38	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Bromochloromethane	<46		110	46	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Bromodichloromethane	<40		110	40	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Bromoform	<52		110	52	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Bromomethane	<85		320	85	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Carbon tetrachloride	<41		110	41	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Chlorobenzene	<41		110	41	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Chloroethane	<54 *		110	54	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Chloroform	<39		210	39	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Chloromethane	<34		110	34	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
cis-1,2-Dichloroethene	<43		110	43	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
cis-1,3-Dichloropropene	<44		110	44	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Dibromochloromethane	<52		110	52	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Dibromomethane	<29		110	29	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Dichlorodifluoromethane	<72		320	72	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Ethylbenzene	<19		27	19	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Hexachlorobutadiene	<47		110	47	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Isopropyl ether	<29		110	29	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Isopropylbenzene	<41		110	41	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Methyl tert-butyl ether	<42		110	42	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Methylene Chloride	<170		530	170	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Naphthalene	<36		110	36	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
n-Butylbenzene	<41		110	41	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
N-Propylbenzene	<44		110	44	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
p-Isopropyltoluene	<39		110	39	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-8

Lab Sample ID: 500-191132-17

Date Collected: 11/13/20 09:50

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 90.7

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<42		110	42	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Styrene	<41		110	41	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
tert-Butylbenzene	<42		110	42	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Tetrachloroethene	<39		110	39	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Toluene	<16		27	16	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
trans-1,2-Dichloroethene	<37		110	37	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
trans-1,3-Dichloropropene	<39		110	39	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Trichloroethene	<17		53	17	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Trichlorofluoromethane	<46		110	46	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Vinyl chloride	<28		110	28	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50
Xylenes, Total	<23		53	23	ug/Kg	☼	11/13/20 09:50	11/25/20 02:21	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		75 - 126	11/13/20 09:50	11/25/20 02:21	50
4-Bromofluorobenzene (Surr)	107		72 - 124	11/13/20 09:50	11/25/20 02:21	50
Dibromofluoromethane (Surr)	106		75 - 120	11/13/20 09:50	11/25/20 02:21	50
Toluene-d8 (Surr)	104		75 - 120	11/13/20 09:50	11/25/20 02:21	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.5		70	8.5	ug/Kg	☼	11/21/20 14:30	11/23/20 16:27	1
2-Methylnaphthalene	<6.4		70	6.4	ug/Kg	☼	11/21/20 14:30	11/23/20 16:27	1
Acenaphthene	<6.3		35	6.3	ug/Kg	☼	11/21/20 14:30	11/23/20 16:27	1
Acenaphthylene	<4.6		35	4.6	ug/Kg	☼	11/21/20 14:30	11/23/20 16:27	1
Anthracene	<5.8		35	5.8	ug/Kg	☼	11/21/20 14:30	11/23/20 16:27	1
Benzo[a]anthracene	<4.7		35	4.7	ug/Kg	☼	11/21/20 14:30	11/23/20 16:27	1
Benzo[a]pyrene	<6.7		35	6.7	ug/Kg	☼	11/21/20 14:30	11/23/20 16:27	1
Benzo[b]fluoranthene	<7.5		35	7.5	ug/Kg	☼	11/21/20 14:30	11/23/20 16:27	1
Benzo[g,h,i]perylene	<11		35	11	ug/Kg	☼	11/21/20 14:30	11/23/20 16:27	1
Benzo[k]fluoranthene	<10		35	10	ug/Kg	☼	11/21/20 14:30	11/23/20 16:27	1
Chrysene	<9.5		35	9.5	ug/Kg	☼	11/21/20 14:30	11/23/20 16:27	1
Dibenz(a,h)anthracene	<6.7		35	6.7	ug/Kg	☼	11/21/20 14:30	11/23/20 16:27	1
Fluoranthene	<6.5		35	6.5	ug/Kg	☼	11/21/20 14:30	11/23/20 16:27	1
Fluorene	<4.9		35	4.9	ug/Kg	☼	11/21/20 14:30	11/23/20 16:27	1
Indeno[1,2,3-cd]pyrene	<9.0		35	9.0	ug/Kg	☼	11/21/20 14:30	11/23/20 16:27	1
Naphthalene	<5.4		35	5.4	ug/Kg	☼	11/21/20 14:30	11/23/20 16:27	1
Phenanthrene	<4.8		35	4.8	ug/Kg	☼	11/21/20 14:30	11/23/20 16:27	1
Pyrene	<6.9		35	6.9	ug/Kg	☼	11/21/20 14:30	11/23/20 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	92		43 - 145	11/21/20 14:30	11/23/20 16:27	1
Nitrobenzene-d5 (Surr)	76		37 - 147	11/21/20 14:30	11/23/20 16:27	1
Terphenyl-d14 (Surr)	92		42 - 157	11/21/20 14:30	11/23/20 16:27	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-8
Date Collected: 11/13/20 09:50
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-17
Matrix: Solid
Percent Solids: 90.7

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<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
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Method: 6010C - Metals (ICP)

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>RL</u>	<u>MDL</u>	<u>Unit</u>	<u>D</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Arsenic	0.50	J	0.96	0.33	mg/Kg	☼	11/24/20 18:13	11/25/20 10:55	1
Barium	38		0.96	0.11	mg/Kg	☼	11/24/20 18:13	11/25/20 10:55	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-8
Date Collected: 11/13/20 09:50
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-17
Matrix: Solid
Percent Solids: 90.7

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.23	B	0.19	0.034	mg/Kg	☼	11/24/20 18:13	11/25/20 10:55	1
Chromium	7.1	B	0.96	0.47	mg/Kg	☼	11/24/20 18:13	11/25/20 10:55	1
Lead	18		0.48	0.22	mg/Kg	☼	11/24/20 18:13	11/25/20 10:55	1
Selenium	<0.56		0.96	0.56	mg/Kg	☼	11/24/20 18:13	11/25/20 10:55	1
Silver	<0.12		0.48	0.12	mg/Kg	☼	11/24/20 18:13	11/25/20 10:55	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0056		0.017	0.0056	mg/Kg	☼	11/25/20 14:00	11/27/20 06:57	1



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-8 (dup)

Lab Sample ID: 500-191132-18

Date Collected: 11/13/20 10:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 91.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<47		100	47	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
1,1,1-Trichloroethane	<39		100	39	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
1,1,2,2-Tetrachloroethane	<40		100	40	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
1,1,2-Trichloroethane	<36		100	36	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
1,1-Dichloroethane	<42		100	42	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
1,1-Dichloroethene	<40		100	40	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
1,1-Dichloropropene	<30		100	30	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
1,2,3-Trichlorobenzene	<47		100	47	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
1,2,3-Trichloropropane	<42		200	42	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
1,2,4-Trichlorobenzene	<35		100	35	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
1,2,4-Trimethylbenzene	<36		100	36	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
1,2-Dibromo-3-Chloropropane	<200		510	200	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
1,2-Dibromoethane	<39		100	39	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
1,2-Dichlorobenzene	<34		100	34	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
1,2-Dichloroethane	<40		100	40	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
1,2-Dichloropropane	<44		100	44	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
1,3,5-Trimethylbenzene	<39		100	39	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
1,3-Dichlorobenzene	<41		100	41	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
1,3-Dichloropropane	<37		100	37	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
1,4-Dichlorobenzene	<37		100	37	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
2,2-Dichloropropane	<45		100	45	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
2-Chlorotoluene	<32		100	32	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
4-Chlorotoluene	<36		100	36	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Benzene	<15		25	15	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Bromobenzene	<36		100	36	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Bromochloromethane	<44		100	44	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Bromodichloromethane	<38		100	38	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Bromoform	<49		100	49	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Bromomethane	<81		310	81	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Carbon tetrachloride	<39		100	39	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Chlorobenzene	<39		100	39	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Chloroethane	<51 *		100	51	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Chloroform	<38		200	38	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Chloromethane	<33		100	33	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
cis-1,2-Dichloroethene	<42		100	42	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
cis-1,3-Dichloropropene	<42		100	42	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Dibromochloromethane	<50		100	50	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Dibromomethane	<27		100	27	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Dichlorodifluoromethane	<69		310	69	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Ethylbenzene	<19		25	19	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Hexachlorobutadiene	<45		100	45	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Isopropyl ether	<28		100	28	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Isopropylbenzene	<39		100	39	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Methyl tert-butyl ether	<40		100	40	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Methylene Chloride	<170		510	170	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Naphthalene	<34		100	34	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
n-Butylbenzene	<39		100	39	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
N-Propylbenzene	<42		100	42	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
p-Isopropyltoluene	<37		100	37	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-8 (dup)

Lab Sample ID: 500-191132-18

Date Collected: 11/13/20 10:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 91.3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<40		100	40	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Styrene	<39		100	39	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
tert-Butylbenzene	<40		100	40	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Tetrachloroethene	<38		100	38	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Toluene	<15		25	15	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
trans-1,2-Dichloroethene	<36		100	36	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
trans-1,3-Dichloropropene	<37		100	37	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Trichloroethene	<17		51	17	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Trichlorofluoromethane	<44		100	44	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Vinyl chloride	<27		100	27	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Xylenes, Total	<22		51	22	ug/Kg	☼	11/13/20 10:00	11/25/20 02:48	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		75 - 126				11/13/20 10:00	11/25/20 02:48	50
4-Bromofluorobenzene (Surr)	105		72 - 124				11/13/20 10:00	11/25/20 02:48	50
Dibromofluoromethane (Surr)	104		75 - 120				11/13/20 10:00	11/25/20 02:48	50
Toluene-d8 (Surr)	104		75 - 120				11/13/20 10:00	11/25/20 02:48	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.6		71	8.6	ug/Kg	☼	11/21/20 14:30	11/23/20 16:54	1
2-Methylnaphthalene	<6.5		71	6.5	ug/Kg	☼	11/21/20 14:30	11/23/20 16:54	1
Acenaphthene	<6.3		35	6.3	ug/Kg	☼	11/21/20 14:30	11/23/20 16:54	1
Acenaphthylene	<4.6		35	4.6	ug/Kg	☼	11/21/20 14:30	11/23/20 16:54	1
Anthracene	<5.9		35	5.9	ug/Kg	☼	11/21/20 14:30	11/23/20 16:54	1
Benzo[a]anthracene	<4.7		35	4.7	ug/Kg	☼	11/21/20 14:30	11/23/20 16:54	1
Benzo[a]pyrene	<6.8		35	6.8	ug/Kg	☼	11/21/20 14:30	11/23/20 16:54	1
Benzo[b]fluoranthene	<7.6		35	7.6	ug/Kg	☼	11/21/20 14:30	11/23/20 16:54	1
Benzo[g,h,i]perylene	<11		35	11	ug/Kg	☼	11/21/20 14:30	11/23/20 16:54	1
Benzo[k]fluoranthene	<10		35	10	ug/Kg	☼	11/21/20 14:30	11/23/20 16:54	1
Chrysene	<9.6		35	9.6	ug/Kg	☼	11/21/20 14:30	11/23/20 16:54	1
Dibenz(a,h)anthracene	<6.8		35	6.8	ug/Kg	☼	11/21/20 14:30	11/23/20 16:54	1
Fluoranthene	<6.5		35	6.5	ug/Kg	☼	11/21/20 14:30	11/23/20 16:54	1
Fluorene	<5.0		35	5.0	ug/Kg	☼	11/21/20 14:30	11/23/20 16:54	1
Indeno[1,2,3-cd]pyrene	<9.1		35	9.1	ug/Kg	☼	11/21/20 14:30	11/23/20 16:54	1
Naphthalene	<5.4		35	5.4	ug/Kg	☼	11/21/20 14:30	11/23/20 16:54	1
Phenanthrene	<4.9		35	4.9	ug/Kg	☼	11/21/20 14:30	11/23/20 16:54	1
Pyrene	<7.0		35	7.0	ug/Kg	☼	11/21/20 14:30	11/23/20 16:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	82		43 - 145				11/21/20 14:30	11/23/20 16:54	1
Nitrobenzene-d5 (Surr)	68		37 - 147				11/21/20 14:30	11/23/20 16:54	1
Terphenyl-d14 (Surr)	89		42 - 157				11/21/20 14:30	11/23/20 16:54	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-8 (dup)

Lab Sample ID: 500-191132-18

Date Collected: 11/13/20 10:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 91.3

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Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.55	J	0.93	0.32	mg/Kg	☼	11/24/20 18:13	11/25/20 10:59	1
Barium	44		0.93	0.11	mg/Kg	☼	11/24/20 18:13	11/25/20 10:59	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-8 (dup)

Lab Sample ID: 500-191132-18

Date Collected: 11/13/20 10:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 91.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.43	B	0.19	0.033	mg/Kg	☼	11/24/20 18:13	11/25/20 10:59	1
Chromium	7.8	B	0.93	0.46	mg/Kg	☼	11/24/20 18:13	11/25/20 10:59	1
Lead	24		0.46	0.21	mg/Kg	☼	11/24/20 18:13	11/25/20 10:59	1
Selenium	<0.54		0.93	0.54	mg/Kg	☼	11/24/20 18:13	11/25/20 10:59	1
Silver	<0.12		0.46	0.12	mg/Kg	☼	11/24/20 18:13	11/25/20 10:59	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0056		0.017	0.0056	mg/Kg	☼	11/25/20 14:00	11/27/20 06:58	1



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-9

Lab Sample ID: 500-191132-20

Date Collected: 11/13/20 10:50

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 91.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<45		97	45	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
1,1,1-Trichloroethane	<37		97	37	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
1,1,2,2-Tetrachloroethane	<38		97	38	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
1,1,2-Trichloroethane	<34		97	34	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
1,1-Dichloroethane	<40		97	40	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
1,1-Dichloroethene	<38		97	38	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
1,1-Dichloropropene	<29		97	29	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
1,2,3-Trichlorobenzene	<44		97	44	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
1,2,3-Trichloropropane	<40		190	40	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
1,2,4-Trichlorobenzene	<33		97	33	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
1,2,4-Trimethylbenzene	<35		97	35	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
1,2-Dibromo-3-Chloropropane	<190		480	190	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
1,2-Dibromoethane	<37		97	37	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
1,2-Dichlorobenzene	<32		97	32	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
1,2-Dichloroethane	<38		97	38	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
1,2-Dichloropropane	<41		97	41	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
1,3,5-Trimethylbenzene	<37		97	37	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
1,3-Dichlorobenzene	<39		97	39	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
1,3-Dichloropropane	<35		97	35	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
1,4-Dichlorobenzene	<35		97	35	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
2,2-Dichloropropane	<43		97	43	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
2-Chlorotoluene	<30		97	30	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
4-Chlorotoluene	<34		97	34	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Benzene	<14		24	14	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Bromobenzene	<34		97	34	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Bromochloromethane	<41		97	41	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Bromodichloromethane	<36		97	36	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Bromoform	<47		97	47	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Bromomethane	<77		290	77	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Carbon tetrachloride	<37		97	37	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Chlorobenzene	<37		97	37	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Chloroethane	<49 *		97	49	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Chloroform	<36		190	36	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Chloromethane	<31		97	31	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
cis-1,2-Dichloroethene	<39		97	39	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
cis-1,3-Dichloropropene	<40		97	40	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Dibromochloromethane	<47		97	47	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Dibromomethane	<26		97	26	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Dichlorodifluoromethane	<65		290	65	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Ethylbenzene	<18		24	18	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Hexachlorobutadiene	<43		97	43	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Isopropyl ether	<27		97	27	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Isopropylbenzene	<37		97	37	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Methyl tert-butyl ether	<38		97	38	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Methylene Chloride	<160		480	160	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Naphthalene	<32		97	32	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
n-Butylbenzene	<38		97	38	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
N-Propylbenzene	<40		97	40	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
p-Isopropyltoluene	<35		97	35	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-9

Lab Sample ID: 500-191132-20

Date Collected: 11/13/20 10:50

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 91.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<38		97	38	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Styrene	<37		97	37	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
tert-Butylbenzene	<38		97	38	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Tetrachloroethene	<36		97	36	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Toluene	<14		24	14	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
trans-1,2-Dichloroethene	<34		97	34	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
trans-1,3-Dichloropropene	<35		97	35	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Trichloroethene	<16		48	16	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Trichlorofluoromethane	<41		97	41	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Vinyl chloride	<25		97	25	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Xylenes, Total	<21		48	21	ug/Kg	☼	11/13/20 10:50	11/25/20 03:14	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		75 - 126				11/13/20 10:50	11/25/20 03:14	50
4-Bromofluorobenzene (Surr)	105		72 - 124				11/13/20 10:50	11/25/20 03:14	50
Dibromofluoromethane (Surr)	107		75 - 120				11/13/20 10:50	11/25/20 03:14	50
Toluene-d8 (Surr)	102		75 - 120				11/13/20 10:50	11/25/20 03:14	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.8		73	8.8	ug/Kg	☼	11/21/20 14:30	11/23/20 17:20	1
2-Methylnaphthalene	<6.6		73	6.6	ug/Kg	☼	11/21/20 14:30	11/23/20 17:20	1
Acenaphthene	<6.5		36	6.5	ug/Kg	☼	11/21/20 14:30	11/23/20 17:20	1
Acenaphthylene	<4.8		36	4.8	ug/Kg	☼	11/21/20 14:30	11/23/20 17:20	1
Anthracene	<6.0		36	6.0	ug/Kg	☼	11/21/20 14:30	11/23/20 17:20	1
Benzo[a]anthracene	<4.9		36	4.9	ug/Kg	☼	11/21/20 14:30	11/23/20 17:20	1
Benzo[a]pyrene	<7.0		36	7.0	ug/Kg	☼	11/21/20 14:30	11/23/20 17:20	1
Benzo[b]fluoranthene	<7.8		36	7.8	ug/Kg	☼	11/21/20 14:30	11/23/20 17:20	1
Benzo[g,h,i]perylene	<12		36	12	ug/Kg	☼	11/21/20 14:30	11/23/20 17:20	1
Benzo[k]fluoranthene	<11		36	11	ug/Kg	☼	11/21/20 14:30	11/23/20 17:20	1
Chrysene	<9.9		36	9.9	ug/Kg	☼	11/21/20 14:30	11/23/20 17:20	1
Dibenz(a,h)anthracene	<7.0		36	7.0	ug/Kg	☼	11/21/20 14:30	11/23/20 17:20	1
Fluoranthene	<6.7		36	6.7	ug/Kg	☼	11/21/20 14:30	11/23/20 17:20	1
Fluorene	<5.1		36	5.1	ug/Kg	☼	11/21/20 14:30	11/23/20 17:20	1
Indeno[1,2,3-cd]pyrene	<9.4		36	9.4	ug/Kg	☼	11/21/20 14:30	11/23/20 17:20	1
Naphthalene	<5.6		36	5.6	ug/Kg	☼	11/21/20 14:30	11/23/20 17:20	1
Phenanthrene	<5.0		36	5.0	ug/Kg	☼	11/21/20 14:30	11/23/20 17:20	1
Pyrene	<7.2		36	7.2	ug/Kg	☼	11/21/20 14:30	11/23/20 17:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	84		43 - 145				11/21/20 14:30	11/23/20 17:20	1
Nitrobenzene-d5 (Surr)	68		37 - 147				11/21/20 14:30	11/23/20 17:20	1
Terphenyl-d14 (Surr)	86		42 - 157				11/21/20 14:30	11/23/20 17:20	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-9
Date Collected: 11/13/20 10:50
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-20
Matrix: Solid
Percent Solids: 91.1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac		
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.48	J	1.1	0.36	mg/Kg	☼	11/24/20 18:13	11/25/20 11:02	1
Barium	35		1.1	0.12	mg/Kg	☼	11/24/20 18:13	11/25/20 11:02	1
Cadmium	0.076	J B	0.21	0.038	mg/Kg	☼	11/24/20 18:13	11/25/20 11:02	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-9

Lab Sample ID: 500-191132-20

Date Collected: 11/13/20 10:50

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 91.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	6.3	B	1.1	0.53	mg/Kg	☼	11/24/20 18:13	11/25/20 11:02	1
Lead	7.2		0.53	0.25	mg/Kg	☼	11/24/20 18:13	11/25/20 11:02	1
Selenium	<0.62		1.1	0.62	mg/Kg	☼	11/24/20 18:13	11/25/20 11:02	1
Silver	<0.14		0.53	0.14	mg/Kg	☼	11/24/20 18:13	11/25/20 11:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0058		0.018	0.0058	mg/Kg	☼	11/25/20 14:00	11/27/20 07:00	1



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-9 (dup)

Lab Sample ID: 500-191132-21

Date Collected: 11/13/20 11:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 90.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<44		96	44	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
1,1,1-Trichloroethane	<37		96	37	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
1,1,2,2-Tetrachloroethane	<38		96	38	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
1,1,2-Trichloroethane	<34		96	34	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
1,1-Dichloroethane	<39		96	39	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
1,1-Dichloroethene	<38		96	38	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
1,1-Dichloropropene	<29		96	29	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
1,2,3-Trichlorobenzene	<44		96	44	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
1,2,3-Trichloropropane	<40		190	40	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
1,2,4-Trichlorobenzene	<33		96	33	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
1,2,4-Trimethylbenzene	<34		96	34	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
1,2-Dibromo-3-Chloropropane	<190		480	190	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
1,2-Dibromoethane	<37		96	37	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
1,2-Dichlorobenzene	<32		96	32	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
1,2-Dichloroethane	<38		96	38	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
1,2-Dichloropropane	<41		96	41	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
1,3,5-Trimethylbenzene	<37		96	37	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
1,3-Dichlorobenzene	<38		96	38	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
1,3-Dichloropropane	<35		96	35	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
1,4-Dichlorobenzene	<35		96	35	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
2,2-Dichloropropane	<43		96	43	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
2-Chlorotoluene	<30		96	30	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
4-Chlorotoluene	<34		96	34	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Benzene	<14		24	14	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Bromobenzene	<34		96	34	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Bromochloromethane	<41		96	41	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Bromodichloromethane	<36		96	36	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Bromoform	<47		96	47	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Bromomethane	<77		290	77	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Carbon tetrachloride	<37		96	37	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Chlorobenzene	<37		96	37	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Chloroethane	<48 *		96	48	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Chloroform	<36		190	36	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Chloromethane	<31		96	31	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
cis-1,2-Dichloroethene	<39		96	39	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
cis-1,3-Dichloropropene	<40		96	40	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Dibromochloromethane	<47		96	47	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Dibromomethane	<26		96	26	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Dichlorodifluoromethane	<65		290	65	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Ethylbenzene	<18		24	18	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Hexachlorobutadiene	<43		96	43	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Isopropyl ether	<27		96	27	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Isopropylbenzene	<37		96	37	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Methyl tert-butyl ether	<38		96	38	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Methylene Chloride	<160		480	160	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Naphthalene	<32		96	32	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
n-Butylbenzene	<37		96	37	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
N-Propylbenzene	<40		96	40	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
p-Isopropyltoluene	<35		96	35	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-9 (dup)

Lab Sample ID: 500-191132-21

Date Collected: 11/13/20 11:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 90.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<38		96	38	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Styrene	<37		96	37	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
tert-Butylbenzene	<38		96	38	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Tetrachloroethene	<36		96	36	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Toluene	<14		24	14	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
trans-1,2-Dichloroethene	<34		96	34	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
trans-1,3-Dichloropropene	<35		96	35	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Trichloroethene	<16		48	16	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Trichlorofluoromethane	<41		96	41	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Vinyl chloride	<25		96	25	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50
Xylenes, Total	<21		48	21	ug/Kg	☼	11/13/20 11:00	11/25/20 03:41	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	132	X	75 - 126	11/13/20 11:00	11/25/20 03:41	50
4-Bromofluorobenzene (Surr)	104		72 - 124	11/13/20 11:00	11/25/20 03:41	50
Dibromofluoromethane (Surr)	113		75 - 120	11/13/20 11:00	11/25/20 03:41	50
Toluene-d8 (Surr)	102		75 - 120	11/13/20 11:00	11/25/20 03:41	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.8		73	8.8	ug/Kg	☼	11/21/20 14:30	11/23/20 17:47	1
2-Methylnaphthalene	<6.6		73	6.6	ug/Kg	☼	11/21/20 14:30	11/23/20 17:47	1
Acenaphthene	<6.5		36	6.5	ug/Kg	☼	11/21/20 14:30	11/23/20 17:47	1
Acenaphthylene	<4.7		36	4.7	ug/Kg	☼	11/21/20 14:30	11/23/20 17:47	1
Anthracene	<6.0		36	6.0	ug/Kg	☼	11/21/20 14:30	11/23/20 17:47	1
Benzo[a]anthracene	<4.8		36	4.8	ug/Kg	☼	11/21/20 14:30	11/23/20 17:47	1
Benzo[a]pyrene	<7.0		36	7.0	ug/Kg	☼	11/21/20 14:30	11/23/20 17:47	1
Benzo[b]fluoranthene	<7.8		36	7.8	ug/Kg	☼	11/21/20 14:30	11/23/20 17:47	1
Benzo[g,h,i]perylene	<12		36	12	ug/Kg	☼	11/21/20 14:30	11/23/20 17:47	1
Benzo[k]fluoranthene	<11		36	11	ug/Kg	☼	11/21/20 14:30	11/23/20 17:47	1
Chrysene	<9.8		36	9.8	ug/Kg	☼	11/21/20 14:30	11/23/20 17:47	1
Dibenz(a,h)anthracene	<7.0		36	7.0	ug/Kg	☼	11/21/20 14:30	11/23/20 17:47	1
Fluoranthene	<6.7		36	6.7	ug/Kg	☼	11/21/20 14:30	11/23/20 17:47	1
Fluorene	<5.1		36	5.1	ug/Kg	☼	11/21/20 14:30	11/23/20 17:47	1
Indeno[1,2,3-cd]pyrene	<9.3		36	9.3	ug/Kg	☼	11/21/20 14:30	11/23/20 17:47	1
Naphthalene	<5.5		36	5.5	ug/Kg	☼	11/21/20 14:30	11/23/20 17:47	1
Phenanthrene	<5.0		36	5.0	ug/Kg	☼	11/21/20 14:30	11/23/20 17:47	1
Pyrene	<7.2		36	7.2	ug/Kg	☼	11/21/20 14:30	11/23/20 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	84		43 - 145	11/21/20 14:30	11/23/20 17:47	1
Nitrobenzene-d5 (Surr)	70		37 - 147	11/21/20 14:30	11/23/20 17:47	1
Terphenyl-d14 (Surr)	85		42 - 157	11/21/20 14:30	11/23/20 17:47	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-9 (dup)

Lab Sample ID: 500-191132-21

Date Collected: 11/13/20 11:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 90.1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 0
- 1
- 2
- 3
- 4
- 5
- 6

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
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Method: 6010C - Metals (ICP)

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>RL</u>	<u>MDL</u>	<u>Unit</u>	<u>D</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Arsenic	0.59	J	1.0	0.35	mg/Kg	☼	11/24/20 18:13	11/25/20 11:11	1
Barium	41		1.0	0.12	mg/Kg	☼	11/24/20 18:13	11/25/20 11:11	1
Cadmium	0.083	J B	0.20	0.037	mg/Kg	☼	11/24/20 18:13	11/25/20 11:11	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-9 (dup)

Lab Sample ID: 500-191132-21

Date Collected: 11/13/20 11:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 90.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	7.2	B	1.0	0.50	mg/Kg	☼	11/24/20 18:13	11/25/20 11:11	1
Lead	8.2		0.51	0.24	mg/Kg	☼	11/24/20 18:13	11/25/20 11:11	1
Selenium	<0.60		1.0	0.60	mg/Kg	☼	11/24/20 18:13	11/25/20 11:11	1
Silver	<0.13		0.51	0.13	mg/Kg	☼	11/24/20 18:13	11/25/20 11:11	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0059		0.018	0.0059	mg/Kg	☼	11/25/20 14:00	11/27/20 07:01	1



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-10

Lab Sample ID: 500-191132-23

Date Collected: 11/13/20 11:25

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 92.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<51		110	51	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
1,1,1-Trichloroethane	<42		110	42	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
1,1,2,2-Tetrachloroethane	<44		110	44	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
1,1,2-Trichloroethane	<39		110	39	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
1,1-Dichloroethane	<45		110	45	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
1,1-Dichloroethene	<43		110	43	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
1,1-Dichloropropene	<33		110	33	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
1,2,3-Trichlorobenzene	<50		110	50	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
1,2,3-Trichloropropane	<46		220	46	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
1,2,4-Trichlorobenzene	<38		110	38	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
1,2,4-Trimethylbenzene	<39		110	39	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
1,2-Dibromo-3-Chloropropane	<220		550	220	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
1,2-Dibromoethane	<42		110	42	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
1,2-Dichlorobenzene	<37		110	37	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
1,2-Dichloroethane	<43		110	43	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
1,2-Dichloropropane	<47		110	47	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
1,3,5-Trimethylbenzene	<42		110	42	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
1,3-Dichlorobenzene	<44		110	44	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
1,3-Dichloropropane	<40		110	40	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
1,4-Dichlorobenzene	<40		110	40	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
2,2-Dichloropropane	<49		110	49	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
2-Chlorotoluene	<35		110	35	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
4-Chlorotoluene	<39		110	39	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Benzene	<16		28	16	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Bromobenzene	<39		110	39	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Bromochloromethane	<47		110	47	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Bromodichloromethane	<41		110	41	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Bromoform	<53		110	53	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Bromomethane	<88		330	88	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Carbon tetrachloride	<42		110	42	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Chlorobenzene	<42		110	42	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Chloroethane	<55 *		110	55	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Chloroform	<41		220	41	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Chloromethane	<35		110	35	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
cis-1,2-Dichloroethene	<45		110	45	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
cis-1,3-Dichloropropene	<46		110	46	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Dibromochloromethane	<54		110	54	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Dibromomethane	<30		110	30	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Dichlorodifluoromethane	<74		330	74	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Ethylbenzene	<20		28	20	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Hexachlorobutadiene	<49		110	49	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Isopropyl ether	<30		110	30	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Isopropylbenzene	<42		110	42	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Methyl tert-butyl ether	<43		110	43	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Methylene Chloride	<180		550	180	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Naphthalene	<37		110	37	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
n-Butylbenzene	<43		110	43	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
N-Propylbenzene	<46		110	46	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
p-Isopropyltoluene	<40		110	40	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-10

Lab Sample ID: 500-191132-23

Date Collected: 11/13/20 11:25

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 92.4

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<44		110	44	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Styrene	<42		110	42	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
tert-Butylbenzene	<44		110	44	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Tetrachloroethene	<41		110	41	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Toluene	<16		28	16	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
trans-1,2-Dichloroethene	<39		110	39	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
trans-1,3-Dichloropropene	<40		110	40	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Trichloroethene	<18		55	18	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Trichlorofluoromethane	<47		110	47	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Vinyl chloride	<29		110	29	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50
Xylenes, Total	<24		55	24	ug/Kg	☼	11/13/20 11:25	11/25/20 04:07	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	136	X	75 - 126	11/13/20 11:25	11/25/20 04:07	50
4-Bromofluorobenzene (Surr)	107		72 - 124	11/13/20 11:25	11/25/20 04:07	50
Dibromofluoromethane (Surr)	113		75 - 120	11/13/20 11:25	11/25/20 04:07	50
Toluene-d8 (Surr)	99		75 - 120	11/13/20 11:25	11/25/20 04:07	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.5		70	8.5	ug/Kg	☼	11/21/20 14:30	11/23/20 18:13	1
2-Methylnaphthalene	<6.4		70	6.4	ug/Kg	☼	11/21/20 14:30	11/23/20 18:13	1
Acenaphthene	<6.3		35	6.3	ug/Kg	☼	11/21/20 14:30	11/23/20 18:13	1
Acenaphthylene	<4.6		35	4.6	ug/Kg	☼	11/21/20 14:30	11/23/20 18:13	1
Anthracene	<5.8		35	5.8	ug/Kg	☼	11/21/20 14:30	11/23/20 18:13	1
Benzo[a]anthracene	<4.7		35	4.7	ug/Kg	☼	11/21/20 14:30	11/23/20 18:13	1
Benzo[a]pyrene	<6.7		35	6.7	ug/Kg	☼	11/21/20 14:30	11/23/20 18:13	1
Benzo[b]fluoranthene	<7.5		35	7.5	ug/Kg	☼	11/21/20 14:30	11/23/20 18:13	1
Benzo[g,h,i]perylene	<11		35	11	ug/Kg	☼	11/21/20 14:30	11/23/20 18:13	1
Benzo[k]fluoranthene	<10		35	10	ug/Kg	☼	11/21/20 14:30	11/23/20 18:13	1
Chrysene	<9.5		35	9.5	ug/Kg	☼	11/21/20 14:30	11/23/20 18:13	1
Dibenz(a,h)anthracene	<6.7		35	6.7	ug/Kg	☼	11/21/20 14:30	11/23/20 18:13	1
Fluoranthene	<6.5		35	6.5	ug/Kg	☼	11/21/20 14:30	11/23/20 18:13	1
Fluorene	<4.9		35	4.9	ug/Kg	☼	11/21/20 14:30	11/23/20 18:13	1
Indeno[1,2,3-cd]pyrene	<9.0		35	9.0	ug/Kg	☼	11/21/20 14:30	11/23/20 18:13	1
Naphthalene	<5.4		35	5.4	ug/Kg	☼	11/21/20 14:30	11/23/20 18:13	1
Phenanthrene	<4.9		35	4.9	ug/Kg	☼	11/21/20 14:30	11/23/20 18:13	1
Pyrene	<6.9		35	6.9	ug/Kg	☼	11/21/20 14:30	11/23/20 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	98		43 - 145	11/21/20 14:30	11/23/20 18:13	1
Nitrobenzene-d5 (Surr)	81		37 - 147	11/21/20 14:30	11/23/20 18:13	1
Terphenyl-d14 (Surr)	97		42 - 157	11/21/20 14:30	11/23/20 18:13	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-10
Date Collected: 11/13/20 11:25
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-23
Matrix: Solid
Percent Solids: 92.4

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.35	J	0.96	0.33	mg/Kg	☼	11/24/20 18:13	11/25/20 11:14	1
Barium	22		0.96	0.11	mg/Kg	☼	11/24/20 18:13	11/25/20 11:14	1
Cadmium	0.034	J B	0.19	0.034	mg/Kg	☼	11/24/20 18:13	11/25/20 11:14	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-10

Lab Sample ID: 500-191132-23

Date Collected: 11/13/20 11:25

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 92.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	5.9	B	0.96	0.47	mg/Kg	☼	11/24/20 18:13	11/25/20 11:14	1
Lead	3.4		0.48	0.22	mg/Kg	☼	11/24/20 18:13	11/25/20 11:14	1
Selenium	<0.56		0.96	0.56	mg/Kg	☼	11/24/20 18:13	11/25/20 11:14	1
Silver	<0.12		0.48	0.12	mg/Kg	☼	11/24/20 18:13	11/25/20 11:14	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0057		0.017	0.0057	mg/Kg	☼	11/25/20 14:00	11/27/20 07:03	1



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: MeoH Blank

Lab Sample ID: 500-191132-25

Date Collected: 11/13/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
1,1-Dichloroethane	<21		50	21	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
1,1-Dichloroethene	<20		50	20	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
1,1-Dichloropropene	<15		50	15	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
1,2-Dibromoethane	<19		50	19	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
1,2-Dichloroethane	<20		50	20	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
1,2-Dichloropropane	<21		50	21	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
1,3-Dichloropropane	<18		50	18	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
2,2-Dichloropropane	<22		50	22	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
2-Chlorotoluene	<16		50	16	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
4-Chlorotoluene	<18		50	18	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Benzene	<7.3		13	7.3	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Bromobenzene	<18		50	18	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Bromochloromethane	<21		50	21	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Bromodichloromethane	<19		50	19	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Bromoform	<24		50	24	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Bromomethane	<40		150	40	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Carbon tetrachloride	<19		50	19	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Chlorobenzene	<19		50	19	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Chloroethane	<25 *		50	25	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Chloroform	<19		100	19	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Chloromethane	<16		50	16	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Dibromochloromethane	<24		50	24	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Dibromomethane	<14		50	14	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Hexachlorobutadiene	<22		50	22	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Isopropyl ether	<14		50	14	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Isopropylbenzene	<19		50	19	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Methylene Chloride	<82		250	82	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Naphthalene	<17		50	17	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
n-Butylbenzene	<19		50	19	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
N-Propylbenzene	<21		50	21	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
p-Isopropyltoluene	<18		50	18	ug/Kg		11/13/20 00:00	11/25/20 04:34	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: MeoH Blank

Lab Sample ID: 500-191132-25

Date Collected: 11/13/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<20		50	20	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Styrene	<19		50	19	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
tert-Butylbenzene	<20		50	20	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Tetrachloroethene	<19		50	19	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Toluene	<7.4		13	7.4	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Trichloroethene	<8.2		25	8.2	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Trichlorofluoromethane	<21		50	21	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Vinyl chloride	<13		50	13	ug/Kg		11/13/20 00:00	11/25/20 04:34	50
Xylenes, Total	<11		25	11	ug/Kg		11/13/20 00:00	11/25/20 04:34	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	125		75 - 126	11/13/20 00:00	11/25/20 04:34	50
4-Bromofluorobenzene (Surr)	105		72 - 124	11/13/20 00:00	11/25/20 04:34	50
Dibromofluoromethane (Surr)	109		75 - 120	11/13/20 00:00	11/25/20 04:34	50
Toluene-d8 (Surr)	101		75 - 120	11/13/20 00:00	11/25/20 04:34	50

Definitions/Glossary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
X	Surrogate recovery exceeds control limits

GC/MS Semi VOA

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.

HPLC/IC

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.

LCMS

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.

Dioxin

Qualifier	Qualifier Description
*5	Isotope dilution analyte is outside acceptance limits.
B	Compound was found in the blank and sample.
I	Value is EMPC (estimated maximum possible concentration).
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

Metals

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.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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

Eurofins TestAmerica, Chicago

Definitions/Glossary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

QC Association Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

GC/MS VOA

Prep Batch: 572706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-1	HB-1 2-5ft	Total/NA	Solid	5035	
500-191132-2	HB-2 2-5ft	Total/NA	Solid	5035	
500-191132-3	TTU-1	Total/NA	Solid	5035	
500-191132-4	TTU-2	Total/NA	Solid	5035	
500-191132-5	TTU-3	Total/NA	Solid	5035	
500-191132-6	TTU-4	Total/NA	Solid	5035	
500-191132-7	TTU-5	Total/NA	Solid	5035	
500-191132-8	TTU-6	Total/NA	Solid	5035	
LB3 500-572706/21-A	Method Blank	Total/NA	Solid	5035	
LCS 500-572706/22-A	Lab Control Sample	Total/NA	Solid	5035	

Prep Batch: 572707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-15	TTU-7	Total/NA	Solid	5035	
500-191132-17	TTU-8	Total/NA	Solid	5035	
500-191132-18	TTU-8 (dup)	Total/NA	Solid	5035	
500-191132-20	TTU-9	Total/NA	Solid	5035	
500-191132-21	TTU-9 (dup)	Total/NA	Solid	5035	
500-191132-23	TTU-10	Total/NA	Solid	5035	
500-191132-25	MeoH Blank	Total/NA	Solid	5035	
LB3 500-572707/16-A	Method Blank	Total/NA	Solid	5035	
LCS 500-572707/17-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 573712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 500-572706/21-A	Method Blank	Total/NA	Solid	8260B	572706
MB 500-573712/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-572706/22-A	Lab Control Sample	Total/NA	Solid	8260B	572706
LCS 500-573712/4	Lab Control Sample	Total/NA	Solid	8260B	

Analysis Batch: 573806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-1	HB-1 2-5ft	Total/NA	Solid	8260B	572706
500-191132-2	HB-2 2-5ft	Total/NA	Solid	8260B	572706
500-191132-3	TTU-1	Total/NA	Solid	8260B	572706
500-191132-4	TTU-2	Total/NA	Solid	8260B	572706
500-191132-5	TTU-3	Total/NA	Solid	8260B	572706
500-191132-6	TTU-4	Total/NA	Solid	8260B	572706
500-191132-7	TTU-5	Total/NA	Solid	8260B	572706
500-191132-15	TTU-7	Total/NA	Solid	8260B	572707
500-191132-17	TTU-8	Total/NA	Solid	8260B	572707
500-191132-18	TTU-8 (dup)	Total/NA	Solid	8260B	572707
500-191132-20	TTU-9	Total/NA	Solid	8260B	572707
500-191132-21	TTU-9 (dup)	Total/NA	Solid	8260B	572707
500-191132-23	TTU-10	Total/NA	Solid	8260B	572707
500-191132-25	MeoH Blank	Total/NA	Solid	8260B	572707
MB 500-573806/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-573806/4	Lab Control Sample	Total/NA	Solid	8260B	

QC Association Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

GC/MS VOA

Analysis Batch: 573970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-8	TTU-6	Total/NA	Solid	8260B	572706
LB3 500-572707/16-A	Method Blank	Total/NA	Solid	8260B	572707
MB 500-573970/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-572707/17-A	Lab Control Sample	Total/NA	Solid	8260B	572707
LCS 500-573970/4	Lab Control Sample	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 573445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-1	HB-1 2-5ft	Total/NA	Solid	3541	
500-191132-2	HB-2 2-5ft	Total/NA	Solid	3541	
500-191132-3	TTU-1	Total/NA	Solid	3541	
500-191132-4	TTU-2	Total/NA	Solid	3541	
500-191132-5	TTU-3	Total/NA	Solid	3541	
500-191132-6	TTU-4	Total/NA	Solid	3541	
500-191132-7	TTU-5	Total/NA	Solid	3541	
500-191132-8	TTU-6	Total/NA	Solid	3541	
500-191132-15	TTU-7	Total/NA	Solid	3541	
500-191132-17	TTU-8	Total/NA	Solid	3541	
500-191132-18	TTU-8 (dup)	Total/NA	Solid	3541	
500-191132-20	TTU-9	Total/NA	Solid	3541	
500-191132-21	TTU-9 (dup)	Total/NA	Solid	3541	
500-191132-23	TTU-10	Total/NA	Solid	3541	
MB 500-573445/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-573445/2-A	Lab Control Sample	Total/NA	Solid	3541	
500-191132-1 MS	HB-1 2-5ft	Total/NA	Solid	3541	
500-191132-1 MSD	HB-1 2-5ft	Total/NA	Solid	3541	

Analysis Batch: 573562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-1	HB-1 2-5ft	Total/NA	Solid	8270D	573445
500-191132-2	HB-2 2-5ft	Total/NA	Solid	8270D	573445
500-191132-3	TTU-1	Total/NA	Solid	8270D	573445
500-191132-4	TTU-2	Total/NA	Solid	8270D	573445
500-191132-5	TTU-3	Total/NA	Solid	8270D	573445
500-191132-6	TTU-4	Total/NA	Solid	8270D	573445
500-191132-7	TTU-5	Total/NA	Solid	8270D	573445
500-191132-8	TTU-6	Total/NA	Solid	8270D	573445
500-191132-15	TTU-7	Total/NA	Solid	8270D	573445
500-191132-17	TTU-8	Total/NA	Solid	8270D	573445
500-191132-18	TTU-8 (dup)	Total/NA	Solid	8270D	573445
500-191132-20	TTU-9	Total/NA	Solid	8270D	573445
500-191132-21	TTU-9 (dup)	Total/NA	Solid	8270D	573445
500-191132-23	TTU-10	Total/NA	Solid	8270D	573445
MB 500-573445/1-A	Method Blank	Total/NA	Solid	8270D	573445
LCS 500-573445/2-A	Lab Control Sample	Total/NA	Solid	8270D	573445
500-191132-1 MS	HB-1 2-5ft	Total/NA	Solid	8270D	573445
500-191132-1 MSD	HB-1 2-5ft	Total/NA	Solid	8270D	573445

QC Association Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

HPLC/IC

Drying Batch: 517975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-1	HB-1 2-5ft	Total/NA	Solid	Prep/Air Dry	
500-191132-2	HB-2 2-5ft	Total/NA	Solid	Prep/Air Dry	
500-191132-3	TTU-1	Total/NA	Solid	Prep/Air Dry	
500-191132-4	TTU-2	Total/NA	Solid	Prep/Air Dry	
500-191132-5	TTU-3	Total/NA	Solid	Prep/Air Dry	
500-191132-6	TTU-4	Total/NA	Solid	Prep/Air Dry	
500-191132-7	TTU-5	Total/NA	Solid	Prep/Air Dry	
500-191132-8	TTU-6	Total/NA	Solid	Prep/Air Dry	
500-191132-15	TTU-7	Total/NA	Solid	Prep/Air Dry	
500-191132-17	TTU-8	Total/NA	Solid	Prep/Air Dry	
500-191132-18	TTU-8 (dup)	Total/NA	Solid	Prep/Air Dry	
500-191132-20	TTU-9	Total/NA	Solid	Prep/Air Dry	
500-191132-21	TTU-9 (dup)	Total/NA	Solid	Prep/Air Dry	
500-191132-23	TTU-10	Total/NA	Solid	Prep/Air Dry	

Prep Batch: 518205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-1	HB-1 2-5ft	Total/NA	Solid	Sieve/Ultrasoni	517975
500-191132-2	HB-2 2-5ft	Total/NA	Solid	Sieve/Ultrasoni	517975
500-191132-3	TTU-1	Total/NA	Solid	Sieve/Ultrasoni	517975
500-191132-4	TTU-2	Total/NA	Solid	Sieve/Ultrasoni	517975
500-191132-5	TTU-3	Total/NA	Solid	Sieve/Ultrasoni	517975
500-191132-6	TTU-4	Total/NA	Solid	Sieve/Ultrasoni	517975
500-191132-7	TTU-5	Total/NA	Solid	Sieve/Ultrasoni	517975
500-191132-8	TTU-6	Total/NA	Solid	Sieve/Ultrasoni	517975
500-191132-15	TTU-7	Total/NA	Solid	Sieve/Ultrasoni	517975
500-191132-17	TTU-8	Total/NA	Solid	Sieve/Ultrasoni	517975
500-191132-18	TTU-8 (dup)	Total/NA	Solid	Sieve/Ultrasoni	517975
500-191132-20	TTU-9	Total/NA	Solid	Sieve/Ultrasoni	517975
500-191132-21	TTU-9 (dup)	Total/NA	Solid	Sieve/Ultrasoni	517975
500-191132-23	TTU-10	Total/NA	Solid	Sieve/Ultrasoni	517975
MB 280-518205/1-A	Method Blank	Total/NA	Solid	Sieve/Ultrasoni	
LCS 280-518205/2-A	Lab Control Sample	Total/NA	Solid	Sieve/Ultrasoni	

Analysis Batch: 518935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-1	HB-1 2-5ft	Total/NA	Solid	8330A	518205
500-191132-2	HB-2 2-5ft	Total/NA	Solid	8330A	518205
500-191132-3	TTU-1	Total/NA	Solid	8330A	518205
500-191132-4	TTU-2	Total/NA	Solid	8330A	518205
500-191132-5	TTU-3	Total/NA	Solid	8330A	518205
500-191132-6	TTU-4	Total/NA	Solid	8330A	518205
500-191132-7	TTU-5	Total/NA	Solid	8330A	518205
500-191132-8	TTU-6	Total/NA	Solid	8330A	518205
500-191132-15	TTU-7	Total/NA	Solid	8330A	518205
500-191132-17	TTU-8	Total/NA	Solid	8330A	518205
500-191132-18	TTU-8 (dup)	Total/NA	Solid	8330A	518205
500-191132-20	TTU-9	Total/NA	Solid	8330A	518205
500-191132-21	TTU-9 (dup)	Total/NA	Solid	8330A	518205
500-191132-23	TTU-10	Total/NA	Solid	8330A	518205
MB 280-518205/1-A	Method Blank	Total/NA	Solid	8330A	518205

Eurofins TestAmerica, Chicago

QC Association Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

HPLC/IC (Continued)

Analysis Batch: 518935 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 280-518205/2-A	Lab Control Sample	Total/NA	Solid	8330A	518205

Analysis Batch: 519675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-6	TTU-4	Total/NA	Solid	8330A	518205
500-191132-8	TTU-6	Total/NA	Solid	8330A	518205
500-191132-17	TTU-8	Total/NA	Solid	8330A	518205
500-191132-18	TTU-8 (dup)	Total/NA	Solid	8330A	518205

LCMS

Prep Batch: 517528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-1	HB-1 2-5ft	Total/NA	Solid	6860	
500-191132-2	HB-2 2-5ft	Total/NA	Solid	6860	
500-191132-3	TTU-1	Total/NA	Solid	6860	
500-191132-4	TTU-2	Total/NA	Solid	6860	
500-191132-5	TTU-3	Total/NA	Solid	6860	
500-191132-6	TTU-4	Total/NA	Solid	6860	
500-191132-7	TTU-5	Total/NA	Solid	6860	
500-191132-8	TTU-6	Total/NA	Solid	6860	
500-191132-15	TTU-7	Total/NA	Solid	6860	
500-191132-17	TTU-8	Total/NA	Solid	6860	
500-191132-18	TTU-8 (dup)	Total/NA	Solid	6860	
500-191132-20	TTU-9	Total/NA	Solid	6860	
500-191132-21	TTU-9 (dup)	Total/NA	Solid	6860	
500-191132-23	TTU-10	Total/NA	Solid	6860	
MB 280-517528/1-A	Method Blank	Total/NA	Solid	6860	
LCS 280-517528/2-A	Lab Control Sample	Total/NA	Solid	6860	
500-191132-1 MS	HB-1 2-5ft	Total/NA	Solid	6860	
500-191132-1 MSD	HB-1 2-5ft	Total/NA	Solid	6860	

Analysis Batch: 518062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-1	HB-1 2-5ft	Total/NA	Solid	6860	517528
500-191132-2	HB-2 2-5ft	Total/NA	Solid	6860	517528
500-191132-3	TTU-1	Total/NA	Solid	6860	517528
500-191132-4	TTU-2	Total/NA	Solid	6860	517528
500-191132-5	TTU-3	Total/NA	Solid	6860	517528
500-191132-6	TTU-4	Total/NA	Solid	6860	517528
500-191132-7	TTU-5	Total/NA	Solid	6860	517528
500-191132-8	TTU-6	Total/NA	Solid	6860	517528
500-191132-15	TTU-7	Total/NA	Solid	6860	517528
500-191132-17	TTU-8	Total/NA	Solid	6860	517528
500-191132-18	TTU-8 (dup)	Total/NA	Solid	6860	517528
500-191132-20	TTU-9	Total/NA	Solid	6860	517528
500-191132-21	TTU-9 (dup)	Total/NA	Solid	6860	517528
500-191132-23	TTU-10	Total/NA	Solid	6860	517528
MB 280-517528/1-A	Method Blank	Total/NA	Solid	6860	517528
DLCK 280-518062/12	Lab Control Sample	Total/NA	Solid	6860	
LCS 280-517528/2-A	Lab Control Sample	Total/NA	Solid	6860	517528

Eurofins TestAmerica, Chicago

QC Association Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

LCMS (Continued)

Analysis Batch: 518062 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-1 MS	HB-1 2-5ft	Total/NA	Solid	6860	517528
500-191132-1 MSD	HB-1 2-5ft	Total/NA	Solid	6860	517528

Specialty Organics

Prep Batch: 44670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-3	TTU-1	Total/NA	Solid	HRMS-Sox	
500-191132-4	TTU-2	Total/NA	Solid	HRMS-Sox	
500-191132-5	TTU-3	Total/NA	Solid	HRMS-Sox	
500-191132-6	TTU-4	Total/NA	Solid	HRMS-Sox	
500-191132-7	TTU-5	Total/NA	Solid	HRMS-Sox	
500-191132-8	TTU-6	Total/NA	Solid	HRMS-Sox	
500-191132-15	TTU-7	Total/NA	Solid	HRMS-Sox	
500-191132-17	TTU-8	Total/NA	Solid	HRMS-Sox	
500-191132-18	TTU-8 (dup)	Total/NA	Solid	HRMS-Sox	
500-191132-20	TTU-9	Total/NA	Solid	HRMS-Sox	
500-191132-21	TTU-9 (dup)	Total/NA	Solid	HRMS-Sox	
500-191132-23	TTU-10	Total/NA	Solid	HRMS-Sox	
MB 140-44670/20-A	Method Blank	Total/NA	Solid	HRMS-Sox	
LCS 140-44670/19-A	Lab Control Sample	Total/NA	Solid	HRMS-Sox	

Analysis Batch: 45019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-3	TTU-1	Total/NA	Solid	1613B	44670
500-191132-4	TTU-2	Total/NA	Solid	1613B	44670
500-191132-5	TTU-3	Total/NA	Solid	1613B	44670
500-191132-6	TTU-4	Total/NA	Solid	1613B	44670
500-191132-7	TTU-5	Total/NA	Solid	1613B	44670
500-191132-8	TTU-6	Total/NA	Solid	1613B	44670
500-191132-15	TTU-7	Total/NA	Solid	1613B	44670
MB 140-44670/20-A	Method Blank	Total/NA	Solid	1613B	44670
LCS 140-44670/19-A	Lab Control Sample	Total/NA	Solid	1613B	44670

Analysis Batch: 45049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-17	TTU-8	Total/NA	Solid	1613B	44670
500-191132-18	TTU-8 (dup)	Total/NA	Solid	1613B	44670
500-191132-20	TTU-9	Total/NA	Solid	1613B	44670
500-191132-21	TTU-9 (dup)	Total/NA	Solid	1613B	44670
500-191132-23	TTU-10	Total/NA	Solid	1613B	44670

Analysis Batch: 45102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-5	TTU-3	Total/NA	Solid	1613B	44670
500-191132-6	TTU-4	Total/NA	Solid	1613B	44670
500-191132-8	TTU-6	Total/NA	Solid	1613B	44670
500-191132-17	TTU-8	Total/NA	Solid	1613B	44670
500-191132-18	TTU-8 (dup)	Total/NA	Solid	1613B	44670

QC Association Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Metals

Prep Batch: 573789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-1	HB-1 2-5ft	Total/NA	Solid	7471B	
500-191132-2	HB-2 2-5ft	Total/NA	Solid	7471B	
500-191132-3	TTU-1	Total/NA	Solid	7471B	
500-191132-4	TTU-2	Total/NA	Solid	7471B	
500-191132-5	TTU-3	Total/NA	Solid	7471B	
500-191132-6	TTU-4	Total/NA	Solid	7471B	
500-191132-7	TTU-5	Total/NA	Solid	7471B	
500-191132-8	TTU-6	Total/NA	Solid	7471B	
MB 500-573789/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-573789/13-A	Lab Control Sample	Total/NA	Solid	7471B	
500-191132-6 MS	TTU-4	Total/NA	Solid	7471B	
500-191132-6 MSD	TTU-4	Total/NA	Solid	7471B	
500-191132-6 DU	TTU-4	Total/NA	Solid	7471B	

Prep Batch: 573917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-1	HB-1 2-5ft	Total/NA	Solid	3050B	
500-191132-2	HB-2 2-5ft	Total/NA	Solid	3050B	
500-191132-3	TTU-1	Total/NA	Solid	3050B	
500-191132-4	TTU-2	Total/NA	Solid	3050B	
500-191132-5	TTU-3	Total/NA	Solid	3050B	
500-191132-6	TTU-4	Total/NA	Solid	3050B	
500-191132-7	TTU-5	Total/NA	Solid	3050B	
500-191132-8	TTU-6	Total/NA	Solid	3050B	
500-191132-15	TTU-7	Total/NA	Solid	3050B	
500-191132-17	TTU-8	Total/NA	Solid	3050B	
500-191132-18	TTU-8 (dup)	Total/NA	Solid	3050B	
500-191132-20	TTU-9	Total/NA	Solid	3050B	
500-191132-21	TTU-9 (dup)	Total/NA	Solid	3050B	
500-191132-23	TTU-10	Total/NA	Solid	3050B	
MB 500-573917/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-573917/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 574058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-15	TTU-7	Total/NA	Solid	7471B	
500-191132-17	TTU-8	Total/NA	Solid	7471B	
500-191132-18	TTU-8 (dup)	Total/NA	Solid	7471B	
500-191132-20	TTU-9	Total/NA	Solid	7471B	
500-191132-21	TTU-9 (dup)	Total/NA	Solid	7471B	
500-191132-23	TTU-10	Total/NA	Solid	7471B	
MB 500-574058/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-574058/13-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 574072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-1	HB-1 2-5ft	Total/NA	Solid	7471B	573789
500-191132-2	HB-2 2-5ft	Total/NA	Solid	7471B	573789
500-191132-3	TTU-1	Total/NA	Solid	7471B	573789
500-191132-4	TTU-2	Total/NA	Solid	7471B	573789
500-191132-5	TTU-3	Total/NA	Solid	7471B	573789

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QC Association Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Metals (Continued)

Analysis Batch: 574072 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-6	TTU-4	Total/NA	Solid	7471B	573789
500-191132-7	TTU-5	Total/NA	Solid	7471B	573789
500-191132-8	TTU-6	Total/NA	Solid	7471B	573789
MB 500-573789/12-A	Method Blank	Total/NA	Solid	7471B	573789
LCS 500-573789/13-A	Lab Control Sample	Total/NA	Solid	7471B	573789
500-191132-6 MS	TTU-4	Total/NA	Solid	7471B	573789
500-191132-6 MSD	TTU-4	Total/NA	Solid	7471B	573789
500-191132-6 DU	TTU-4	Total/NA	Solid	7471B	573789

Analysis Batch: 574084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-1	HB-1 2-5ft	Total/NA	Solid	6010C	573917
500-191132-2	HB-2 2-5ft	Total/NA	Solid	6010C	573917
500-191132-3	TTU-1	Total/NA	Solid	6010C	573917
500-191132-4	TTU-2	Total/NA	Solid	6010C	573917
500-191132-5	TTU-3	Total/NA	Solid	6010C	573917
500-191132-6	TTU-4	Total/NA	Solid	6010C	573917
500-191132-7	TTU-5	Total/NA	Solid	6010C	573917
500-191132-8	TTU-6	Total/NA	Solid	6010C	573917
500-191132-15	TTU-7	Total/NA	Solid	6010C	573917
500-191132-17	TTU-8	Total/NA	Solid	6010C	573917
500-191132-18	TTU-8 (dup)	Total/NA	Solid	6010C	573917
500-191132-20	TTU-9	Total/NA	Solid	6010C	573917
500-191132-21	TTU-9 (dup)	Total/NA	Solid	6010C	573917
500-191132-23	TTU-10	Total/NA	Solid	6010C	573917
MB 500-573917/1-A	Method Blank	Total/NA	Solid	6010C	573917
LCS 500-573917/2-A	Lab Control Sample	Total/NA	Solid	6010C	573917

Analysis Batch: 574191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-15	TTU-7	Total/NA	Solid	7471B	574058
500-191132-17	TTU-8	Total/NA	Solid	7471B	574058
500-191132-18	TTU-8 (dup)	Total/NA	Solid	7471B	574058
500-191132-20	TTU-9	Total/NA	Solid	7471B	574058
500-191132-21	TTU-9 (dup)	Total/NA	Solid	7471B	574058
500-191132-23	TTU-10	Total/NA	Solid	7471B	574058
MB 500-574058/12-A	Method Blank	Total/NA	Solid	7471B	574058
LCS 500-574058/13-A	Lab Control Sample	Total/NA	Solid	7471B	574058

General Chemistry

Analysis Batch: 572980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-1	HB-1 2-5ft	Total/NA	Solid	Moisture	
500-191132-2	HB-2 2-5ft	Total/NA	Solid	Moisture	
500-191132-3	TTU-1	Total/NA	Solid	Moisture	
500-191132-4	TTU-2	Total/NA	Solid	Moisture	
500-191132-5	TTU-3	Total/NA	Solid	Moisture	
500-191132-6	TTU-4	Total/NA	Solid	Moisture	
500-191132-7	TTU-5	Total/NA	Solid	Moisture	
500-191132-8	TTU-6	Total/NA	Solid	Moisture	

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QC Association Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

General Chemistry (Continued)

Analysis Batch: 572980 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-15	TTU-7	Total/NA	Solid	Moisture	
500-191132-17	TTU-8	Total/NA	Solid	Moisture	
500-191132-18	TTU-8 (dup)	Total/NA	Solid	Moisture	
500-191132-20	TTU-9	Total/NA	Solid	Moisture	
500-191132-1 DU	HB-1 2-5ft	Total/NA	Solid	Moisture	

Analysis Batch: 572984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191132-21	TTU-9 (dup)	Total/NA	Solid	Moisture	
500-191132-23	TTU-10	Total/NA	Solid	Moisture	
500-191132-21 DU	TTU-9 (dup)	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
500-191132-1	HB-1 2-5ft	115	107	102	104
500-191132-2	HB-2 2-5ft	117	107	103	103
500-191132-3	TTU-1	116	108	102	104
500-191132-4	TTU-2	119	105	104	102
500-191132-5	TTU-3	111	107	104	103
500-191132-6	TTU-4	119	108	103	103
500-191132-7	TTU-5	119	105	102	104
500-191132-8	TTU-6	117	107	104	105
500-191132-15	TTU-7	119	106	106	103
500-191132-17	TTU-8	120	107	106	104
500-191132-18	TTU-8 (dup)	119	105	104	104
500-191132-20	TTU-9	119	105	107	102
500-191132-21	TTU-9 (dup)	132 X	104	113	102
500-191132-23	TTU-10	136 X	107	113	99
500-191132-25	MeoH Blank	125	105	109	101
LB3 500-572706/21-A	Method Blank	115	106	104	104
LB3 500-572707/16-A	Method Blank	119	105	103	103
LCS 500-572706/22-A	Lab Control Sample	111	108	101	107
LCS 500-572707/17-A	Lab Control Sample	112	103	98	106
LCS 500-573712/4	Lab Control Sample	108	106	99	106
LCS 500-573806/4	Lab Control Sample	108	108	100	105
LCS 500-573970/4	Lab Control Sample	114	103	101	106
MB 500-573712/6	Method Blank	111	106	103	103
MB 500-573806/6	Method Blank	114	108	102	102
MB 500-573970/6	Method Blank	121	104	106	102

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (43-145)	NBZ (37-147)	TPHL (42-157)
500-191132-1	HB-1 2-5ft	87	76	85
500-191132-1 MS	HB-1 2-5ft	95	92	100
500-191132-1 MSD	HB-1 2-5ft	89	85	93
500-191132-2	HB-2 2-5ft	94	80	86
500-191132-3	TTU-1	88	74	93
500-191132-4	TTU-2	99	84	96
500-191132-5	TTU-3	87	74	88
500-191132-6	TTU-4	93	77	96
500-191132-7	TTU-5	86	72	87
500-191132-8	TTU-6	96	78	88
500-191132-15	TTU-7	92	78	96
500-191132-17	TTU-8	92	76	92

Surrogate Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	FBP (43-145)	NBZ (37-147)	TPHL (42-157)
500-191132-18	TTU-8 (dup)	82	68	89
500-191132-20	TTU-9	84	68	86
500-191132-21	TTU-9 (dup)	84	70	85
500-191132-23	TTU-10	98	81	97
LCS 500-573445/2-A	Lab Control Sample	95	93	97
MB 500-573445/1-A	Method Blank	104	90	98

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHL = Terphenyl-d14 (Surr)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	12DNB1 (83-122)
500-191132-1	HB-1 2-5ft	93
500-191132-2	HB-2 2-5ft	95
500-191132-3	TTU-1	94
500-191132-4	TTU-2	95
500-191132-5	TTU-3	95
500-191132-6	TTU-4	95
500-191132-7	TTU-5	96
500-191132-8	TTU-6	96
500-191132-15	TTU-7	98
500-191132-17	TTU-8	95
500-191132-18	TTU-8 (dup)	97
500-191132-20	TTU-9	96
500-191132-21	TTU-9 (dup)	94
500-191132-23	TTU-10	96
LCS 280-518205/2-A	Lab Control Sample	95
MB 280-518205/1-A	Method Blank	96

Surrogate Legend

12DNB = 1,2-Dinitrobenzene

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	37TCDD (35-197)
500-191132-3	TTU-1	75
500-191132-4	TTU-2	73
500-191132-5	TTU-3	69
500-191132-6	TTU-4	72
500-191132-7	TTU-5	68
500-191132-8	TTU-6	69
500-191132-15	TTU-7	72
500-191132-17	TTU-8	73

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Surrogate Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	37TCDD (35-197)
500-191132-18	TTU-8 (dup)	71
500-191132-20	TTU-9	75
500-191132-21	TTU-9 (dup)	79
500-191132-23	TTU-10	74
MB 140-44670/20-A	Method Blank	67

Surrogate Legend

37TCDD = 37Cl4-2,3,7,8-TCDD

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	37TCDD (31-191)
LCS 140-44670/19-A	Lab Control Sample	66

Surrogate Legend

37TCDD = 37Cl4-2,3,7,8-TCDD

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-572706/21-A
Matrix: Solid
Analysis Batch: 573712

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 572706

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
1,1-Dichloroethane	<21		50	21	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
1,1-Dichloroethene	<20		50	20	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
1,1-Dichloropropene	<15		50	15	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
1,2-Dibromoethane	<19		50	19	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
1,2-Dichloroethane	<20		50	20	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
1,2-Dichloropropane	<21		50	21	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
1,3-Dichloropropane	<18		50	18	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
2,2-Dichloropropane	<22		50	22	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
2-Chlorotoluene	<16		50	16	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
4-Chlorotoluene	<18		50	18	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Benzene	<7.3		13	7.3	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Bromobenzene	<18		50	18	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Bromochloromethane	<21		50	21	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Bromodichloromethane	<19		50	19	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Bromoform	<24		50	24	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Bromomethane	<40		150	40	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Carbon tetrachloride	<19		50	19	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Chlorobenzene	<19		50	19	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Chloroethane	<25		50	25	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Chloroform	<19		100	19	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Chloromethane	<16		50	16	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Dibromochloromethane	<24		50	24	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Dibromomethane	<14		50	14	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Hexachlorobutadiene	<22		50	22	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Isopropyl ether	<14		50	14	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Isopropylbenzene	<19		50	19	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Methylene Chloride	<82		250	82	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Naphthalene	<17		50	17	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
n-Butylbenzene	<19		50	19	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
N-Propylbenzene	<21		50	21	ug/Kg		11/17/20 20:30	11/24/20 17:44	50

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QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB3 500-572706/21-A
Matrix: Solid
Analysis Batch: 573712

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 572706

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<18		50	18	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
sec-Butylbenzene	<20		50	20	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Styrene	<19		50	19	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
tert-Butylbenzene	<20		50	20	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Tetrachloroethene	<19		50	19	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Toluene	<7.4		13	7.4	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Trichloroethene	<8.2		25	8.2	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Trichlorofluoromethane	<21		50	21	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Vinyl chloride	<13		50	13	ug/Kg		11/17/20 20:30	11/24/20 17:44	50
Xylenes, Total	<11		25	11	ug/Kg		11/17/20 20:30	11/24/20 17:44	50

Surrogate	LB3 %Recovery	LB3 Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		75 - 126	11/17/20 20:30	11/24/20 17:44	50
4-Bromofluorobenzene (Surr)	106		72 - 124	11/17/20 20:30	11/24/20 17:44	50
Dibromofluoromethane (Surr)	104		75 - 120	11/17/20 20:30	11/24/20 17:44	50
Toluene-d8 (Surr)	104		75 - 120	11/17/20 20:30	11/24/20 17:44	50

Lab Sample ID: LCS 500-572706/22-A
Matrix: Solid
Analysis Batch: 573712

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 572706

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1,1,2-Tetrachloroethane	2500	2390		ug/Kg		96	70 - 125
1,1,1-Trichloroethane	2500	2420		ug/Kg		97	70 - 125
1,1,1,2-Tetrachloroethane	2500	2410		ug/Kg		97	62 - 140
1,1,2-Trichloroethane	2500	2420		ug/Kg		97	71 - 130
1,1-Dichloroethane	2500	2520		ug/Kg		101	70 - 125
1,1-Dichloroethene	2500	2120		ug/Kg		85	67 - 122
1,1-Dichloropropene	2500	2480		ug/Kg		99	70 - 121
1,2,3-Trichlorobenzene	2500	2180		ug/Kg		87	51 - 145
1,2,3-Trichloropropane	2500	2790		ug/Kg		111	50 - 133
1,2,4-Trichlorobenzene	2500	2070		ug/Kg		83	57 - 137
1,2,4-Trimethylbenzene	2500	2460		ug/Kg		99	70 - 123
1,2-Dibromo-3-Chloropropane	2500	2610		ug/Kg		104	56 - 123
1,2-Dibromoethane	2500	2490		ug/Kg		100	70 - 125
1,2-Dichlorobenzene	2500	2330		ug/Kg		93	70 - 125
1,2-Dichloroethane	2500	2710		ug/Kg		109	68 - 127
1,2-Dichloropropane	2500	2770		ug/Kg		111	67 - 130
1,3,5-Trimethylbenzene	2500	2490		ug/Kg		100	70 - 123
1,3-Dichlorobenzene	2500	2430		ug/Kg		97	70 - 125
1,3-Dichloropropane	2500	2490		ug/Kg		100	62 - 136
1,4-Dichlorobenzene	2500	2410		ug/Kg		97	70 - 120
2,2-Dichloropropane	2500	2630		ug/Kg		105	58 - 139
2-Chlorotoluene	2500	2470		ug/Kg		99	70 - 125
4-Chlorotoluene	2500	2490		ug/Kg		100	68 - 124
Benzene	2500	2360		ug/Kg		95	70 - 120

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-572706/22-A
Matrix: Solid
Analysis Batch: 573712

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 572706

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	2500	2460		ug/Kg		98	70 - 122
Bromochloromethane	2500	2390		ug/Kg		96	65 - 122
Bromodichloromethane	2500	2440		ug/Kg		98	69 - 120
Bromoform	2500	2450		ug/Kg		98	56 - 132
Bromomethane	2500	1810		ug/Kg		73	40 - 152
Carbon tetrachloride	2500	2380		ug/Kg		95	59 - 133
Chlorobenzene	2500	2540		ug/Kg		102	70 - 120
Chloroethane	2500	3260		ug/Kg		131	48 - 136
Chloroform	2500	2380		ug/Kg		95	70 - 120
Chloromethane	2500	2290		ug/Kg		92	56 - 152
cis-1,2-Dichloroethene	2500	2280		ug/Kg		91	70 - 125
cis-1,3-Dichloropropene	2500	2490		ug/Kg		100	64 - 127
Dibromochloromethane	2500	2480		ug/Kg		99	68 - 125
Dibromomethane	2500	2430		ug/Kg		97	70 - 120
Dichlorodifluoromethane	2500	1670		ug/Kg		67	40 - 159
Ethylbenzene	2500	2450		ug/Kg		98	70 - 123
Hexachlorobutadiene	2500	2250		ug/Kg		90	51 - 150
Isopropylbenzene	2500	2540		ug/Kg		101	70 - 126
Methyl tert-butyl ether	2500	2390		ug/Kg		95	55 - 123
Methylene Chloride	2500	2360		ug/Kg		94	69 - 125
Naphthalene	2500	2280		ug/Kg		91	53 - 144
n-Butylbenzene	2500	2420		ug/Kg		97	68 - 125
N-Propylbenzene	2500	2530		ug/Kg		101	69 - 127
p-Isopropyltoluene	2500	2550		ug/Kg		102	70 - 125
sec-Butylbenzene	2500	2530		ug/Kg		101	70 - 123
Styrene	2500	2590		ug/Kg		104	70 - 120
tert-Butylbenzene	2500	2550		ug/Kg		102	70 - 121
Tetrachloroethene	2500	2420		ug/Kg		97	70 - 128
Toluene	2500	2540		ug/Kg		102	70 - 125
trans-1,2-Dichloroethene	2500	2260		ug/Kg		90	70 - 125
trans-1,3-Dichloropropene	2500	2490		ug/Kg		100	62 - 128
Trichloroethene	2500	2550		ug/Kg		102	70 - 125
Trichlorofluoromethane	2500	2130		ug/Kg		85	55 - 128
Vinyl chloride	2500	2210		ug/Kg		89	64 - 126
Xylenes, Total	5000	4610		ug/Kg		92	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	111		75 - 126
4-Bromofluorobenzene (Surr)	108		72 - 124
Dibromofluoromethane (Surr)	101		75 - 120
Toluene-d8 (Surr)	107		75 - 120

Lab Sample ID: LB3 500-572707/16-A
Matrix: Solid
Analysis Batch: 573970

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 572707

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		11/17/20 20:30	11/25/20 10:56	50

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB3 500-572707/16-A
Matrix: Solid
Analysis Batch: 573970

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 572707

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	<19		50	19	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
1,1,1,2-Tetrachloroethane	<20		50	20	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
1,1-Dichloroethane	<21		50	21	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
1,1-Dichloroethene	<20		50	20	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
1,1-Dichloropropene	<15		50	15	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
1,2-Dibromoethane	<19		50	19	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
1,2-Dichloroethane	<20		50	20	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
1,2-Dichloropropane	<21		50	21	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
1,3-Dichloropropane	<18		50	18	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
2,2-Dichloropropane	<22		50	22	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
2-Chlorotoluene	<16		50	16	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
4-Chlorotoluene	<18		50	18	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Benzene	<7.3		13	7.3	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Bromobenzene	<18		50	18	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Bromochloromethane	<21		50	21	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Bromodichloromethane	<19		50	19	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Bromoform	<24		50	24	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Bromomethane	<40		150	40	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Carbon tetrachloride	<19		50	19	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Chlorobenzene	<19		50	19	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Chloroethane	<25		50	25	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Chloroform	<19		100	19	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Chloromethane	<16		50	16	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Dibromochloromethane	<24		50	24	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Dibromomethane	<14		50	14	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Hexachlorobutadiene	<22		50	22	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Isopropyl ether	<14		50	14	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Isopropylbenzene	<19		50	19	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Methylene Chloride	<82		250	82	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Naphthalene	<17		50	17	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
n-Butylbenzene	<19		50	19	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
N-Propylbenzene	<21		50	21	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
p-Isopropyltoluene	<18		50	18	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
sec-Butylbenzene	<20		50	20	ug/Kg		11/17/20 20:30	11/25/20 10:56	50

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QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB3 500-572707/16-A
Matrix: Solid
Analysis Batch: 573970

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 572707

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Styrene	<19		50	19	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
tert-Butylbenzene	<20		50	20	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Tetrachloroethene	<19		50	19	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Toluene	<7.4		13	7.4	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Trichloroethene	<8.2		25	8.2	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Trichlorofluoromethane	<21		50	21	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Vinyl chloride	<13		50	13	ug/Kg		11/17/20 20:30	11/25/20 10:56	50
Xylenes, Total	<11		25	11	ug/Kg		11/17/20 20:30	11/25/20 10:56	50

Surrogate	LB3	LB3	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	119		75 - 126	11/17/20 20:30	11/25/20 10:56	50
4-Bromofluorobenzene (Surr)	105		72 - 124	11/17/20 20:30	11/25/20 10:56	50
Dibromofluoromethane (Surr)	103		75 - 120	11/17/20 20:30	11/25/20 10:56	50
Toluene-d8 (Surr)	103		75 - 120	11/17/20 20:30	11/25/20 10:56	50

Lab Sample ID: LCS 500-572707/17-A
Matrix: Solid
Analysis Batch: 573970

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 572707

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
1,1,1,2-Tetrachloroethane	2500	2360		ug/Kg		94	70 - 125
1,1,1-Trichloroethane	2500	2380		ug/Kg		95	70 - 125
1,1,2,2-Tetrachloroethane	2500	2410		ug/Kg		96	62 - 140
1,1,2-Trichloroethane	2500	2590		ug/Kg		103	71 - 130
1,1-Dichloroethane	2500	2420		ug/Kg		97	70 - 125
1,1-Dichloroethene	2500	2040		ug/Kg		82	67 - 122
1,1-Dichloropropene	2500	2440		ug/Kg		98	70 - 121
1,2,3-Trichlorobenzene	2500	2170		ug/Kg		87	51 - 145
1,2,3-Trichloropropane	2500	2720		ug/Kg		109	50 - 133
1,2,4-Trichlorobenzene	2500	2130		ug/Kg		85	57 - 137
1,2,4-Trimethylbenzene	2500	2420		ug/Kg		97	70 - 123
1,2-Dibromo-3-Chloropropane	2500	2620		ug/Kg		105	56 - 123
1,2-Dibromoethane	2500	2530		ug/Kg		101	70 - 125
1,2-Dichlorobenzene	2500	2280		ug/Kg		91	70 - 125
1,2-Dichloroethane	2500	2750		ug/Kg		110	68 - 127
1,2-Dichloropropane	2500	2700		ug/Kg		108	67 - 130
1,3,5-Trimethylbenzene	2500	2410		ug/Kg		96	70 - 123
1,3-Dichlorobenzene	2500	2420		ug/Kg		97	70 - 125
1,3-Dichloropropane	2500	2570		ug/Kg		103	62 - 136
1,4-Dichlorobenzene	2500	2410		ug/Kg		96	70 - 120
2,2-Dichloropropane	2500	2600		ug/Kg		104	58 - 139
2-Chlorotoluene	2500	2380		ug/Kg		95	70 - 125
4-Chlorotoluene	2500	2450		ug/Kg		98	68 - 124
Benzene	2500	2300		ug/Kg		92	70 - 120
Bromobenzene	2500	2350		ug/Kg		94	70 - 122
Bromochloromethane	2500	2330		ug/Kg		93	65 - 122

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-572707/17-A
Matrix: Solid
Analysis Batch: 573970

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 572707

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	2500	2420		ug/Kg		97	69 - 120
Bromoform	2500	2420		ug/Kg		97	56 - 132
Bromomethane	2500	1590		ug/Kg		64	40 - 152
Carbon tetrachloride	2500	2330		ug/Kg		93	59 - 133
Chlorobenzene	2500	2510		ug/Kg		100	70 - 120
Chloroethane	2500	2880		ug/Kg		115	48 - 136
Chloroform	2500	2270		ug/Kg		91	70 - 120
Chloromethane	2500	2170		ug/Kg		87	56 - 152
cis-1,2-Dichloroethene	2500	2170		ug/Kg		87	70 - 125
cis-1,3-Dichloropropene	2500	2480		ug/Kg		99	64 - 127
Dibromochloromethane	2500	2480		ug/Kg		99	68 - 125
Dibromomethane	2500	2470		ug/Kg		99	70 - 120
Dichlorodifluoromethane	2500	1650		ug/Kg		66	40 - 159
Ethylbenzene	2500	2400		ug/Kg		96	70 - 123
Hexachlorobutadiene	2500	2220		ug/Kg		89	51 - 150
Isopropylbenzene	2500	2410		ug/Kg		96	70 - 126
Methyl tert-butyl ether	2500	2320		ug/Kg		93	55 - 123
Methylene Chloride	2500	2190		ug/Kg		88	69 - 125
Naphthalene	2500	2250		ug/Kg		90	53 - 144
n-Butylbenzene	2500	2470		ug/Kg		99	68 - 125
N-Propylbenzene	2500	2470		ug/Kg		99	69 - 127
p-Isopropyltoluene	2500	2510		ug/Kg		101	70 - 125
sec-Butylbenzene	2500	2460		ug/Kg		98	70 - 123
Styrene	2500	2590		ug/Kg		103	70 - 120
tert-Butylbenzene	2500	2450		ug/Kg		98	70 - 121
Tetrachloroethene	2500	2500		ug/Kg		100	70 - 128
Toluene	2500	2520		ug/Kg		101	70 - 125
trans-1,2-Dichloroethene	2500	2160		ug/Kg		86	70 - 125
trans-1,3-Dichloropropene	2500	2510		ug/Kg		100	62 - 128
Trichloroethene	2500	2510		ug/Kg		101	70 - 125
Trichlorofluoromethane	2500	2090		ug/Kg		84	55 - 128
Vinyl chloride	2500	2110		ug/Kg		84	64 - 126
Xylenes, Total	5000	4560		ug/Kg		91	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	112		75 - 126
4-Bromofluorobenzene (Surr)	103		72 - 124
Dibromofluoromethane (Surr)	98		75 - 120
Toluene-d8 (Surr)	106		75 - 120

Lab Sample ID: MB 500-573712/6
Matrix: Solid
Analysis Batch: 573712

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			11/24/20 11:30	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			11/24/20 11:30	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			11/24/20 11:30	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-573712/6

Matrix: Solid

Analysis Batch: 573712

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			11/24/20 11:30	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			11/24/20 11:30	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			11/24/20 11:30	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			11/24/20 11:30	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			11/24/20 11:30	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			11/24/20 11:30	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			11/24/20 11:30	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			11/24/20 11:30	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			11/24/20 11:30	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/Kg			11/24/20 11:30	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			11/24/20 11:30	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			11/24/20 11:30	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			11/24/20 11:30	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			11/24/20 11:30	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			11/24/20 11:30	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			11/24/20 11:30	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			11/24/20 11:30	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/Kg			11/24/20 11:30	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			11/24/20 11:30	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			11/24/20 11:30	1
Benzene	<0.15		0.25	0.15	ug/Kg			11/24/20 11:30	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			11/24/20 11:30	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			11/24/20 11:30	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			11/24/20 11:30	1
Bromoform	<0.48		1.0	0.48	ug/Kg			11/24/20 11:30	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			11/24/20 11:30	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			11/24/20 11:30	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			11/24/20 11:30	1
Chloroethane	<0.50		1.0	0.50	ug/Kg			11/24/20 11:30	1
Chloroform	<0.37		2.0	0.37	ug/Kg			11/24/20 11:30	1
Chloromethane	<0.32		1.0	0.32	ug/Kg			11/24/20 11:30	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			11/24/20 11:30	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			11/24/20 11:30	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			11/24/20 11:30	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			11/24/20 11:30	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			11/24/20 11:30	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			11/24/20 11:30	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			11/24/20 11:30	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			11/24/20 11:30	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			11/24/20 11:30	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			11/24/20 11:30	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			11/24/20 11:30	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			11/24/20 11:30	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			11/24/20 11:30	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			11/24/20 11:30	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			11/24/20 11:30	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			11/24/20 11:30	1
Styrene	<0.39		1.0	0.39	ug/Kg			11/24/20 11:30	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			11/24/20 11:30	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-573712/6
Matrix: Solid
Analysis Batch: 573712

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			11/24/20 11:30	1
Toluene	<0.15		0.25	0.15	ug/Kg			11/24/20 11:30	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			11/24/20 11:30	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			11/24/20 11:30	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			11/24/20 11:30	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			11/24/20 11:30	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			11/24/20 11:30	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			11/24/20 11:30	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	111		75 - 126		11/24/20 11:30	1
4-Bromofluorobenzene (Surr)	106		72 - 124		11/24/20 11:30	1
Dibromofluoromethane (Surr)	103		75 - 120		11/24/20 11:30	1
Toluene-d8 (Surr)	103		75 - 120		11/24/20 11:30	1

Lab Sample ID: LCS 500-573712/4
Matrix: Solid
Analysis Batch: 573712

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	45.5		ug/Kg		91	70 - 125
1,1,2,2-Tetrachloroethane	50.0	45.1		ug/Kg		90	62 - 140
1,1,2-Trichloroethane	50.0	47.4		ug/Kg		95	71 - 130
1,1-Dichloroethane	50.0	46.7		ug/Kg		93	70 - 125
1,1-Dichloroethene	50.0	42.5		ug/Kg		85	67 - 122
1,1-Dichloropropene	50.0	46.7		ug/Kg		93	70 - 121
1,2,3-Trichlorobenzene	50.0	41.8		ug/Kg		84	51 - 145
1,2,3-Trichloropropane	50.0	51.0		ug/Kg		102	50 - 133
1,2,4-Trichlorobenzene	50.0	41.9		ug/Kg		84	57 - 137
1,2,4-Trimethylbenzene	50.0	46.1		ug/Kg		92	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	47.3		ug/Kg		95	56 - 123
1,2-Dibromoethane	50.0	46.5		ug/Kg		93	70 - 125
1,2-Dichlorobenzene	50.0	43.2		ug/Kg		86	70 - 125
1,2-Dichloroethane	50.0	49.1		ug/Kg		98	68 - 127
1,2-Dichloropropane	50.0	50.6		ug/Kg		101	67 - 130
1,3,5-Trimethylbenzene	50.0	46.6		ug/Kg		93	70 - 123
1,3-Dichlorobenzene	50.0	46.0		ug/Kg		92	70 - 125
1,3-Dichloropropane	50.0	47.4		ug/Kg		95	62 - 136
1,4-Dichlorobenzene	50.0	45.6		ug/Kg		91	70 - 120
2,2-Dichloropropane	50.0	50.7		ug/Kg		101	58 - 139
2-Chlorotoluene	50.0	46.3		ug/Kg		93	70 - 125
4-Chlorotoluene	50.0	46.7		ug/Kg		93	68 - 124
Benzene	50.0	44.4		ug/Kg		89	70 - 120
Bromobenzene	50.0	45.4		ug/Kg		91	70 - 122
Bromochloromethane	50.0	44.8		ug/Kg		90	65 - 122
Bromodichloromethane	50.0	45.2		ug/Kg		90	69 - 120
Bromoform	50.0	45.3		ug/Kg		91	56 - 132

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-573712/4
Matrix: Solid
Analysis Batch: 573712

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	50.0	38.2		ug/Kg		76	40 - 152
Carbon tetrachloride	50.0	44.3		ug/Kg		89	59 - 133
Chlorobenzene	50.0	47.5		ug/Kg		95	70 - 120
Chloroethane	50.0	66.6		ug/Kg		133	48 - 136
Chloroform	50.0	43.7		ug/Kg		87	70 - 120
Chloromethane	50.0	54.4		ug/Kg		109	56 - 152
cis-1,2-Dichloroethene	50.0	43.3		ug/Kg		87	70 - 125
cis-1,3-Dichloropropene	50.0	47.1		ug/Kg		94	64 - 127
Dibromochloromethane	50.0	45.5		ug/Kg		91	68 - 125
Dibromomethane	50.0	46.0		ug/Kg		92	70 - 120
Dichlorodifluoromethane	50.0	58.2		ug/Kg		116	40 - 159
Ethylbenzene	50.0	46.3		ug/Kg		93	70 - 123
Hexachlorobutadiene	50.0	43.0		ug/Kg		86	51 - 150
Isopropylbenzene	50.0	47.6		ug/Kg		95	70 - 126
Methyl tert-butyl ether	50.0	44.4		ug/Kg		89	55 - 123
Methylene Chloride	50.0	43.5		ug/Kg		87	69 - 125
Naphthalene	50.0	43.1		ug/Kg		86	53 - 144
n-Butylbenzene	50.0	47.1		ug/Kg		94	68 - 125
N-Propylbenzene	50.0	48.0		ug/Kg		96	69 - 127
p-Isopropyltoluene	50.0	48.1		ug/Kg		96	70 - 125
sec-Butylbenzene	50.0	47.3		ug/Kg		95	70 - 123
Styrene	50.0	48.9		ug/Kg		98	70 - 120
tert-Butylbenzene	50.0	47.3		ug/Kg		95	70 - 121
Tetrachloroethene	50.0	47.6		ug/Kg		95	70 - 128
Toluene	50.0	47.7		ug/Kg		95	70 - 125
trans-1,2-Dichloroethene	50.0	43.7		ug/Kg		87	70 - 125
trans-1,3-Dichloropropene	50.0	47.5		ug/Kg		95	62 - 128
Trichloroethene	50.0	48.5		ug/Kg		97	70 - 125
Trichlorofluoromethane	50.0	43.2		ug/Kg		86	55 - 128
Vinyl chloride	50.0	50.9		ug/Kg		102	64 - 126
Xylenes, Total	100	87.1		ug/Kg		87	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		75 - 126
4-Bromofluorobenzene (Surr)	106		72 - 124
Dibromofluoromethane (Surr)	99		75 - 120
Toluene-d8 (Surr)	106		75 - 120

Lab Sample ID: MB 500-573806/6
Matrix: Solid
Analysis Batch: 573806

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			11/24/20 22:21	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			11/24/20 22:21	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			11/24/20 22:21	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			11/24/20 22:21	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			11/24/20 22:21	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-573806/6
Matrix: Solid
Analysis Batch: 573806

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			11/24/20 22:21	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			11/24/20 22:21	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			11/24/20 22:21	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			11/24/20 22:21	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			11/24/20 22:21	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			11/24/20 22:21	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			11/24/20 22:21	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/Kg			11/24/20 22:21	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			11/24/20 22:21	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			11/24/20 22:21	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			11/24/20 22:21	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			11/24/20 22:21	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			11/24/20 22:21	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			11/24/20 22:21	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			11/24/20 22:21	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/Kg			11/24/20 22:21	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			11/24/20 22:21	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			11/24/20 22:21	1
Benzene	<0.15		0.25	0.15	ug/Kg			11/24/20 22:21	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			11/24/20 22:21	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			11/24/20 22:21	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			11/24/20 22:21	1
Bromoform	<0.48		1.0	0.48	ug/Kg			11/24/20 22:21	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			11/24/20 22:21	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			11/24/20 22:21	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			11/24/20 22:21	1
Chloroethane	<0.50		1.0	0.50	ug/Kg			11/24/20 22:21	1
Chloroform	<0.37		2.0	0.37	ug/Kg			11/24/20 22:21	1
Chloromethane	<0.32		1.0	0.32	ug/Kg			11/24/20 22:21	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			11/24/20 22:21	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			11/24/20 22:21	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			11/24/20 22:21	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			11/24/20 22:21	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			11/24/20 22:21	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			11/24/20 22:21	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			11/24/20 22:21	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			11/24/20 22:21	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			11/24/20 22:21	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			11/24/20 22:21	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			11/24/20 22:21	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			11/24/20 22:21	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			11/24/20 22:21	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			11/24/20 22:21	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			11/24/20 22:21	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			11/24/20 22:21	1
Styrene	<0.39		1.0	0.39	ug/Kg			11/24/20 22:21	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			11/24/20 22:21	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			11/24/20 22:21	1
Toluene	<0.15		0.25	0.15	ug/Kg			11/24/20 22:21	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-573806/6
Matrix: Solid
Analysis Batch: 573806

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			11/24/20 22:21	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			11/24/20 22:21	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			11/24/20 22:21	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			11/24/20 22:21	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			11/24/20 22:21	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			11/24/20 22:21	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	114		75 - 126		11/24/20 22:21	1
4-Bromofluorobenzene (Surr)	108		72 - 124		11/24/20 22:21	1
Dibromofluoromethane (Surr)	102		75 - 120		11/24/20 22:21	1
Toluene-d8 (Surr)	102		75 - 120		11/24/20 22:21	1

Lab Sample ID: LCS 500-573806/4
Matrix: Solid
Analysis Batch: 573806

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,1,2-Tetrachloroethane	50.0	50.0		ug/Kg		100	70 - 125
1,1,1-Trichloroethane	50.0	51.8		ug/Kg		104	70 - 125
1,1,1,2,2-Tetrachloroethane	50.0	50.1		ug/Kg		100	62 - 140
1,1,2-Trichloroethane	50.0	52.6		ug/Kg		105	71 - 130
1,1-Dichloroethane	50.0	53.8		ug/Kg		108	70 - 125
1,1-Dichloroethene	50.0	48.0		ug/Kg		96	67 - 122
1,1-Dichloropropene	50.0	53.1		ug/Kg		106	70 - 121
1,2,3-Trichlorobenzene	50.0	45.3		ug/Kg		91	51 - 145
1,2,3-Trichloropropane	50.0	56.2		ug/Kg		112	50 - 133
1,2,4-Trichlorobenzene	50.0	44.5		ug/Kg		89	57 - 137
1,2,4-Trimethylbenzene	50.0	52.2		ug/Kg		104	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	50.9		ug/Kg		102	56 - 123
1,2-Dibromoethane	50.0	50.7		ug/Kg		101	70 - 125
1,2-Dichlorobenzene	50.0	48.7		ug/Kg		97	70 - 125
1,2-Dichloroethane	50.0	56.9		ug/Kg		114	68 - 127
1,2-Dichloropropane	50.0	58.0		ug/Kg		116	67 - 130
1,3,5-Trimethylbenzene	50.0	52.8		ug/Kg		106	70 - 123
1,3-Dichlorobenzene	50.0	51.3		ug/Kg		103	70 - 125
1,3-Dichloropropane	50.0	52.0		ug/Kg		104	62 - 136
1,4-Dichlorobenzene	50.0	50.9		ug/Kg		102	70 - 120
2,2-Dichloropropane	50.0	56.8		ug/Kg		114	58 - 139
2-Chlorotoluene	50.0	52.4		ug/Kg		105	70 - 125
4-Chlorotoluene	50.0	52.4		ug/Kg		105	68 - 124
Benzene	50.0	50.4		ug/Kg		101	70 - 120
Bromobenzene	50.0	52.2		ug/Kg		104	70 - 122
Bromochloromethane	50.0	50.9		ug/Kg		102	65 - 122
Bromodichloromethane	50.0	51.5		ug/Kg		103	69 - 120
Bromoform	50.0	49.5		ug/Kg		99	56 - 132
Bromomethane	50.0	43.6		ug/Kg		87	40 - 152
Carbon tetrachloride	50.0	51.3		ug/Kg		103	59 - 133

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-573806/4
Matrix: Solid
Analysis Batch: 573806

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	50.0	53.1		ug/Kg		106	70 - 120
Chloroethane	50.0	77.0	*	ug/Kg		154	48 - 136
Chloroform	50.0	50.1		ug/Kg		100	70 - 120
Chloromethane	50.0	64.1		ug/Kg		128	56 - 152
cis-1,2-Dichloroethene	50.0	49.3		ug/Kg		99	70 - 125
cis-1,3-Dichloropropene	50.0	49.4		ug/Kg		99	64 - 127
Dibromochloromethane	50.0	50.6		ug/Kg		101	68 - 125
Dibromomethane	50.0	50.9		ug/Kg		102	70 - 120
Dichlorodifluoromethane	50.0	63.2		ug/Kg		126	40 - 159
Ethylbenzene	50.0	51.6		ug/Kg		103	70 - 123
Hexachlorobutadiene	50.0	47.0		ug/Kg		94	51 - 150
Isopropylbenzene	50.0	54.0		ug/Kg		108	70 - 126
Methyl tert-butyl ether	50.0	49.6		ug/Kg		99	55 - 123
Methylene Chloride	50.0	49.2		ug/Kg		98	69 - 125
Naphthalene	50.0	47.0		ug/Kg		94	53 - 144
n-Butylbenzene	50.0	51.3		ug/Kg		103	68 - 125
N-Propylbenzene	50.0	53.8		ug/Kg		108	69 - 127
p-Isopropyltoluene	50.0	54.0		ug/Kg		108	70 - 125
sec-Butylbenzene	50.0	53.3		ug/Kg		107	70 - 123
Styrene	50.0	54.2		ug/Kg		108	70 - 120
tert-Butylbenzene	50.0	54.3		ug/Kg		109	70 - 121
Tetrachloroethene	50.0	52.1		ug/Kg		104	70 - 128
Toluene	50.0	53.4		ug/Kg		107	70 - 125
trans-1,2-Dichloroethene	50.0	48.9		ug/Kg		98	70 - 125
trans-1,3-Dichloropropene	50.0	52.0		ug/Kg		104	62 - 128
Trichloroethene	50.0	55.9		ug/Kg		112	70 - 125
Trichlorofluoromethane	50.0	49.2		ug/Kg		98	55 - 128
Vinyl chloride	50.0	56.2		ug/Kg		112	64 - 126
Xylenes, Total	100	96.9		ug/Kg		97	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		75 - 126
4-Bromofluorobenzene (Surr)	108		72 - 124
Dibromofluoromethane (Surr)	100		75 - 120
Toluene-d8 (Surr)	105		75 - 120

Lab Sample ID: MB 500-573970/6
Matrix: Solid
Analysis Batch: 573970

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			11/25/20 10:29	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			11/25/20 10:29	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			11/25/20 10:29	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			11/25/20 10:29	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			11/25/20 10:29	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			11/25/20 10:29	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			11/25/20 10:29	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-573970/6

Matrix: Solid

Analysis Batch: 573970

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			11/25/20 10:29	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			11/25/20 10:29	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			11/25/20 10:29	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			11/25/20 10:29	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			11/25/20 10:29	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/Kg			11/25/20 10:29	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			11/25/20 10:29	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			11/25/20 10:29	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			11/25/20 10:29	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			11/25/20 10:29	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			11/25/20 10:29	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			11/25/20 10:29	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			11/25/20 10:29	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/Kg			11/25/20 10:29	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			11/25/20 10:29	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			11/25/20 10:29	1
Benzene	<0.15		0.25	0.15	ug/Kg			11/25/20 10:29	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			11/25/20 10:29	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			11/25/20 10:29	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			11/25/20 10:29	1
Bromoform	<0.48		1.0	0.48	ug/Kg			11/25/20 10:29	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			11/25/20 10:29	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			11/25/20 10:29	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			11/25/20 10:29	1
Chloroethane	<0.50		1.0	0.50	ug/Kg			11/25/20 10:29	1
Chloroform	<0.37		2.0	0.37	ug/Kg			11/25/20 10:29	1
Chloromethane	<0.32		1.0	0.32	ug/Kg			11/25/20 10:29	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			11/25/20 10:29	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			11/25/20 10:29	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			11/25/20 10:29	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			11/25/20 10:29	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			11/25/20 10:29	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			11/25/20 10:29	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			11/25/20 10:29	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			11/25/20 10:29	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			11/25/20 10:29	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			11/25/20 10:29	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			11/25/20 10:29	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			11/25/20 10:29	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			11/25/20 10:29	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			11/25/20 10:29	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			11/25/20 10:29	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			11/25/20 10:29	1
Styrene	<0.39		1.0	0.39	ug/Kg			11/25/20 10:29	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			11/25/20 10:29	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			11/25/20 10:29	1
Toluene	<0.15		0.25	0.15	ug/Kg			11/25/20 10:29	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			11/25/20 10:29	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			11/25/20 10:29	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-573970/6
Matrix: Solid
Analysis Batch: 573970

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<0.16		0.50	0.16	ug/Kg			11/25/20 10:29	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			11/25/20 10:29	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			11/25/20 10:29	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			11/25/20 10:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		75 - 126		11/25/20 10:29	1
4-Bromofluorobenzene (Surr)	104		72 - 124		11/25/20 10:29	1
Dibromofluoromethane (Surr)	106		75 - 120		11/25/20 10:29	1
Toluene-d8 (Surr)	102		75 - 120		11/25/20 10:29	1

Lab Sample ID: LCS 500-573970/4
Matrix: Solid
Analysis Batch: 573970

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	42.7		ug/Kg		85	70 - 125
1,1,1-Trichloroethane	50.0	43.8		ug/Kg		88	70 - 125
1,1,1,2,2-Tetrachloroethane	50.0	43.7		ug/Kg		87	62 - 140
1,1,2-Trichloroethane	50.0	46.5		ug/Kg		93	71 - 130
1,1-Dichloroethane	50.0	44.4		ug/Kg		89	70 - 125
1,1-Dichloroethene	50.0	39.6		ug/Kg		79	67 - 122
1,1-Dichloropropene	50.0	44.2		ug/Kg		88	70 - 121
1,2,3-Trichlorobenzene	50.0	39.3		ug/Kg		79	51 - 145
1,2,3-Trichloropropane	50.0	50.4		ug/Kg		101	50 - 133
1,2,4-Trichlorobenzene	50.0	38.5		ug/Kg		77	57 - 137
1,2,4-Trimethylbenzene	50.0	43.5		ug/Kg		87	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	47.5		ug/Kg		95	56 - 123
1,2-Dibromoethane	50.0	45.2		ug/Kg		90	70 - 125
1,2-Dichlorobenzene	50.0	41.6		ug/Kg		83	70 - 125
1,2-Dichloroethane	50.0	48.7		ug/Kg		97	68 - 127
1,2-Dichloropropane	50.0	48.9		ug/Kg		98	67 - 130
1,3,5-Trimethylbenzene	50.0	43.4		ug/Kg		87	70 - 123
1,3-Dichlorobenzene	50.0	43.4		ug/Kg		87	70 - 125
1,3-Dichloropropane	50.0	45.9		ug/Kg		92	62 - 136
1,4-Dichlorobenzene	50.0	42.7		ug/Kg		85	70 - 120
2,2-Dichloropropane	50.0	47.6		ug/Kg		95	58 - 139
2-Chlorotoluene	50.0	43.0		ug/Kg		86	70 - 125
4-Chlorotoluene	50.0	44.0		ug/Kg		88	68 - 124
Benzene	50.0	41.6		ug/Kg		83	70 - 120
Bromobenzene	50.0	42.5		ug/Kg		85	70 - 122
Bromochloromethane	50.0	43.2		ug/Kg		86	65 - 122
Bromodichloromethane	50.0	43.6		ug/Kg		87	69 - 120
Bromoform	50.0	45.3		ug/Kg		91	56 - 132
Bromomethane	50.0	37.0		ug/Kg		74	40 - 152
Carbon tetrachloride	50.0	42.7		ug/Kg		85	59 - 133
Chlorobenzene	50.0	45.2		ug/Kg		90	70 - 120
Chloroethane	50.0	66.7		ug/Kg		133	48 - 136

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-573970/4
Matrix: Solid
Analysis Batch: 573970

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	50.0	41.4		ug/Kg		83	70 - 120
Chloromethane	50.0	54.3		ug/Kg		109	56 - 152
cis-1,2-Dichloroethene	50.0	40.3		ug/Kg		81	70 - 125
cis-1,3-Dichloropropene	50.0	45.2		ug/Kg		90	64 - 127
Dibromochloromethane	50.0	44.4		ug/Kg		89	68 - 125
Dibromomethane	50.0	44.3		ug/Kg		89	70 - 120
Dichlorodifluoromethane	50.0	50.9		ug/Kg		102	40 - 159
Ethylbenzene	50.0	43.2		ug/Kg		86	70 - 123
Hexachlorobutadiene	50.0	40.3		ug/Kg		81	51 - 150
Isopropylbenzene	50.0	43.3		ug/Kg		87	70 - 126
Methyl tert-butyl ether	50.0	42.5		ug/Kg		85	55 - 123
Methylene Chloride	50.0	40.7		ug/Kg		81	69 - 125
Naphthalene	50.0	41.0		ug/Kg		82	53 - 144
n-Butylbenzene	50.0	44.5		ug/Kg		89	68 - 125
N-Propylbenzene	50.0	44.3		ug/Kg		89	69 - 127
p-Isopropyltoluene	50.0	45.0		ug/Kg		90	70 - 125
sec-Butylbenzene	50.0	44.1		ug/Kg		88	70 - 123
Styrene	50.0	45.8		ug/Kg		92	70 - 120
tert-Butylbenzene	50.0	44.1		ug/Kg		88	70 - 121
Tetrachloroethene	50.0	45.1		ug/Kg		90	70 - 128
Toluene	50.0	45.1		ug/Kg		90	70 - 125
trans-1,2-Dichloroethene	50.0	41.0		ug/Kg		82	70 - 125
trans-1,3-Dichloropropene	50.0	46.1		ug/Kg		92	62 - 128
Trichloroethene	50.0	46.3		ug/Kg		93	70 - 125
Trichlorofluoromethane	50.0	42.9		ug/Kg		86	55 - 128
Vinyl chloride	50.0	48.9		ug/Kg		98	64 - 126
Xylenes, Total	100	80.9		ug/Kg		81	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	114		75 - 126
4-Bromofluorobenzene (Surr)	103		72 - 124
Dibromofluoromethane (Surr)	101		75 - 120
Toluene-d8 (Surr)	106		75 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-573445/1-A
Matrix: Solid
Analysis Batch: 573562

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 573445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.1		67	8.1	ug/Kg		11/21/20 14:30	11/23/20 11:36	1
2-Methylnaphthalene	<6.1		67	6.1	ug/Kg		11/21/20 14:30	11/23/20 11:36	1
Acenaphthene	<6.0		33	6.0	ug/Kg		11/21/20 14:30	11/23/20 11:36	1
Acenaphthylene	<4.4		33	4.4	ug/Kg		11/21/20 14:30	11/23/20 11:36	1
Anthracene	<5.6		33	5.6	ug/Kg		11/21/20 14:30	11/23/20 11:36	1
Benzo[a]anthracene	<4.5		33	4.5	ug/Kg		11/21/20 14:30	11/23/20 11:36	1
Benzo[a]pyrene	<6.4		33	6.4	ug/Kg		11/21/20 14:30	11/23/20 11:36	1
Benzo[b]fluoranthene	<7.2		33	7.2	ug/Kg		11/21/20 14:30	11/23/20 11:36	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-573445/1-A
Matrix: Solid
Analysis Batch: 573562

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 573445

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzo[g,h,i]perylene	<11		33	11	ug/Kg		11/21/20 14:30	11/23/20 11:36	1
Benzo[k]fluoranthene	<9.8		33	9.8	ug/Kg		11/21/20 14:30	11/23/20 11:36	1
Chrysene	<9.1		33	9.1	ug/Kg		11/21/20 14:30	11/23/20 11:36	1
Dibenz(a,h)anthracene	<6.4		33	6.4	ug/Kg		11/21/20 14:30	11/23/20 11:36	1
Fluoranthene	<6.2		33	6.2	ug/Kg		11/21/20 14:30	11/23/20 11:36	1
Fluorene	<4.7		33	4.7	ug/Kg		11/21/20 14:30	11/23/20 11:36	1
Indeno[1,2,3-cd]pyrene	<8.6		33	8.6	ug/Kg		11/21/20 14:30	11/23/20 11:36	1
Naphthalene	<5.1		33	5.1	ug/Kg		11/21/20 14:30	11/23/20 11:36	1
Phenanthrene	<4.6		33	4.6	ug/Kg		11/21/20 14:30	11/23/20 11:36	1
Pyrene	<6.6		33	6.6	ug/Kg		11/21/20 14:30	11/23/20 11:36	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	104		43 - 145	11/21/20 14:30	11/23/20 11:36	1
Nitrobenzene-d5 (Surr)	90		37 - 147	11/21/20 14:30	11/23/20 11:36	1
Terphenyl-d14 (Surr)	98		42 - 157	11/21/20 14:30	11/23/20 11:36	1

Lab Sample ID: LCS 500-573445/2-A
Matrix: Solid
Analysis Batch: 573562

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 573445

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
		Result	Qualifier					
1-Methylnaphthalene	1330	1200		ug/Kg		90	68 - 111	
2-Methylnaphthalene	1330	1260		ug/Kg		94	69 - 112	
Acenaphthene	1330	1310		ug/Kg		98	65 - 124	
Acenaphthylene	1330	1260		ug/Kg		95	68 - 120	
Anthracene	1330	1320		ug/Kg		99	70 - 114	
Benzo[a]anthracene	1330	1260		ug/Kg		94	67 - 122	
Benzo[a]pyrene	1330	1240		ug/Kg		93	65 - 133	
Benzo[b]fluoranthene	1330	1300		ug/Kg		98	69 - 129	
Benzo[g,h,i]perylene	1330	1190		ug/Kg		89	72 - 131	
Benzo[k]fluoranthene	1330	1300		ug/Kg		97	68 - 127	
Chrysene	1330	1290		ug/Kg		96	63 - 120	
Dibenz(a,h)anthracene	1330	1240		ug/Kg		93	64 - 131	
Fluoranthene	1330	1400		ug/Kg		105	62 - 120	
Fluorene	1330	1260		ug/Kg		94	62 - 120	
Indeno[1,2,3-cd]pyrene	1330	1270		ug/Kg		95	68 - 130	
Naphthalene	1330	1230		ug/Kg		92	63 - 110	
Phenanthrene	1330	1330		ug/Kg		99	62 - 120	
Pyrene	1330	1320		ug/Kg		99	61 - 128	

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	95		43 - 145
Nitrobenzene-d5 (Surr)	93		37 - 147
Terphenyl-d14 (Surr)	97		42 - 157

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-191132-1 MS

Matrix: Solid

Analysis Batch: 573562

Client Sample ID: HB-1 2-5ft

Prep Type: Total/NA

Prep Batch: 573445

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
1-Methylnaphthalene	<8.4		1380	1190		ug/Kg	*	86		68 - 111
2-Methylnaphthalene	<6.3		1380	1220		ug/Kg	*	89		69 - 112
Acenaphthene	<6.2		1380	1280		ug/Kg	*	92		65 - 124
Acenaphthylene	<4.5		1380	1250		ug/Kg	*	90		68 - 120
Anthracene	<5.8		1380	1240		ug/Kg	*	90		70 - 114
Benzo[a]anthracene	<4.6		1380	1260		ug/Kg	*	91		67 - 122
Benzo[a]pyrene	<6.7		1380	1220		ug/Kg	*	88		65 - 133
Benzo[b]fluoranthene	<7.4		1380	1280		ug/Kg	*	93		69 - 129
Benzo[g,h,i]perylene	<11	F1	1380	1050		ug/Kg	*	76		72 - 131
Benzo[k]fluoranthene	<10		1380	1340		ug/Kg	*	97		68 - 127
Chrysene	<9.4		1380	1280		ug/Kg	*	93		63 - 120
Dibenz(a,h)anthracene	<6.7		1380	1150		ug/Kg	*	83		64 - 131
Fluoranthene	<6.4		1380	1330		ug/Kg	*	96		62 - 120
Fluorene	<4.8		1380	1230		ug/Kg	*	89		62 - 120
Indeno[1,2,3-cd]pyrene	<8.9		1380	1150		ug/Kg	*	83		68 - 130
Naphthalene	<5.3		1380	1210		ug/Kg	*	88		63 - 110
Phenanthrene	<4.8		1380	1250		ug/Kg	*	90		62 - 120
Pyrene	<6.8		1380	1320		ug/Kg	*	96		61 - 128

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	95		43 - 145
Nitrobenzene-d5 (Surr)	92		37 - 147
Terphenyl-d14 (Surr)	100		42 - 157

Lab Sample ID: 500-191132-1 MSD

Matrix: Solid

Analysis Batch: 573562

Client Sample ID: HB-1 2-5ft

Prep Type: Total/NA

Prep Batch: 573445

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
1-Methylnaphthalene	<8.4		1370	1100		ug/Kg	*	81		68 - 111	8	30
2-Methylnaphthalene	<6.3		1370	1130		ug/Kg	*	83		69 - 112	8	30
Acenaphthene	<6.2		1370	1180		ug/Kg	*	87		65 - 124	7	30
Acenaphthylene	<4.5		1370	1170		ug/Kg	*	86		68 - 120	6	30
Anthracene	<5.8		1370	1150		ug/Kg	*	84		70 - 114	8	30
Benzo[a]anthracene	<4.6		1370	1180		ug/Kg	*	86		67 - 122	7	30
Benzo[a]pyrene	<6.7		1370	1150		ug/Kg	*	84		65 - 133	6	30
Benzo[b]fluoranthene	<7.4		1370	1200		ug/Kg	*	88		69 - 129	7	30
Benzo[g,h,i]perylene	<11	F1	1370	976	F1	ug/Kg	*	71		72 - 131	7	30
Benzo[k]fluoranthene	<10		1370	1230		ug/Kg	*	90		68 - 127	8	30
Chrysene	<9.4		1370	1190		ug/Kg	*	87		63 - 120	7	30
Dibenz(a,h)anthracene	<6.7		1370	1070		ug/Kg	*	79		64 - 131	7	30
Fluoranthene	<6.4		1370	1230		ug/Kg	*	90		62 - 120	7	30
Fluorene	<4.8		1370	1160		ug/Kg	*	85		62 - 120	6	30
Indeno[1,2,3-cd]pyrene	<8.9		1370	1070		ug/Kg	*	78		68 - 130	7	30
Naphthalene	<5.3		1370	1120		ug/Kg	*	82		63 - 110	8	30
Phenanthrene	<4.8		1370	1160		ug/Kg	*	85		62 - 120	7	30
Pyrene	<6.8		1370	1230		ug/Kg	*	90		61 - 128	7	30

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-191132-1 MSD

Matrix: Solid

Analysis Batch: 573562

Client Sample ID: HB-1 2-5ft

Prep Type: Total/NA

Prep Batch: 573445

Surrogate	MSD		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	89		43 - 145
Nitrobenzene-d5 (Surr)	85		37 - 147
Terphenyl-d14 (Surr)	93		42 - 157

Analyte _____ Added _____ Result _____ Qualifier _____ Unit _____ D _____ %Rec _____ Limits _____

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 500-573917/1-A
Matrix: Solid
Analysis Batch: 574084

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 573917

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.34		1.0	0.34	mg/Kg		11/24/20 18:13	11/25/20 09:58	1
Barium	<0.11		1.0	0.11	mg/Kg		11/24/20 18:13	11/25/20 09:58	1
Cadmium	0.0471	J	0.20	0.036	mg/Kg		11/24/20 18:13	11/25/20 09:58	1
Chromium	0.576	J	1.0	0.50	mg/Kg		11/24/20 18:13	11/25/20 09:58	1
Lead	<0.23		0.50	0.23	mg/Kg		11/24/20 18:13	11/25/20 09:58	1
Selenium	<0.59		1.0	0.59	mg/Kg		11/24/20 18:13	11/25/20 09:58	1
Silver	<0.13		0.50	0.13	mg/Kg		11/24/20 18:13	11/25/20 09:58	1

Lab Sample ID: LCS 500-573917/2-A
Matrix: Solid
Analysis Batch: 574084

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 573917

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	10.0	9.07		mg/Kg		91	80 - 120
Barium	200	188		mg/Kg		94	80 - 120
Cadmium	5.00	4.58		mg/Kg		92	80 - 120
Chromium	20.0	19.4		mg/Kg		97	80 - 120
Lead	10.0	9.53		mg/Kg		95	80 - 120
Selenium	10.0	8.81		mg/Kg		88	80 - 120
Silver	5.00	4.50		mg/Kg		90	80 - 120

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-573789/12-A
Matrix: Solid
Analysis Batch: 574072

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 573789

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0056		0.017	0.0056	mg/Kg		11/24/20 14:10	11/25/20 10:23	1

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 500-573789/13-A
Matrix: Solid
Analysis Batch: 574072

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 573789
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.167	0.149		mg/Kg		89	80 - 120

Lab Sample ID: 500-191132-6 MS
Matrix: Solid
Analysis Batch: 574072

Client Sample ID: TTU-4
Prep Type: Total/NA
Prep Batch: 573789
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	0.014	J	0.0861	0.115		mg/Kg	⊛	118	75 - 125

Lab Sample ID: 500-191132-6 MSD
Matrix: Solid
Analysis Batch: 574072

Client Sample ID: TTU-4
Prep Type: Total/NA
Prep Batch: 573789
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.014	J	0.0858	0.115		mg/Kg	⊛	118	75 - 125	1	20

Lab Sample ID: 500-191132-6 DU
Matrix: Solid
Analysis Batch: 574072

Client Sample ID: TTU-4
Prep Type: Total/NA
Prep Batch: 573789
%Rec.

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Mercury	0.014	J	0.0141	J	mg/Kg	⊛	4	20

Lab Sample ID: MB 500-574058/12-A
Matrix: Solid
Analysis Batch: 574191

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 574058

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0056		0.017	0.0056	mg/Kg		11/25/20 14:00	11/27/20 06:51	1

Lab Sample ID: LCS 500-574058/13-A
Matrix: Solid
Analysis Batch: 574191

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 574058
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.167	0.160		mg/Kg		96	80 - 120

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: HB-1 2-5ft

Lab Sample ID: 500-191132-1

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	518935	12/03/20 02:34	JZ	TAL DEN
Total/NA	Analysis	Moisture		1	572980	11/19/20 06:52	LWN	TAL CHI

Client Sample ID: HB-1 2-5ft

Lab Sample ID: 500-191132-1

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			572706	11/12/20 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573806	11/24/20 22:47	PMF	TAL CHI
Total/NA	Prep	3541			573445	11/21/20 14:30	JP1	TAL CHI
Total/NA	Analysis	8270D		1	573562	11/23/20 12:29	AJD	TAL CHI
Total/NA	Prep	6860			517528	11/20/20 12:02	NK	TAL DEN
Total/NA	Analysis	6860		1	518062	11/25/20 11:53	NK	TAL DEN
Total/NA	Prep	3050B			573917	11/24/20 18:13	BDE	TAL CHI
Total/NA	Analysis	6010C		1	574084	11/25/20 10:21	EEN	TAL CHI
Total/NA	Prep	7471B			573789	11/24/20 14:10	MJG	TAL CHI
Total/NA	Analysis	7471B		1	574072	11/25/20 10:26	MJG	TAL CHI

Client Sample ID: HB-2 2-5ft

Lab Sample ID: 500-191132-2

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	518935	12/03/20 02:57	JZ	TAL DEN
Total/NA	Analysis	Moisture		1	572980	11/19/20 06:52	LWN	TAL CHI

Client Sample ID: HB-2 2-5ft

Lab Sample ID: 500-191132-2

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			572706	11/12/20 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573806	11/24/20 23:14	PMF	TAL CHI
Total/NA	Prep	3541			573445	11/21/20 14:30	JP1	TAL CHI
Total/NA	Analysis	8270D		1	573562	11/23/20 12:56	AJD	TAL CHI
Total/NA	Prep	6860			517528	11/20/20 12:02	NK	TAL DEN
Total/NA	Analysis	6860		1	518062	11/25/20 12:09	NK	TAL DEN
Total/NA	Prep	3050B			573917	11/24/20 18:13	BDE	TAL CHI
Total/NA	Analysis	6010C		1	574084	11/25/20 10:24	EEN	TAL CHI

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: HB-2 2-5ft

Lab Sample ID: 500-191132-2

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			573789	11/24/20 14:10	MJG	TAL CHI
Total/NA	Analysis	7471B		1	574072	11/25/20 10:28	MJG	TAL CHI

Client Sample ID: TTU-1

Lab Sample ID: 500-191132-3

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	518935	12/03/20 03:20	JZ	TAL DEN
Total/NA	Analysis	Moisture		1	572980	11/19/20 06:52	LWN	TAL CHI

Client Sample ID: TTU-1

Lab Sample ID: 500-191132-3

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			572706	11/12/20 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573806	11/24/20 23:41	PMF	TAL CHI
Total/NA	Prep	3541			573445	11/21/20 14:30	JP1	TAL CHI
Total/NA	Analysis	8270D		1	573562	11/23/20 13:22	AJD	TAL CHI
Total/NA	Prep	6860			517528	11/20/20 12:02	NK	TAL DEN
Total/NA	Analysis	6860		1	518062	11/25/20 12:14	NK	TAL DEN
Total/NA	Prep	HRMS-Sox			44670	11/20/20 11:09	SSS	TAL KNX
Total/NA	Analysis	1613B		1	45019	12/07/20 13:16	MSD	TAL KNX
Total/NA	Prep	3050B			573917	11/24/20 18:13	BDE	TAL CHI
Total/NA	Analysis	6010C		1	574084	11/25/20 10:34	EEN	TAL CHI
Total/NA	Prep	7471B			573789	11/24/20 14:10	MJG	TAL CHI
Total/NA	Analysis	7471B		1	574072	11/25/20 10:30	MJG	TAL CHI

Client Sample ID: TTU-2

Lab Sample ID: 500-191132-4

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	518935	12/03/20 03:43	JZ	TAL DEN
Total/NA	Analysis	Moisture		1	572980	11/19/20 06:52	LWN	TAL CHI

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-2

Lab Sample ID: 500-191132-4

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			572706	11/12/20 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573806	11/25/20 00:07	PMF	TAL CHI
Total/NA	Prep	3541			573445	11/21/20 14:30	JP1	TAL CHI
Total/NA	Analysis	8270D		1	573562	11/23/20 13:49	AJD	TAL CHI
Total/NA	Prep	6860			517528	11/20/20 12:02	NK	TAL DEN
Total/NA	Analysis	6860		1	518062	11/25/20 12:19	NK	TAL DEN
Total/NA	Prep	HRMS-Sox			44670	11/20/20 11:09	SSS	TAL KNX
Total/NA	Analysis	1613B		1	45019	12/07/20 14:17	MSD	TAL KNX
Total/NA	Prep	3050B			573917	11/24/20 18:13	BDE	TAL CHI
Total/NA	Analysis	6010C		1	574084	11/25/20 10:37	EEN	TAL CHI
Total/NA	Prep	7471B			573789	11/24/20 14:10	MJG	TAL CHI
Total/NA	Analysis	7471B		1	574072	11/25/20 10:32	MJG	TAL CHI

Client Sample ID: TTU-3

Lab Sample ID: 500-191132-5

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	518935	12/03/20 04:05	JZ	TAL DEN
Total/NA	Analysis	Moisture		1	572980	11/19/20 06:52	LWN	TAL CHI

Client Sample ID: TTU-3

Lab Sample ID: 500-191132-5

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			572706	11/12/20 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573806	11/25/20 00:34	PMF	TAL CHI
Total/NA	Prep	3541			573445	11/21/20 14:30	JP1	TAL CHI
Total/NA	Analysis	8270D		1	573562	11/23/20 14:15	AJD	TAL CHI
Total/NA	Prep	6860			517528	11/20/20 12:02	NK	TAL DEN
Total/NA	Analysis	6860		1	518062	11/25/20 12:24	NK	TAL DEN
Total/NA	Prep	HRMS-Sox			44670	11/20/20 11:09	SSS	TAL KNX
Total/NA	Analysis	1613B		1	45019	12/07/20 15:18	MSD	TAL KNX
Total/NA	Prep	HRMS-Sox			44670	11/20/20 11:09	SSS	TAL KNX
Total/NA	Analysis	1613B		1	45102	12/09/20 03:23	PMP	TAL KNX
Total/NA	Prep	3050B			573917	11/24/20 18:13	BDE	TAL CHI
Total/NA	Analysis	6010C		1	574084	11/25/20 10:40	EEN	TAL CHI
Total/NA	Prep	7471B			573789	11/24/20 14:10	MJG	TAL CHI
Total/NA	Analysis	7471B		1	574072	11/25/20 10:33	MJG	TAL CHI

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-4
Date Collected: 11/12/20 00:00
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	518935	12/03/20 04:28	JZ	TAL DEN
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	519675	12/08/20 22:59	JZ	TAL DEN
Total/NA	Analysis	Moisture		1	572980	11/19/20 06:52	LWN	TAL CHI

Client Sample ID: TTU-4
Date Collected: 11/12/20 00:00
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-6
Matrix: Solid
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			572706	11/12/20 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573806	11/25/20 01:01	PMF	TAL CHI
Total/NA	Prep	3541			573445	11/21/20 14:30	JP1	TAL CHI
Total/NA	Analysis	8270D		1	573562	11/23/20 14:42	AJD	TAL CHI
Total/NA	Prep	6860			517528	11/20/20 12:02	NK	TAL DEN
Total/NA	Analysis	6860		1	518062	11/25/20 12:45	NK	TAL DEN
Total/NA	Prep	HRMS-Sox			44670	11/20/20 11:09	SSS	TAL KNX
Total/NA	Analysis	1613B		1	45019	12/07/20 16:19	MSD	TAL KNX
Total/NA	Prep	HRMS-Sox			44670	11/20/20 11:09	SSS	TAL KNX
Total/NA	Analysis	1613B		1	45102	12/09/20 03:57	PMP	TAL KNX
Total/NA	Prep	3050B			573917	11/24/20 18:13	BDE	TAL CHI
Total/NA	Analysis	6010C		1	574084	11/25/20 10:43	EEN	TAL CHI
Total/NA	Prep	7471B			573789	11/24/20 14:10	MJG	TAL CHI
Total/NA	Analysis	7471B		1	574072	11/25/20 10:35	MJG	TAL CHI

Client Sample ID: TTU-5
Date Collected: 11/12/20 00:00
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	518935	12/03/20 04:51	JZ	TAL DEN
Total/NA	Analysis	Moisture		1	572980	11/19/20 06:52	LWN	TAL CHI

Client Sample ID: TTU-5
Date Collected: 11/12/20 00:00
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191132-7
Matrix: Solid
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			572706	11/12/20 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573806	11/25/20 01:27	PMF	TAL CHI

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-5

Lab Sample ID: 500-191132-7

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3541			573445	11/21/20 14:30	JP1	TAL CHI
Total/NA	Analysis	8270D		1	573562	11/23/20 15:08	AJD	TAL CHI
Total/NA	Prep	6860			517528	11/20/20 12:02	NK	TAL DEN
Total/NA	Analysis	6860		1	518062	11/25/20 12:50	NK	TAL DEN
Total/NA	Prep	HRMS-Sox			44670	11/20/20 11:09	SSS	TAL KNX
Total/NA	Analysis	1613B		1	45019	12/07/20 17:20	MSD	TAL KNX
Total/NA	Prep	3050B			573917	11/24/20 18:13	BDE	TAL CHI
Total/NA	Analysis	6010C		1	574084	11/25/20 10:46	EEN	TAL CHI
Total/NA	Prep	7471B			573789	11/24/20 14:10	MJG	TAL CHI
Total/NA	Analysis	7471B		1	574072	11/25/20 10:47	MJG	TAL CHI

Client Sample ID: TTU-6

Lab Sample ID: 500-191132-8

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	518935	12/03/20 05:14	JZ	TAL DEN
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	519675	12/08/20 23:34	JZ	TAL DEN
Total/NA	Analysis	Moisture		1	572980	11/19/20 06:52	LWN	TAL CHI

Client Sample ID: TTU-6

Lab Sample ID: 500-191132-8

Date Collected: 11/12/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			572706	11/12/20 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573970	11/25/20 12:43	PMF	TAL CHI
Total/NA	Prep	3541			573445	11/21/20 14:30	JP1	TAL CHI
Total/NA	Analysis	8270D		1	573562	11/23/20 15:35	AJD	TAL CHI
Total/NA	Prep	6860			517528	11/20/20 12:02	NK	TAL DEN
Total/NA	Analysis	6860		1	518062	11/25/20 12:55	NK	TAL DEN
Total/NA	Prep	HRMS-Sox			44670	11/20/20 11:09	SSS	TAL KNX
Total/NA	Analysis	1613B		1	45019	12/07/20 18:21	MSD	TAL KNX
Total/NA	Prep	HRMS-Sox			44670	11/20/20 11:09	SSS	TAL KNX
Total/NA	Analysis	1613B		1	45102	12/09/20 04:31	PMP	TAL KNX
Total/NA	Prep	3050B			573917	11/24/20 18:13	BDE	TAL CHI
Total/NA	Analysis	6010C		1	574084	11/25/20 10:49	EEN	TAL CHI
Total/NA	Prep	7471B			573789	11/24/20 14:10	MJG	TAL CHI
Total/NA	Analysis	7471B		1	574072	11/25/20 10:49	MJG	TAL CHI

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-7

Lab Sample ID: 500-191132-15

Date Collected: 11/13/20 09:15

Matrix: Solid

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	518935	12/03/20 06:00	JZ	TAL DEN
Total/NA	Analysis	Moisture		1	572980	11/19/20 06:52	LWN	TAL CHI

Client Sample ID: TTU-7

Lab Sample ID: 500-191132-15

Date Collected: 11/13/20 09:15

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			572707	11/13/20 09:15	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573806	11/25/20 01:54	PMF	TAL CHI
Total/NA	Prep	3541			573445	11/21/20 14:30	JP1	TAL CHI
Total/NA	Analysis	8270D		1	573562	11/23/20 16:01	AJD	TAL CHI
Total/NA	Prep	6860			517528	11/20/20 12:02	NK	TAL DEN
Total/NA	Analysis	6860		1	518062	11/25/20 13:00	NK	TAL DEN
Total/NA	Prep	HRMS-Sox			44670	11/20/20 11:09	SSS	TAL KNX
Total/NA	Analysis	1613B		1	45019	12/07/20 19:22	MSD	TAL KNX
Total/NA	Prep	3050B			573917	11/24/20 18:13	BDE	TAL CHI
Total/NA	Analysis	6010C		1	574084	11/25/20 10:52	EEN	TAL CHI
Total/NA	Prep	7471B			574058	11/25/20 14:00	MJG	TAL CHI
Total/NA	Analysis	7471B		1	574191	11/27/20 06:54	MJG	TAL CHI

Client Sample ID: TTU-8

Lab Sample ID: 500-191132-17

Date Collected: 11/13/20 09:50

Matrix: Solid

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	518935	12/03/20 06:23	JZ	TAL DEN
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	519675	12/09/20 00:09	JZ	TAL DEN
Total/NA	Analysis	Moisture		1	572980	11/19/20 06:52	LWN	TAL CHI

Client Sample ID: TTU-8

Lab Sample ID: 500-191132-17

Date Collected: 11/13/20 09:50

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			572707	11/13/20 09:50	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573806	11/25/20 02:21	PMF	TAL CHI
Total/NA	Prep	3541			573445	11/21/20 14:30	JP1	TAL CHI
Total/NA	Analysis	8270D		1	573562	11/23/20 16:27	AJD	TAL CHI

Eurofins TestAmerica, Chicago

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-8

Lab Sample ID: 500-191132-17

Date Collected: 11/13/20 09:50

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	6860			517528	11/20/20 12:02	NK	TAL DEN
Total/NA	Analysis	6860		1	518062	11/25/20 13:05	NK	TAL DEN
Total/NA	Prep	HRMS-Sox			44670	11/20/20 11:09	SSS	TAL KNX
Total/NA	Analysis	1613B		1	45049	12/08/20 01:11	PMP	TAL KNX
Total/NA	Prep	HRMS-Sox			44670	11/20/20 11:09	SSS	TAL KNX
Total/NA	Analysis	1613B		1	45102	12/09/20 05:05	PMP	TAL KNX
Total/NA	Prep	3050B			573917	11/24/20 18:13	BDE	TAL CHI
Total/NA	Analysis	6010C		1	574084	11/25/20 10:55	EEN	TAL CHI
Total/NA	Prep	7471B			574058	11/25/20 14:00	MJG	TAL CHI
Total/NA	Analysis	7471B		1	574191	11/27/20 06:57	MJG	TAL CHI

Client Sample ID: TTU-8 (dup)

Lab Sample ID: 500-191132-18

Date Collected: 11/13/20 10:00

Matrix: Solid

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	518935	12/03/20 06:46	JZ	TAL DEN
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	519675	12/09/20 00:44	JZ	TAL DEN
Total/NA	Analysis	Moisture		1	572980	11/19/20 06:52	LWN	TAL CHI

Client Sample ID: TTU-8 (dup)

Lab Sample ID: 500-191132-18

Date Collected: 11/13/20 10:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			572707	11/13/20 10:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573806	11/25/20 02:48	PMF	TAL CHI
Total/NA	Prep	3541			573445	11/21/20 14:30	JP1	TAL CHI
Total/NA	Analysis	8270D		1	573562	11/23/20 16:54	AJD	TAL CHI
Total/NA	Prep	6860			517528	11/20/20 12:02	NK	TAL DEN
Total/NA	Analysis	6860		1	518062	11/25/20 13:10	NK	TAL DEN
Total/NA	Prep	HRMS-Sox			44670	11/20/20 11:09	SSS	TAL KNX
Total/NA	Analysis	1613B		1	45049	12/08/20 02:12	PMP	TAL KNX
Total/NA	Prep	HRMS-Sox			44670	11/20/20 11:09	SSS	TAL KNX
Total/NA	Analysis	1613B		1	45102	12/09/20 05:39	PMP	TAL KNX
Total/NA	Prep	3050B			573917	11/24/20 18:13	BDE	TAL CHI
Total/NA	Analysis	6010C		1	574084	11/25/20 10:59	EEN	TAL CHI
Total/NA	Prep	7471B			574058	11/25/20 14:00	MJG	TAL CHI
Total/NA	Analysis	7471B		1	574191	11/27/20 06:58	MJG	TAL CHI

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-9

Lab Sample ID: 500-191132-20

Date Collected: 11/13/20 10:50

Matrix: Solid

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	518935	12/03/20 07:09	JZ	TAL DEN
Total/NA	Analysis	Moisture		1	572980	11/19/20 06:52	LWN	TAL CHI

Client Sample ID: TTU-9

Lab Sample ID: 500-191132-20

Date Collected: 11/13/20 10:50

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			572707	11/13/20 10:50	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573806	11/25/20 03:14	PMF	TAL CHI
Total/NA	Prep	3541			573445	11/21/20 14:30	JP1	TAL CHI
Total/NA	Analysis	8270D		1	573562	11/23/20 17:20	AJD	TAL CHI
Total/NA	Prep	6860			517528	11/20/20 12:02	NK	TAL DEN
Total/NA	Analysis	6860		1	518062	11/25/20 13:16	NK	TAL DEN
Total/NA	Prep	HRMS-Sox			44670	11/20/20 11:09	SSS	TAL KNX
Total/NA	Analysis	1613B		1	45049	12/08/20 03:13	PMP	TAL KNX
Total/NA	Prep	3050B			573917	11/24/20 18:13	BDE	TAL CHI
Total/NA	Analysis	6010C		1	574084	11/25/20 11:02	EEN	TAL CHI
Total/NA	Prep	7471B			574058	11/25/20 14:00	MJG	TAL CHI
Total/NA	Analysis	7471B		1	574191	11/27/20 07:00	MJG	TAL CHI

Client Sample ID: TTU-9 (dup)

Lab Sample ID: 500-191132-21

Date Collected: 11/13/20 11:00

Matrix: Solid

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	518935	12/03/20 07:32	JZ	TAL DEN
Total/NA	Analysis	Moisture		1	572984	11/19/20 07:43	LWN	TAL CHI

Client Sample ID: TTU-9 (dup)

Lab Sample ID: 500-191132-21

Date Collected: 11/13/20 11:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			572707	11/13/20 11:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573806	11/25/20 03:41	PMF	TAL CHI
Total/NA	Prep	3541			573445	11/21/20 14:30	JP1	TAL CHI
Total/NA	Analysis	8270D		1	573562	11/23/20 17:47	AJD	TAL CHI
Total/NA	Prep	6860			517528	11/20/20 12:02	NK	TAL DEN
Total/NA	Analysis	6860		1	518062	11/25/20 13:21	NK	TAL DEN

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Client Sample ID: TTU-9 (dup)

Lab Sample ID: 500-191132-21

Date Collected: 11/13/20 11:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			44670	11/20/20 11:09	SSS	TAL KNX
Total/NA	Analysis	1613B		1	45049	12/08/20 04:14	PMP	TAL KNX
Total/NA	Prep	3050B			573917	11/24/20 18:13	BDE	TAL CHI
Total/NA	Analysis	6010C		1	574084	11/25/20 11:11	EEN	TAL CHI
Total/NA	Prep	7471B			574058	11/25/20 14:00	MJG	TAL CHI
Total/NA	Analysis	7471B		1	574191	11/27/20 07:01	MJG	TAL CHI

Client Sample ID: TTU-10

Lab Sample ID: 500-191132-23

Date Collected: 11/13/20 11:25

Matrix: Solid

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	518935	12/03/20 07:55	JZ	TAL DEN
Total/NA	Analysis	Moisture		1	572984	11/19/20 07:43	LWN	TAL CHI

Client Sample ID: TTU-10

Lab Sample ID: 500-191132-23

Date Collected: 11/13/20 11:25

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			572707	11/13/20 11:25	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573806	11/25/20 04:07	PMF	TAL CHI
Total/NA	Prep	3541			573445	11/21/20 14:30	JP1	TAL CHI
Total/NA	Analysis	8270D		1	573562	11/23/20 18:13	AJD	TAL CHI
Total/NA	Prep	6860			517528	11/20/20 12:02	NK	TAL DEN
Total/NA	Analysis	6860		1	518062	11/25/20 13:26	NK	TAL DEN
Total/NA	Prep	HRMS-Sox			44670	11/20/20 11:09	SSS	TAL KNX
Total/NA	Analysis	1613B		1	45049	12/08/20 05:15	PMP	TAL KNX
Total/NA	Prep	3050B			573917	11/24/20 18:13	BDE	TAL CHI
Total/NA	Analysis	6010C		1	574084	11/25/20 11:14	EEN	TAL CHI
Total/NA	Prep	7471B			574058	11/25/20 14:00	MJG	TAL CHI
Total/NA	Analysis	7471B		1	574191	11/27/20 07:03	MJG	TAL CHI

Client Sample ID: MeOH Blank

Lab Sample ID: 500-191132-25

Date Collected: 11/13/20 00:00

Matrix: Solid

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			572707	11/13/20 00:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573806	11/25/20 04:34	PMF	TAL CHI

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

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Accreditation/Certification Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191132-1

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

Laboratory: Eurofins TestAmerica, Denver

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999615430	08-31-21

Laboratory: Eurofins TestAmerica, Knoxville

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998044300	08-31-21

- 1
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- 15
- 16

Eurofins TestAmerica, Chicago

2417 Bond Street
 University Park, IL 60484
 Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record

eurofins | Environment Testing
 America



500-191132 COC

Client Information		Sampler: <u>John E. Olson</u>		Lab PM: Fredrick, Sandie		Carrie	
Client Contact: Mr. Bruce Olson		Phone: <u>715.271.7516</u>		E-Mail: sandra.fredrick@eurofinset.com			
Company: Short Elliott Hendrickson, Inc. dba SEH				Analysis Requester:			
Address: 10 North Bridge Street		Due Date Requested:		Field Filtered Sample (Yes or No)		COC No: 500-87109-39218.3	
City: Chippewa Falls		TAT Requested (days):		Perform MS/MSD (Yes or No)		Page: Page 3 of 3	
State, Zip: WI, 54729-3374		PO #: Purchase Order not required		8260B - VOC		Job #: <u>500-191132</u>	
Phone: 800-4725881(Tel)		WO #:		6010C, 7471B, 8270D		Preservation Codes:	
Email: bolson@sehinc.com		Project #: 50006628		8330B - Explosives - Spec List		A - HCL M - Hexane	
Project Name: Stresau Labs		SSOW#:		8260B - VOC		B - NaOH N - None	
Site:				8270D - PAH		C - Zn Acetate O - AsNaO2	
				6020A, 7470A		D - Nitric Acid P - Na2O4S	
				6860 - Perchlorate 6860		E - NaHSO4 Q - Na2SO3	
				Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		F - MeOH R - Na2S2O3	
				Field Filtered Sample (Yes or No)		G - Amchlor S - H2SO4	
				Total Number of containers		H - Ascorbic Acid T - TSP Dodecahydrate	
						I - Ice U - Acetone	
						J - DI Water V - MCAA	
						K - EDTA W - pH 4-5	
						L - EDA Z - other (specify)	
						Other:	
						Special Instructions/Note:	
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)	
						Preservation Code:	
1 NB-1 2-5 ft		11-12-20				N N N A N D N	
2 NB-2 2-5 ft							
3 TTU-1							
4 TTU-2							
5 TTU-3							
6 TTU-4							
7 TTU-5							
8 TTU-6							
9 TTU-1 24"							
10 TTU-2 24"							
11 TTU-3 24"							
Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months			
Deliverable Requested: I, II, III, IV, Other (specify)				Special Instructions/QC Requirements:			
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by:		Date/Time:		Company:		Received by: <u>[Signature]</u> Date/Time: <u>11-14-20 1010</u> Company: <u>TA</u>	
Relinquished by:		Date/Time:		Company:		Received by:	
Relinquished by:		Date/Time:		Company:		Received by:	
Custody Seals Intact: \ Yes \ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <u>5.175.5, 5.4 → 3.5</u>			

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Do Not Lift Using This Tag

151967 REV 7/08 RRD

FedEx Saturday Delivery

SDR

FedEx Express

SDR

FedEx Saturday Delivery

151967 REV 7/08 RRD

9 00

ORIGIN ID:MIFA (800) 472-5881
MR. JOHN GUHL
SHORT ELLIOTT HENDRICKSON, INC. DBA
0 NORTH BRIDGE STREET

SHIP DATE: 21MAR19
ACTWGT: 10.00 LB MAN
CAD: 592545/CAFE3211

CHIPPEWA FALLS, WI 54729
UNITED STATES US

ORIGIN ID:MIFA (800) 472-5881
MR. JOHN GUHL
SHORT ELLIOTT HENDRICKSON, INC. DBA
10 NORTH BRIDGE STREET

SHIP DATE: 21MAR19
ACTWGT: 10.00 LB MAN
CAD: 592545/CAFE3211

CHIPPEWA FALLS, WI 54729
UNITED STATES US

TESTAMERICA CHICAGO
2417 BOND STREET

UNIVERSITY PARK IL 60484-3101

(708) 634-6200
DEPT: BOTTLES

REF: 6600-70704

TESTAMERICA CHICAGO
2417 BOND STREET

UNIVERSITY PARK IL 60484-

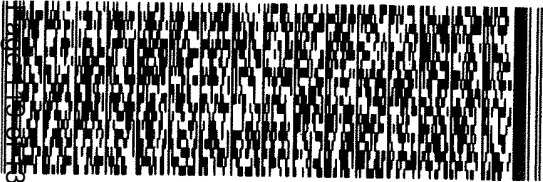
(708) 634-6200
DEPT: BOTTLES

REF: 6600-70704

500-191132 WayV



MA: 111111



FedEx Express



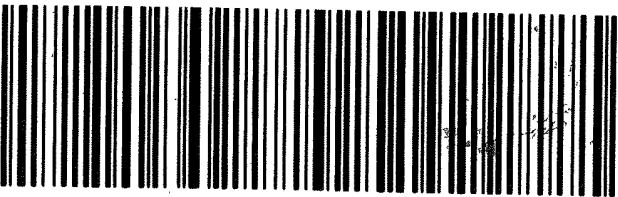
AN L050908111817

FedEx
TRK# 4759 5529 0004
0221

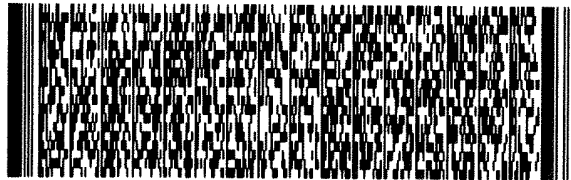
SATURDAY 12:00P
PRIORITY OVERNIGHT

KO JOTA

60484
IL-US ORD



RMA: 111111



FedEx Express



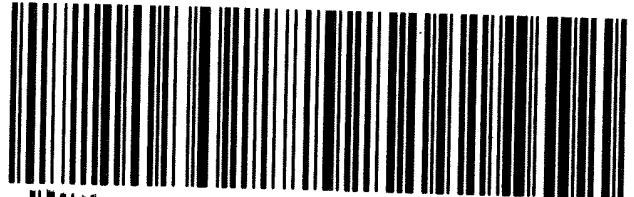
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FedEx
TRK# 4759 5528 9993
0221

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO JOTA

60484
IL-US ORD



12/24/2020



Not Lift Using This Tag

Part # 159469-434 RIT2 EXP 09/20 e.w

500-191132 Wayb



ORIGIN ID:RRLA (262) 202-5955
MARC MAKELA
STRESAU LABS
N0265 MEDLEY RD.
SPOONER, WI 54801
UNITED STATES US

SHIP DATE: 02NOV20
ACTWGT: 25.00 LB MAN
CAD: 525155/CAFE3406

TO

TESTAMERICA CHICAGO
2417 BOND STREET

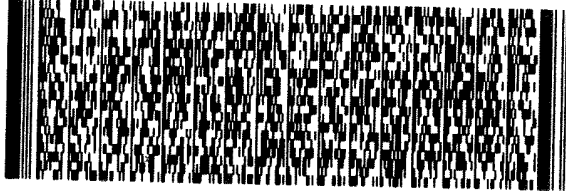
UNIVERSITY PARK IL 60484-3101

(708) 534-6200
INV: PD:

REF:

DEPT:

RMA: 

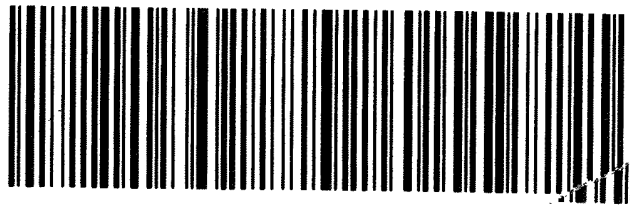


FedEx
TRK# 7125 4943 5404
0221

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO JOTA

60484
IL-US ORD



Eurofins TestAmerica, Chicago

2417 Bond Street
 University Park, IL 60484
 Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



ifins Environment Testing
 America

500-191132 Chain of Custody

Client Information (Sub Contract Lab)		Sampler:		Lab PM: Fredrick, Sandie		State of Origin: Wisconsin		Page: Page 1 of 2			
Client Contact: Shipping/Receiving		Phone:		E-Mail: sandra.fredrick@eurofinset.com		State of Origin: Wisconsin		Page: Page 1 of 2			
Company: TestAmerica Laboratories, Inc.		Due Date Requested: 11/27/2020		Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin		Job #: 500-191132-1		Preservation Codes:			
Address: 5815 Middlebrook Pike,		TAT Requested (days):		Analysis Requested		Total Number of Containers:		A - HCL		M - Hexane	
City: Knoxville		PO #:						B - NaOH		N - None	
State, Zip: TN, 37921		WO #:						C - Zn Acetate		O - AsNaO2	
Phone: 865-291-3000(Tel) 865-584-4315(Fax)		Project #: 50006628						D - Nitric Acid		P - Na2O4S	
Email:		SSOW#:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		E - NaHSO4		Q - Na2SO3	
Project Name: Stresau Lab		Project #: 50006628		Total Number of Containers:		Total Number of Containers:		F - MeOH		R - Na2S2O3	
Site:		SSOW#:		Total Number of Containers:		Total Number of Containers:		G - Amchlor		S - H2SO4	
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)		Special Instructions/Note:	
TTU-1 (500-191132-3)		11/12/20		Central		Solid		X		1	
TTU-2 (500-191132-4)		11/12/20		Central		Solid		X		1	
TTU-3 (500-191132-5)		11/12/20		Central		Solid		X		1	
TTU-4 (500-191132-6)		11/12/20		Central		Solid		X		1	
TTU-5 (500-191132-7)		11/12/20		Central		Solid		X		1	
TTU-6 (500-191132-8)		11/12/20		Central		Solid		X		1	
TTU-7 (500-191132-15)		11/13/20		09:15 Central		Solid		X		1	
TTU-7 (2') (500-191132-16)		11/13/20		09:25 Central		Solid		X		1	
TTU-8 (500-191132-17)		11/13/20		09:50 Central		Solid		X		1	
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out 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 TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.											
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
Unconfirmed					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months						
Deliverable Requested: I, II, III, IV, Other (specify)					Special Instructions/QC Requirements:						
Empty Kit Relinquished by:					Date:						
Relinquished by:					Date/Time:						
Relinquished by:					Date/Time:						
Relinquished by:					Date/Time:						
Custody Seals Intact: Δ Yes Δ No					Custody Seal No.:						
Cooler Temperature(s) °C and Other Remarks:											

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12/24/2020



EUROFINS/TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Log In Number:

Loc: 500
191132

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken														
1. Are the shipping containers intact?	/			<input type="checkbox"/> Containers, Broken	RT: 1.9°C CT: 2.0°C 1 cooler, FedEx Po Custody seal intact TK# 1897 945 1483 KW 11/18/20														
2. Were ambient air containers received intact?			/	<input type="checkbox"/> Checked in lab															
3. The coolers/containers custody seal if present, is it intact?	/			<input type="checkbox"/> Yes <input type="checkbox"/> NA															
4. Is the cooler temperature within limits? (> freezing temp. of water to 6°C, VOST: 10°C) Thermometer ID: <u>sc68</u> Correction factor: <u>+0.1</u>	/			<input type="checkbox"/> Cooler Out of Temp, Client Contacted, Proceed/Cancel <input type="checkbox"/> Cooler Out of Temp, Same Day Receipt															
5. Were all of the sample containers received intact?	/			<input type="checkbox"/> Containers, Broken															
6. Were samples received in appropriate containers?	/			<input type="checkbox"/> Containers, Improper; Client Contacted; Proceed/Cancel															
7. Do sample container labels match COC? (IDs, Dates, Times)	/			<input type="checkbox"/> COC & Samples Do Not Match <input type="checkbox"/> COC Incorrect/Incomplete <input type="checkbox"/> COC Not Received															
8. Were all of the samples listed on the COC received?	/			<input type="checkbox"/> Sample Received, Not on COC <input type="checkbox"/> Sample on COC, Not Received															
9. Is the date/time of sample collection noted?	/			<input type="checkbox"/> COC; No Date/Time; Client Contacted															
10. Was the sampler identified on the COC?			/	<input type="checkbox"/> Sampler Not Listed on COC															
11. Is the client and project name/# identified?	/			<input type="checkbox"/> COC Incorrect/Incomplete															
12. Are tests/parameters listed for each sample?	/			<input type="checkbox"/> COC No tests on COC															
13. Is the matrix of the samples noted?	/			<input type="checkbox"/> COC Incorrect/Incomplete															
14. Was COC relinquished? (Signed/Dated/Timed)	/			<input type="checkbox"/> COC Incorrect/Incomplete															
15. Were samples received within holding time?	/			<input type="checkbox"/> Holding Time - Receipt															
16. Were samples received with correct chemical preservative (excluding Encore)?			/	<input type="checkbox"/> pH Adjusted, pH Included (See box 16A) <input type="checkbox"/> Incorrect Preservative															
17. Were VOA samples received without headspace?			/	<input type="checkbox"/> Headspace (VOA only)															
18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) Chlorine test strip lot number:			/	<input type="checkbox"/> Residual Chlorine															
19. For 1613B water samples is pH<9?			/	<input type="checkbox"/> If no, notify lab to adjust															
20. For rad samples was sample activity info. Provided?			/	<input type="checkbox"/> Project missing info															
Project #: _____ PM Instructions: _____					<table border="1"> <thead> <tr> <th>Box 16A: pH Preservation</th> <th>Box 18A: Residual Chlorine</th> </tr> </thead> <tbody> <tr> <td>Preservative: _____</td> <td></td> </tr> <tr> <td>Lot Number: _____</td> <td></td> </tr> <tr> <td>Exp Date: _____</td> <td></td> </tr> <tr> <td>Analyst: _____</td> <td></td> </tr> <tr> <td>Date: _____</td> <td></td> </tr> <tr> <td>Time: _____</td> <td></td> </tr> </tbody> </table>	Box 16A: pH Preservation	Box 18A: Residual Chlorine	Preservative: _____		Lot Number: _____		Exp Date: _____		Analyst: _____		Date: _____		Time: _____	
Box 16A: pH Preservation	Box 18A: Residual Chlorine																		
Preservative: _____																			
Lot Number: _____																			
Exp Date: _____																			
Analyst: _____																			
Date: _____																			
Time: _____																			

Sample Receiving Associate: Ke Wu Date: 11/18/20

QA026R32.doc, 062719



Eurofins TestAmerica, Chicago

2417 Bond Street
 University Park, IL 60484
 Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Testing
 America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-142164.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: sandra.fredrick@eurofinset.com	State of Origin: Wisconsin	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.	Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin			Job #: 500-191132-1

Address: 4955 Yarrow Street, City: Arvada State, Zip: CO, 80002 Phone: 303-736-0100(Tel) 303-431-7171(Fax) Email:	Due Date Requested: 11/27/2020 TAT Requested (days):	Analysis Requested				Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify) Other:
Project Name: Stresau Lab Site:	Project #: 50006628 SSOW#:	PO #:	WO #:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers	Special Instructions/Note:
Preservation Code: X X								
HB-1 2-5ft (500-191132-1)	11/12/20	Central		Solid		X	1	
HB-2 2-5ft (500-191132-2)	11/12/20	Central		Solid		X	1	
TTU-1 (500-191132-3)	11/12/20	Central		Solid		X	1	
TTU-2 (500-191132-4)	11/12/20	Central		Solid		X	1	
TTU-3 (500-191132-5)	11/12/20	Central		Solid		X	1	
TTU-4 (500-191132-6)	11/12/20	Central		Solid		X	1	
TTU-5 (500-191132-7)	11/12/20	Central		Solid		X	1	
TTU-6 (500-191132-8)	11/12/20	Central		Solid		X	1	
TTU-7 (500-191132-15)	11/13/20	09:15 Central		Solid		X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out 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 TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: <i>[Signature]</i>	Date/Time: 11/16/20 1600	Company: <i>[Signature]</i>	Received by: <i>[Signature]</i>
Relinquished by:	Date/Time:	Company:	Received by:
Relinquished by:	Date/Time:	Company:	Received by:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.6 I 211 - 0.3 J 0 11/18/2020
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Chain of Custody Record

Client Information (Sub Contract Lab)		Sampler:		Lab PM: Fredrick, Sandie		Carrier Tracking No(s):		COC No: 500-142164.2			
Client Contact: Shipping/Receiving		Phone:		E-Mail: sandra.fredrick@eurofinset.com		State of Origin: Wisconsin		Page: Page 2 of 2			
Company: TestAmerica Laboratories, Inc.				Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin				Job #: 500-191132-1			
Address: 4955 Yarrow Street,		Due Date Requested: 11/27/2020		Analysis Requested						Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:	
City: Arvada		TAT Requested (days):									
State, Zip: CO, 80002		PO #:									
Phone: 303-736-0100(Tel) 303-431-7171(Fax)		WO #:									
Email:		Project #: 50006628									
Project Name: Stresau Lab		SSOW#:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers			
Site:											
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)		Special Instructions/Note:	
TTU-7 (2') (500-191132-16)		11/13/20		09:25 Central		Solid				1	
TTU-8 (500-191132-17)		11/13/20		09:50 Central		Solid		X		1	
TTU-8 (dup) (500-191132-18)		11/13/20		10:00 Central		Solid		X		1	
TTU-8 (2') (500-191132-19)		11/13/20		10:15 Central		Solid		X		1	
TTU-9 (500-191132-20)		11/13/20		10:50 Central		Solid		X		1	
TTU-9 (dup) (500-191132-21)		11/13/20		11:00 Central		Solid		X		1	
TTU-9 (2') (500-191132-22)		11/13/20		11:15 Central		Solid		X		1	
TTU-10 (500-191132-23)		11/13/20		11:25 Central		Solid		X		1	
TTU-10 (2') (500-191132-24)		11/13/20		11:45 Central		Solid		X		1	
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica 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 TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.											
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Unconfirmed						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: <i>[Signature]</i>		Date/Time: 11/16/20 1600		Company: EPA		Received by: <i>[Signature]</i>		Date/Time: 11/18/2020 09:30		Company: ETADEN	
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: 8.6 TR11 -0.3 JO 11/18/2020					

Page 125 of 134

12/24/2020



Login #: 550-152660 Date/Time Received: 11/18/2020 FedEx Priority Overnight 0930

Company Name & Sampling Site: EIA Phoenix

Time Zone: • EDT/EST • CDT/CST • MDT/MST • PDT/PST • OTHER _____ State: _____

Document any problems or discrepancies and the actions taken to resolve them on a Condition Upon Receipt Anomaly Report (CUR)

Temp	IR#	Temp	IR#	Temp	IR#	Temp	IR#
1.4C	11						
CF_0.3	Initials SH	CF	Initials	CF	Initials	CF	Initials
Date 11/18/2020		Date		Date		Date	

N/A Yes No TRK 18352437 5864 Initials JO

- 1a. For suspected radiological coolers, is activity <100 CPM above background? (β/γ CPM) Bkg: _____ Reading: _____
- 1b. For all coolers, is radioactivity at or below background? (γ μR/hr) Bkg: 20 Reading: 18
- 2a. Is a custody seal present on the cooler?
- 2b. If yes, is the cooler's custody seal intact? 1329205
- 2c. Do cooler or samples appear to not have been compromised or tampered with?
- 3a. Were samples received on ice?
- 3b. Is cooler temperature acceptable?
- 3c. Has temperature been recorded?
- 4. Is COC present; filled out in ink and legible; and filled out with all pertinent information?
- 5. Is the Field Sampler's name present on the COC?
- 6a. Are there no discrepancies between the **sample IDs** and/or **collection date and time** on the containers and the COC?
- 6b. Are there no discrepancies between the container types and those listed on the COC?
- 7. Are samples received within Holding Time?
- 8. Do sample containers have legible labels?
- 9. Are all sample containers intact (not broken or leaking)?
- 10a. Are appropriate sample containers used?
- 10b. Are sample bottles completely filled? (Perchlorate bottles ≥ 1/3 head space) 11/18/2020 About 100mL in all
- 10c. Is sufficient vol. for all requested analyses, incl. any requested MS/MSDs provided?
- 11. No splitting or compositing of samples required?
- 12. Do all VOA sample vials have no headspace or bubbles >6 mm (1/4") in diameter?
- 13. Were VOA vials labeled as preserved? HCl 0-6°C Sodium Thiosulfate Ascorbic Acid Other
- 14. Are all samples single phase? (i.e., no multiphasic samples are present.)

Login Checks: Initials _____

- 15. Was a Priority Form completed for ~~any short holds or quick TATs~~?
- 16. Were any tests logged for subcontract?
- 17. Were special archiving instructions and login instructions indicated in the Project Notes?

Note Archive Requirements: _____

- 18. Were multiple Series logged for this job?

Labeling and Storage Checks: Initials _____

pH Checks Required? Yes No Residual chlorine check required: Yes No Quarantined: Yes No

- 19. Was Sample Preservation verified and found to be correct? (excluding VOA, Oil & Grease, and TOC volumes)
- 20. Was Residual Chlorine checked and noted on the CUR if present?
- 21. If subcontract work was requested, was volume placed on sub shelf?
- 22. Were Terracore/Encores/CoreNOes delivered to VOA lab?
- 23. Did the sample ID on TA label match the client's sample ID on container?
- 24. Were stickers for special archiving instructions affixed to each box?
- 25. Have the following been recorded on the CoC? Received By, Date, Time, Temperature, and IR Gun Used?

581118/2020

Eurofins TestAmerica, Chicago

2417 Bond Street
 University Park, IL 60484
 Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Testing
 America

Client Information (Sub Contract Lab)		Sampler:		Lab PM: Fredrick, Sandie		Carrier Tracking No(s):		COC No: 500-142166.1		
Client Contact: Shipping/Receiving		Phone:		E-Mail: sandra.fredrick@eurofinset.com		State of Origin: Wisconsin		Page: Page 1 of 2		
Company: TestAmerica Laboratories, Inc.				Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin				Job #: 500-191132-1		
Address: 30 Community Drive, Suite 11, City: South Burlington State, Zip: VT, 05403 Phone: 802-660-1990(Tel) 802-660-1919(Fax) Email:		Due Date Requested: 11/27/2020 TAT Requested (days):		Analysis Requested				Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)		
Project Name: Stresau Lab Site:		PO #: WO #: Project #: 50006628 SSOW#:								
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)	8330B/8330_P_Soil 8330 Routine	Total Number of containers	Special Instructions/Note:
HB-1 2-5ft (500-191132-1)		11/12/20	Central		Solid		X		1	
HB-2 2-5ft (500-191132-2)		11/12/20	Central		Solid		X		1	
TTU-1 (500-191132-3)		11/12/20	Central		Solid		X		1	
TTU-2 (500-191132-4)		11/12/20	Central		Solid		X		1	
TTU-3 (500-191132-5)		11/12/20	Central		Solid		X		1	
TTU-4 (500-191132-6)		11/12/20	Central		Solid		X		1	
TTU-5 (500-191132-7)		11/12/20	Central		Solid		X		1	
TTU-6 (500-191132-8)		11/12/20	Central		Solid		X		1	
TTU-7 (500-191132-15)		11/13/20	09:15 Central		Solid		X		1	
<p>Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out 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 TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.</p>										
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Unconfirmed					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: <i>[Signature]</i>		Date/Time: 11-16-20 1630		Company: <i>[Signature]</i>		Received by: <i>[Signature]</i>		Date/Time: 11/18/2020 10:35		Company: <i>[Signature]</i>
Relinquished by: <i>[Signature]</i>		Date/Time: 11/18/20 1645		Company: ETA Burlington		Received by: <i>[Signature]</i>		Date/Time: 11/19/2020 0940		Company: ETADEN
Relinquished by: <i>[Signature]</i>		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: 4.3 ± 0.2 11-0.3 00 11/19/2020						

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12/24/2020



Eurofins TestAmerica, Chicago

2417 Bond Street
 University Park, IL 60484
 Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Testing
 America


Client Information (Sub Contract Lab)		Sampler:	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-142166.2
Client Contact: Shipping/Receiving		Phone:	E-Mail: sandra.fredrick@eurofinset.com	State of Origin: Wisconsin	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.			Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin		Job #: 500-191132-1
Address: 30 Community Drive, Suite 11, City: South Burlington State, Zip: VT, 05403 Phone: 802-660-1990(Tel) 802-660-1919(Fax) Email:		Due Date Requested: 11/27/2020 TAT Requested (days):	Analysis Requested		Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:
Project Name: Stresau Lab Site:		Project #: 50006628 SSOW#:	Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) 8330B/8330_P_Soil 8330 Routine		Total Number of containers
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)
				Preservation Code:	Special Instructions/Note:
TTU-8 (500-191132-17)		11/13/20	09:50 Central		Solid
TTU-8 (dup) (500-191132-18)		11/13/20	10:00 Central	X	Solid
TTU-9 (500-191132-20)		11/13/20	10:50 Central	X	Solid
TTU-9 (dup) (500-191132-21)		11/13/20	11:00 Central	X	Solid
TTU-10 (500-191132-23)		11/13/20	11:25 Central	X	Solid
<p>Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out 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 TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.</p>					
Possible Hazard Identification			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		
Unconfirmed			<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: <i>[Signature]</i>		Date/Time: 11-16-20 1030	Company: <i>[Signature]</i>	Received by: <i>[Signature]</i> Date/Time: 11/18/20 10:35 Company: <i>[Signature]</i>	
Relinquished by: <i>[Signature]</i>		Date/Time: 11/18/20 1645	Company: <i>[Signature]</i>	Received by: <i>[Signature]</i> Date/Time: 11/19/2020 0940 Company: <i>[Signature]</i>	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	

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12/24/2020



PRE-LOG IN SAMPLE RECEIPT HANDLING CHECKLIST

Tracking Information:		Login #:		Login Date/Time:	
Project #		PM:		Client :	
INTERNAL COC (ICOC) Required? <input type="checkbox"/> No <input type="checkbox"/> Yes (If yes, attach a copy of ICOC Form to Checklist)					
Sample Receipt Information:		Date Received: 11/18/2020		Time Received: 10:35	
Delivery Type: <input checked="" type="checkbox"/> Shipping Service <input type="checkbox"/> Courier <input type="checkbox"/> Hand		# Coolers Received:			
Received By: (print name) <u>Lozo Rhydaier</u>			Signature: 		
Condition of Shipping Coolers/Containers					
There is evidence of tampering? <u>NO</u>			Custody seals are present and intact? <u>Yes</u>		
Are custody seal numbers provided? If yes, list custody seal numbers:			<u>1363821</u>		
Packing Material: <input checked="" type="checkbox"/> Bubble Wrap <input type="checkbox"/> Cardboard <input type="checkbox"/> Corrugated Paper <input type="checkbox"/> Shredded Paper <input type="checkbox"/> Styrofoam <input type="checkbox"/> Vermiculite <input type="checkbox"/> Foam Insert <input type="checkbox"/> None					
<input type="checkbox"/> Other (specify)					
Check Performed By: <u>MT</u>			Check Recorded By: <u>ZK</u>		
Temperature Check:		IR Gun ID: <u>348</u>		IR Gun Correction Factor (CF): <u>-0.8</u>	
Is thermal preservation required? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If Yes, what kind is used? <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/> Other (Specify)			
IR Readings Taken By: <u>NJ</u>			IR Readings Recorded By: <u>ZK</u>		
Is a temperature blank provided? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, use temp blank for measurement					
If no, specify the sample ID used to take measurement for each cooler for which measurement was taken below. Record the adjusted temp reading in TALS. Adjusted Temp = Observed Temp + CF					
Cooler 1	<u>0.9</u> °C	ID & Bottle Type:			
Cooler 2	°C	ID & Bottle Type:			
Cooler 3	°C	ID & Bottle Type:			
Cooler 4	°C	ID & Bottle Type:			
Cooler 5	°C	ID & Bottle Type:			
Criteria: Routine: ≤6°C CLP SOW: ≤10°C Summa Canisters, Tedlar Bags, & Geotechnical : Ambient					
Samples should not be frozen unless freezing does not impact integrity of sample, such as for biota or biological tissue.					
Some programs require 4±2°C or other criteria; the PM must apply the proper criteria to their project and notify client of outliers.					
Criteria for samples delivered same day of collection: Evidence of chilling, such as ice in the shipping cooler.					
pH Check for Aqueous Inorganic Samples		Yes	No	NA	Comments
Do samples require pH verification?					
Are basic sample pH's verified >12?					
Are acidified sample pH's verified <2?					
If no, does client require pH adjustment?					
If yes, was pH adjustment performed?					
Does 24 hour wait time apply for metals?					
If pH adjustment was performed, attach a copy of the preservation sheet to this checklist.					
pH Checks Performed By:			pH Strip Lot#:		
Container Preservative (all container preservatives must be documented here. Use additional sheets if needed)					
NA	Preservative:	Preservative Lot:		Container Lot:	
NA	Preservative:	Preservative Lot:		Container Lot:	
NA	Preservative:	Preservative Lot:		Container Lot:	
Volatiles (all VOA vials)		Yes	No	NA	Comments
Headspace: bubbles greater than 6mm (1/4inch)?					
Perchlorate (EPA 331.0 and SW-846.6850)		Yes	No	NA	Comments
Headspace: minimum of 1/3 of container?					
Paperwork Review		Yes	No	NA	Comments
Is receipt paperwork complete & legible?					
CLP: Is Traffic Report / COC Present?					
Scan COC and Airbill to PDF					
Post-Sampling Pressure Check Form attached?					
Notify PM of discrepancies.			Check Performed By:		
Secondary Label Review Performed By:			Date:		
Comments					

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Part # 159470-434 RIT2 EXP 06/21

ORIGIN ID: JOTA (708) 534-5200
SAMPLE LOGIN
TESTAMERICA LABS
2417 BOND ST

SHIP DATE: 16NOV20
ACTWGT: 26.00 LB MAN
CAD: 033264/CAFE3406

UNIVERSITY PARK, IL 60484
UNITED STATES US

BILL SENDER

TO **SAMPLE RECEIPT**
TESTAMERICA, BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

(802) 860-1990
REF: 191132 DE



TRK# 1893 4450 1601
0201

TUE - 17 NOV 10:30A
PRIORITY OVERNIGHT

NL BTVA

05403
VT-US BTV



eurofins
Environmental Testlab

Temperature Controlled

IF THE SAMPLE IS DELAYED IN TRANSIT, STORED AT A TEMPERATURE OTHER THAN 20 TO 8° C / 36° TO 47° F

TAL-00990(1016)

RT 916
FZ 917
10:30
11:18
1601
A

eurofins
136

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Login Sample Receipt Checklist

Client: Short Elliott Hendrickson, Inc. dba SEH

Job Number: 500-191132-1

Login Number: 191132

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: James, Jeff A

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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	5.5,3.5,4.4
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 <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Short Elliott Hendrickson, Inc. dba SEH

Job Number: 500-191132-1

Login Number: 191132

List Number: 2

Creator: O'Hara, Jake F

List Source: Eurofins TestAmerica, Denver

List Creation: 11/18/20 07:57 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	False	Refer to Job Narrative for details.
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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Isotope Dilution Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191132-1

Method: 1613B - Dioxins and Furans (HRGC/HRMS)

Matrix: Solid

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCDD (25-164)	PeCDD (25-181)	HxCDD (32-141)	HxDD (28-130)	HpCDD (23-140)	OCDD (17-157)	TCDF (24-169)	PeCDF (24-185)
500-191132-3	TTU-1	56	64	55	58	69	63	51	57
500-191132-4	TTU-2	63	75	64	70	82	69	61	71
500-191132-5	TTU-3	63	69	64	69	82	77	55	60
500-191132-5	TTU-3							58	
500-191132-6	TTU-4	63	72	58	63	76	67	58	65
500-191132-6	TTU-4							60	
500-191132-7	TTU-5	61	67	64	63	77	72	57	63
500-191132-8	TTU-6	61	77	61	66	76	74	59	64
500-191132-8	TTU-6							60	
500-191132-15	TTU-7	61	67	65	63	76	71	58	62
500-191132-17	TTU-8	63	72	66	68	82	83	59	64
500-191132-17	TTU-8							62	
500-191132-18	TTU-8 (dup)	62	70	60	65	71	69	57	63
500-191132-18	TTU-8 (dup)							54	
500-191132-20	TTU-9	67	22 *5	53	67	92	85	62	24
500-191132-21	TTU-9 (dup)	64	80	56	60	76	80	69	73
500-191132-23	TTU-10	69	76	64	63	91	95	71	75
MB 140-44670/20-A	Method Blank	60	61	59	64	82	79	52	60

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PeCF (21-178)	HxCDF (26-152)	HxDF (26-123)	13CHxCF (28-136)	HxCF (29-147)	HpCDF (28-143)	HpCDF2 (26-138)	OCDF (17-157)
500-191132-3	TTU-1	59	56	47	55	56	56	61	56
500-191132-4	TTU-2	67	66	58	63	65	65	73	62
500-191132-5	TTU-3	58	60	55	61	63	63	71	66
500-191132-5	TTU-3								
500-191132-6	TTU-4	67	59	52	60	62	60	62	61
500-191132-6	TTU-4								
500-191132-7	TTU-5	61	59	53	61	62	60	68	61
500-191132-8	TTU-6	70	61	53	60	62	61	67	64
500-191132-8	TTU-6								
500-191132-15	TTU-7	60	61	54	63	64	61	71	62
500-191132-17	TTU-8	65	65	57	64	67	65	75	72
500-191132-17	TTU-8								
500-191132-18	TTU-8 (dup)	62	61	53	61	62	57	66	61
500-191132-18	TTU-8 (dup)								
500-191132-20	TTU-9	24	70	60	62	67	70	84	77
500-191132-21	TTU-9 (dup)	74	64	53	64	64	63	80	67
500-191132-23	TTU-10	70	63	58	66	67	80	84	84
MB 140-44670/20-A	Method Blank	55	64	57	59	60	65	72	68

Surrogate Legend

- TCDD = 13C-2,3,7,8-TCDD
- PeCDD = 13C-1,2,3,7,8-PeCDD
- HxCDD = 13C-1,2,3,4,7,8-HxCDD
- HxDD = 13C-1,2,3,6,7,8-HxCDD
- HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
- OCDD = 13C-OCDD
- TCDF = 13C-2,3,7,8-TCDF
- PeCDF = 13C-1,2,3,7,8-PeCDF
- PeCF = 13C-2,3,4,7,8-PeCDF

Isotope Dilution Summary

Client: Short Elliott Hendrickson, Inc. dba SEH

Job ID: 500-191132-1

Project/Site: Stresau Lab

HxCDF = 13C-1,2,3,4,7,8-HxCDF
 HxDF = 13C-1,2,3,6,7,8-HxCDF
 13CHxCF = 13C-2,3,4,6,7,8-HxCDF
 HxCF = 13C-1,2,3,7,8,9-HxCDF
 HpCDF = 13C-1,2,3,4,6,7,8-HpCDF
 HpCDF2 = 13C-1,2,3,4,7,8,9-HpCDF
 OCDF = 13C-OCDF

Method: 1613B - Dioxins and Furans (HRGC/HRMS)

Matrix: Solid

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCDD (20-175)	PeCDD (21-227)	HxCDD (21-193)	HxDD (25-163)	HpCDD (26-166)	OCDD (13-199)	TCDF (22-152)	PeCDF (21-192)
LCS 140-44670/19-A	Lab Control Sample	60	65	64	66	77	74	55	63

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PeCF (13-328)	HxCDF (19-202)	HxDF (21-159)	13CHxCF (22-176)	HxCF (17-205)	HpCDF (21-158)	HpCDF2 (20-186)	OCDF (13-199)
LCS 140-44670/19-A	Lab Control Sample	61	62	58	63	63	65	69	61

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD
 PeCDD = 13C-1,2,3,7,8-PeCDD
 HxCDD = 13C-1,2,3,4,7,8-HxCDD
 HxDD = 13C-1,2,3,6,7,8-HxCDD
 HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
 OCDD = 13C-OCDD
 TCDF = 13C-2,3,7,8-TCDF
 PeCDF = 13C-1,2,3,7,8-PeCDF
 PeCF = 13C-2,3,4,7,8-PeCDF
 HxCDF = 13C-1,2,3,4,7,8-HxCDF
 HxDF = 13C-1,2,3,6,7,8-HxCDF
 13CHxCF = 13C-2,3,4,6,7,8-HxCDF
 HxCF = 13C-1,2,3,7,8,9-HxCDF
 HpCDF = 13C-1,2,3,4,6,7,8-HpCDF
 HpCDF2 = 13C-1,2,3,4,7,8,9-HpCDF
 OCDF = 13C-OCDF

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-191135-1
Client Project/Site: Stresau Lab

For:

Short Elliott Hendrickson, Inc. dba SEH
10 North Bridge Street
Chippewa Falls, Wisconsin 54729-3374

Attn: Mr. John Guhl



Authorized for release by:
12/10/2020 9:02:47 AM

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Job ID: 500-191135-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative 500-191135-1

Comments

No additional comments.

Receipt

The samples were received on 11/14/2020 10:10 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.2° C.

Receipt Exceptions

Received nitric preserved containers metals analysis and HCL voa vials for VOCs. Logged methods.

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. No time on COC, logged times per container labels.

One or more containers for the following sample(s) was received broken or leaking: Sample#5 "Bldg 1 Liquid" one HCL voa vial received broken

GC/MS VOA

Method 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: Bldg 1 Sludge (500-191135-4), Bldg 10 Liquid (500-191135-6), Bldg 10 Sludge (500-191135-7) and Bldg 10 Composite (500-191135-8). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The following sample required a dilution due to the nature of the sample matrix: Bldg 1 Sludge (500-191135-4). 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 8270D: The following samples contained one base surrogate outside acceptance limits: Bldg 10 Sludge (500-191135-7). The laboratory's SOP allows one base surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

Method 8270D: The following samples were diluted due to the nature of the sample matrix: Bldg 2 Liquid (500-191135-1), Bldg 2 Composite (500-191135-3), Bldg 1 Sludge (500-191135-4), Bldg 1 Liquid (500-191135-5), Bldg 10 Liquid (500-191135-6), Bldg 10 Sludge (500-191135-7) and Bldg 10 Composite (500-191135-8). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

LCMS

Method 8330A: Surrogate recovery for the following samples were outside control limits: Bldg 2 Liquid (500-191135-1), Bldg 2 Composite (500-191135-3), Bldg 1 Liquid (500-191135-5), Bldg 10 Liquid (500-191135-6) and Bldg 10 Composite (500-191135-8). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8330A: Surrogate recovery for the following samples were outside control limits: Bldg 2 Sludge (500-191135-2), Bldg 1 Sludge (500-191135-4), Bldg 10 Sludge (500-191135-7), (500-191135-F-4-E MS) and (500-191135-F-4-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed. preparation batch 280-517978 and 280-518262 and analytical batch 280-518936 8330

Method 8330A: The %RPD between the primary and confirmation column exceeded for the following sample: Bldg 10 Sludge

Case Narrative

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Job ID: 500-191135-1 (Continued)

Laboratory: Eurofins TestAmerica, Chicago (Continued)

(500-191135-7). The lower results have been quantified and reported. preparation batch 280-517978 and 280-518262 and analytical batch 280-518936 8330

Method 8330A: Due to matrix issues, analyte could have been incorrectly identified. Bldg 2 Sludge (500-191135-2), Bldg 1 Sludge (500-191135-4), Bldg 10 Sludge (500-191135-7), (500-191135-F-4-E MS) and (500-191135-F-4-F MSD) preparation batch 280-517978 and 280-518262 and analytical batch 280-518936 8330

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 280-517449. Method: 3535/8330A/8330B_DOD5 Batch: 517449

Method 3535: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: Bldg 2 Composite (500-191135-3), Bldg 10 Liquid (500-191135-6) and Bldg 10 Composite (500-191135-8). Percent recoveries are based on the amount spiked. Method: 3535/8330A Batch: 517449

Method 3535: The following samples were received outside of holding time due to a shipping delay from weekend arrivals: Bldg 2 Liquid (500-191135-1), Bldg 2 Composite (500-191135-3), Bldg 1 Liquid (500-191135-5), Bldg 10 Liquid (500-191135-6) and Bldg 10 Composite (500-191135-8). Method: 3535/8330A Batch: 517449

Method Prep/Air Dry: Sample matrix is mostly water with suspended mud. Bldg 2 Sludge (500-191135-2), Bldg 1 Sludge (500-191135-4) and Bldg 10 Sludge (500-191135-7) In preparation batch 280-517978 by dry_sample for 8330A.

Method Prep/Air Dry: Bldg 2 Sludge (500-191135-2), Bldg 1 Sludge (500-191135-4) and Bldg 10 Sludge (500-191135-7) In preparation batch 280-517978 by dry_sample for 8330A.

Method Prep/Air Dry: Sample could not be disaggregated or sieved. The unsieved sample was used to create the aliquots for extraction. Bldg 2 Sludge (500-191135-2) In preparation batch 280-517978 by dry_sample for 8330A.

Method Prep/Air Dry: A deviation from the Standard Operating Procedure (SOP) occurred. Details are as follows: An aliquot of the sample was created by tearing up portions of the dried sample using gloved hands to get the required 2-2.2g mass. Bldg 2 Sludge (500-191135-2) In preparation batch 280-517978 by dry_sample for 8330A.

Method Prep/Air Dry: Samples are abnormally low density. Bldg 2 Sludge (500-191135-2), Bldg 1 Sludge (500-191135-4), Bldg 10 Sludge (500-191135-7), (500-191135-F-4 MS) and (500-191135-F-4 MSD) In preparation batch 280-517978 by dry_sample for 8330A.

Method Prep/Air Dry: The following samples were air dried and sieved per the procedure; however, the samples contained material that would not pass through the sieve: Bldg 1 Sludge (500-191135-4), Bldg 10 Sludge (500-191135-7), (500-191135-F-4 MS) and (500-191135-F-4 MSD). This material was removed and not extracted. The material removed is described in the aliquot spreadsheet. In preparation batch 280-517978 by dry_sample for 8330A.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 2 Liquid

Lab Sample ID: 500-191135-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.53		0.50	0.15	ug/L	1		8260B	Total/NA
Barium	26		2.5	0.73	ug/L	1		6020A	Total Recoverable
Cadmium	0.79		0.50	0.17	ug/L	1		6020A	Total Recoverable
Chromium	1.6	J	5.0	1.1	ug/L	1		6020A	Total Recoverable
Lead	44	B	0.50	0.19	ug/L	1		6020A	Total Recoverable
Silver	6.8		0.50	0.12	ug/L	1		6020A	Total Recoverable

Client Sample ID: Bldg 2 Sludge

Lab Sample ID: 500-191135-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4100		1700	970	ug/Kg	50	☼	8260B	Total/NA
Barium	190		67	7.6	mg/Kg	1	☼	6010C	Total/NA
Cadmium	6.0	J B	13	2.4	mg/Kg	1	☼	6010C	Total/NA
Chromium	66	J B	67	33	mg/Kg	1	☼	6010C	Total/NA
Lead	410		33	15	mg/Kg	1	☼	6010C	Total/NA
Silver	690		33	8.6	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: Bldg 2 Composite

Lab Sample ID: 500-191135-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.86		0.50	0.18	ug/L	1		8260B	Total/NA
Toluene	1.7		0.50	0.15	ug/L	1		8260B	Total/NA
Arsenic	1.8		1.0	0.23	ug/L	1		6020A	Total Recoverable
Barium	330		13	3.7	ug/L	5		6020A	Total Recoverable
Cadmium	7.4		2.5	0.84	ug/L	5		6020A	Total Recoverable
Chromium	38		25	5.7	ug/L	5		6020A	Total Recoverable
Lead	1000	B	2.5	0.93	ug/L	5		6020A	Total Recoverable
Selenium	2.9		2.5	0.98	ug/L	1		6020A	Total Recoverable
Silver	340		2.5	0.58	ug/L	5		6020A	Total Recoverable
Mercury	0.22		0.20	0.098	ug/L	1		7470A	Total/NA

Client Sample ID: Bldg 1 Sludge

Lab Sample ID: 500-191135-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	18000		1600	590	ug/Kg	50	☼	8260B	Total/NA
p-Isopropyltoluene	2200		1600	590	ug/Kg	50	☼	8260B	Total/NA
Toluene - DL	890000		4000	2400	ug/Kg	500	☼	8260B	Total/NA
Barium	47		16	1.8	mg/Kg	1	☼	6010C	Total/NA
Cadmium	1.8	J B	3.2	0.58	mg/Kg	1	☼	6010C	Total/NA
Chromium	15	J B	16	7.9	mg/Kg	1	☼	6010C	Total/NA
Lead	18		8.0	3.7	mg/Kg	1	☼	6010C	Total/NA
Silver	9.7		8.0	2.1	mg/Kg	1	☼	6010C	Total/NA
Barium	0.069	J	0.50	0.050	mg/L	1		6010C	TCLP

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 1 Sludge (Continued)

Lab Sample ID: 500-191135-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	16		0.51	0.17	mg/Kg	2	☼	7471B	Total/NA

Client Sample ID: Bldg 1 Liquid

Lab Sample ID: 500-191135-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	8.7		1.0	0.36	ug/L	1		8260B	Total/NA
Benzene	0.46	J	0.50	0.15	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	1.3		1.0	0.36	ug/L	1		8260B	Total/NA
Toluene	85		0.50	0.15	ug/L	1		8260B	Total/NA
Arsenic	0.50	J	1.0	0.23	ug/L	1		6020A	Total Recoverable
Barium	25		2.5	0.73	ug/L	1		6020A	Total Recoverable
Lead	4.0	B	0.50	0.19	ug/L	1		6020A	Total Recoverable
Silver	0.70		0.50	0.12	ug/L	1		6020A	Total Recoverable

Client Sample ID: Bldg 10 Liquid

Lab Sample ID: 500-191135-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	1.3		1.0	0.36	ug/L	1		8260B	Total/NA
Toluene - DL	210		5.0	1.5	ug/L	10		8260B	Total/NA
Arsenic	1.2		1.0	0.23	ug/L	1		6020A	Total Recoverable
Barium	160		2.5	0.73	ug/L	1		6020A	Total Recoverable
Cadmium	0.40	J	0.50	0.17	ug/L	1		6020A	Total Recoverable
Chromium	4.2	J	5.0	1.1	ug/L	1		6020A	Total Recoverable
Lead	190	B	2.5	0.93	ug/L	5		6020A	Total Recoverable
Silver	0.20	J	0.50	0.12	ug/L	1		6020A	Total Recoverable

Client Sample ID: Bldg 10 Sludge

Lab Sample ID: 500-191135-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	3300	J	4600	1700	ug/Kg	50	☼	8260B	Total/NA
Toluene - DL	1100000		11000	6700	ug/Kg	500	☼	8260B	Total/NA
Barium	960		38	4.4	mg/Kg	1	☼	6010C	Total/NA
Cadmium	4.2	J B	7.7	1.4	mg/Kg	1	☼	6010C	Total/NA
Chromium	330	B	38	19	mg/Kg	1	☼	6010C	Total/NA
Lead	4300		19	8.9	mg/Kg	1	☼	6010C	Total/NA
Barium	0.22	J	0.50	0.050	mg/L	1		6010C	TCLP
Lead	0.30		0.050	0.0075	mg/L	1		6010C	TCLP
Mercury	0.47	J	0.73	0.24	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: Bldg 10 Composite

Lab Sample ID: 500-191135-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	3.7	J	5.0	1.8	ug/L	5		8260B	Total/NA
Toluene - DL	1200		25	7.6	ug/L	50		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 10 Composite (Continued)

Lab Sample ID: 500-191135-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.4		1.0	0.23	ug/L	1		6020A	Total Recoverable
Barium	2100		2.5	0.73	ug/L	1		6020A	Total Recoverable
Cadmium	4.4		0.50	0.17	ug/L	1		6020A	Total Recoverable
Chromium	660		5.0	1.1	ug/L	1		6020A	Total Recoverable
Lead	8600	B	2.5	0.93	ug/L	5		6020A	Total Recoverable
Selenium	2.0	J	2.5	0.98	ug/L	1		6020A	Total Recoverable
Silver	10		0.50	0.12	ug/L	1		6020A	Total Recoverable
Mercury	3.1		0.20	0.098	ug/L	1		7470A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago



Method Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
8330A	Nitroaromatics and Nitramines	SW846	TAL DEN
6010C	Metals (ICP)	SW846	TAL CHI
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
1311	TCLP Extraction	SW846	TAL CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL CHI
3010A	Preparation, Total Metals	SW846	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL CHI
3535	Solid-Phase Extraction (SPE)	SW846	TAL DEN
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI
7470A	Preparation, Mercury	SW846	TAL CHI
7471B	Preparation, Mercury	SW846	TAL CHI
Prep/Air Dry	Preparation, Air drying	None	TAL DEN
Sieve/Ultrasoni	Sieve and Ultrasonic Water Bath Extraction (Explosives)	SW846	TAL DEN

Protocol References:

EPA = US Environmental Protection Agency

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-191135-1	Bldg 2 Liquid	Water	11/12/20 14:45	11/14/20 10:10	
500-191135-2	Bldg 2 Sludge	Solid	11/12/20 15:00	11/14/20 10:10	
500-191135-3	Bldg 2 Composite	Water	11/12/20 15:10	11/14/20 10:10	
500-191135-4	Bldg 1 Sludge	Solid	11/12/20 15:30	11/14/20 10:10	
500-191135-5	Bldg 1 Liquid	Water	11/12/20 15:40	11/14/20 10:10	
500-191135-6	Bldg 10 Liquid	Water	11/12/20 15:55	11/14/20 10:10	
500-191135-7	Bldg 10 Sludge	Solid	11/12/20 16:10	11/14/20 10:10	
500-191135-8	Bldg 10 Composite	Water	11/12/20 16:20	11/14/20 10:10	

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 2 Liquid

Lab Sample ID: 500-191135-1

Date Collected: 11/12/20 14:45

Matrix: Water

Date Received: 11/14/20 10:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/25/20 12:31	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/25/20 12:31	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/25/20 12:31	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/25/20 12:31	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/25/20 12:31	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/25/20 12:31	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/25/20 12:31	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/25/20 12:31	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/25/20 12:31	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/25/20 12:31	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/25/20 12:31	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/25/20 12:31	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/25/20 12:31	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/25/20 12:31	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/25/20 12:31	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/25/20 12:31	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/25/20 12:31	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/25/20 12:31	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/25/20 12:31	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/25/20 12:31	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/25/20 12:31	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/25/20 12:31	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/25/20 12:31	1
Benzene	<0.15		0.50	0.15	ug/L			11/25/20 12:31	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/25/20 12:31	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/25/20 12:31	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/25/20 12:31	1
Bromoform	<0.48		1.0	0.48	ug/L			11/25/20 12:31	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/25/20 12:31	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/25/20 12:31	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/25/20 12:31	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/25/20 12:31	1
Chloroform	<0.37		2.0	0.37	ug/L			11/25/20 12:31	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/25/20 12:31	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/25/20 12:31	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/25/20 12:31	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/25/20 12:31	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/25/20 12:31	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/25/20 12:31	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/25/20 12:31	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/25/20 12:31	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/25/20 12:31	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/25/20 12:31	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/25/20 12:31	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/25/20 12:31	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/25/20 12:31	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/25/20 12:31	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/25/20 12:31	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/25/20 12:31	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 2 Liquid

Lab Sample ID: 500-191135-1

Date Collected: 11/12/20 14:45

Matrix: Water

Date Received: 11/14/20 10:10

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/25/20 12:31	1
Styrene	<0.39		1.0	0.39	ug/L			11/25/20 12:31	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/25/20 12:31	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/25/20 12:31	1
Toluene	0.53		0.50	0.15	ug/L			11/25/20 12:31	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/25/20 12:31	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/25/20 12:31	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/25/20 12:31	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/25/20 12:31	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/25/20 12:31	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/25/20 12:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		75 - 126					11/25/20 12:31	1
4-Bromofluorobenzene (Surr)	115		72 - 124					11/25/20 12:31	1
Dibromofluoromethane (Surr)	92		75 - 120					11/25/20 12:31	1
Toluene-d8 (Surr)	104		75 - 120					11/25/20 12:31	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<1.4		9.0	1.4	ug/L		11/18/20 07:21	11/20/20 03:42	5
2-Methylnaphthalene	<0.29		9.0	0.29	ug/L		11/18/20 07:21	11/20/20 03:42	5
Acenaphthene	<1.4		4.5	1.4	ug/L		11/18/20 07:21	11/20/20 03:42	5
Acenaphthylene	<1.2		4.5	1.2	ug/L		11/18/20 07:21	11/20/20 03:42	5
Anthracene	<1.5		4.5	1.5	ug/L		11/18/20 07:21	11/20/20 03:42	5
Benzo[a]anthracene	<0.25		0.90	0.25	ug/L		11/18/20 07:21	11/20/20 03:42	5
Benzo[a]pyrene	<0.44		0.90	0.44	ug/L		11/18/20 07:21	11/20/20 03:42	5
Benzo[b]fluoranthene	<0.36		0.90	0.36	ug/L		11/18/20 07:21	11/20/20 03:42	5
Benzo[g,h,i]perylene	<1.7		4.5	1.7	ug/L		11/18/20 07:21	11/20/20 03:42	5
Benzo[k]fluoranthene	<0.29		0.90	0.29	ug/L		11/18/20 07:21	11/20/20 03:42	5
Chrysene	<0.31		0.90	0.31	ug/L		11/18/20 07:21	11/20/20 03:42	5
Dibenz(a,h)anthracene	<0.23		1.3	0.23	ug/L		11/18/20 07:21	11/20/20 03:42	5
Fluoranthene	<2.0		4.5	2.0	ug/L		11/18/20 07:21	11/20/20 03:42	5
Fluorene	<1.1		4.5	1.1	ug/L		11/18/20 07:21	11/20/20 03:42	5
Indeno[1,2,3-cd]pyrene	<0.34		0.90	0.34	ug/L		11/18/20 07:21	11/20/20 03:42	5
Naphthalene	<1.4		4.5	1.4	ug/L		11/18/20 07:21	11/20/20 03:42	5
Phenanthrene	<1.4		4.5	1.4	ug/L		11/18/20 07:21	11/20/20 03:42	5
Pyrene	<1.9		4.5	1.9	ug/L		11/18/20 07:21	11/20/20 03:42	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	62		34 - 110				11/18/20 07:21	11/20/20 03:42	5
Nitrobenzene-d5 (Surr)	59		36 - 120				11/18/20 07:21	11/20/20 03:42	5
Terphenyl-d14 (Surr)	90		40 - 145				11/18/20 07:21	11/20/20 03:42	5

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 2 Liquid

Lab Sample ID: 500-191135-1

Date Collected: 11/12/20 14:45

Matrix: Water

Date Received: 11/14/20 10:10

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.23		1.0	0.23	ug/L		11/20/20 08:19	11/23/20 17:59	1
Barium	26		2.5	0.73	ug/L		11/20/20 08:19	11/23/20 17:59	1
Cadmium	0.79		0.50	0.17	ug/L		11/20/20 08:19	11/23/20 17:59	1
Chromium	1.6	J	5.0	1.1	ug/L		11/20/20 08:19	11/23/20 17:59	1
Lead	44	B	0.50	0.19	ug/L		11/20/20 08:19	11/23/20 17:59	1
Selenium	<0.98		2.5	0.98	ug/L		11/20/20 08:19	11/23/20 17:59	1
Silver	6.8		0.50	0.12	ug/L		11/20/20 08:19	11/23/20 17:59	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		11/24/20 09:35	11/25/20 09:52	1



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 2 Sludge

Lab Sample ID: 500-191135-2

Date Collected: 11/12/20 15:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 1.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<3100		6600	3100	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
1,1,1-Trichloroethane	<2500		6600	2500	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
1,1,2,2-Tetrachloroethane	<2600		6600	2600	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
1,1,2-Trichloroethane	<2300		6600	2300	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
1,1-Dichloroethane	<2700		6600	2700	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
1,1-Dichloroethene	<2600		6600	2600	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
1,1-Dichloropropene	<2000		6600	2000	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
1,2,3-Trichlorobenzene	<3000		6600	3000	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
1,2,3-Trichloropropane	<2700		13000	2700	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
1,2,4-Trichlorobenzene	<2300		6600	2300	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
1,2,4-Trimethylbenzene	<2400		6600	2400	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
1,2-Dibromo-3-Chloropropane	<13000		33000	13000	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
1,2-Dibromoethane	<2600		6600	2600	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
1,2-Dichlorobenzene	<2200		6600	2200	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
1,2-Dichloroethane	<2600		6600	2600	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
1,2-Dichloropropane	<2800		6600	2800	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
1,3,5-Trimethylbenzene	<2500		6600	2500	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
1,3-Dichlorobenzene	<2700		6600	2700	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
1,3-Dichloropropane	<2400		6600	2400	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
1,4-Dichlorobenzene	<2400		6600	2400	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
2,2-Dichloropropane	<2900		6600	2900	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
2-Chlorotoluene	<2100		6600	2100	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
4-Chlorotoluene	<2300		6600	2300	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Benzene	4100		1700	970	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Bromobenzene	<2400		6600	2400	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Bromochloromethane	<2800		6600	2800	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Bromodichloromethane	<2500		6600	2500	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Bromoform	<3200		6600	3200	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Bromomethane	<5300		20000	5300	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Carbon tetrachloride	<2500		6600	2500	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Chlorobenzene	<2600		6600	2600	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Chloroethane	<3300		6600	3300	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Chloroform	<2500		13000	2500	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Chloromethane	<2100		6600	2100	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
cis-1,2-Dichloroethene	<2700		6600	2700	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
cis-1,3-Dichloropropene	<2800		6600	2800	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Dibromochloromethane	<3200		6600	3200	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Dibromomethane	<1800		6600	1800	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Dichlorodifluoromethane	<4500		20000	4500	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Ethylbenzene	<1200		1700	1200	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Hexachlorobutadiene	<3000		6600	3000	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Isopropyl ether	<1800		6600	1800	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Isopropylbenzene	<2500		6600	2500	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Methyl tert-butyl ether	<2600		6600	2600	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Methylene Chloride	<11000		33000	11000	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Naphthalene	<2200		6600	2200	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
n-Butylbenzene	<2600		6600	2600	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
N-Propylbenzene	<2700		6600	2700	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
p-Isopropyltoluene	<2400		6600	2400	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 2 Sludge

Lab Sample ID: 500-191135-2

Date Collected: 11/12/20 15:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 1.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<2600		6600	2600	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Styrene	<2600		6600	2600	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
tert-Butylbenzene	<2600		6600	2600	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Tetrachloroethene	<2500		6600	2500	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Toluene	<980		1700	980	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
trans-1,2-Dichloroethene	<2300		6600	2300	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
trans-1,3-Dichloropropene	<2400		6600	2400	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Trichloroethene	<1100		3300	1100	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Trichlorofluoromethane	<2800		6600	2800	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Vinyl chloride	<1700		6600	1700	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50
Xylenes, Total	<1500		3300	1500	ug/Kg	☼	11/19/20 00:19	11/25/20 11:17	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		75 - 126	11/19/20 00:19	11/25/20 11:17	50
4-Bromofluorobenzene (Surr)	111		72 - 124	11/19/20 00:19	11/25/20 11:17	50
Dibromofluoromethane (Surr)	89		75 - 120	11/19/20 00:19	11/25/20 11:17	50
Toluene-d8 (Surr)	103		75 - 120	11/19/20 00:19	11/25/20 11:17	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<540		4400	540	ug/Kg	☼	11/25/20 06:55	11/25/20 23:53	1
2-Methylnaphthalene	<410		4400	410	ug/Kg	☼	11/25/20 06:55	11/25/20 23:53	1
Acenaphthene	<400		2200	400	ug/Kg	☼	11/25/20 06:55	11/25/20 23:53	1
Acenaphthylene	<290		2200	290	ug/Kg	☼	11/25/20 06:55	11/25/20 23:53	1
Anthracene	<370		2200	370	ug/Kg	☼	11/25/20 06:55	11/25/20 23:53	1
Benzo[a]anthracene	<300		2200	300	ug/Kg	☼	11/25/20 06:55	11/25/20 23:53	1
Benzo[a]pyrene	<430		2200	430	ug/Kg	☼	11/25/20 06:55	11/25/20 23:53	1
Benzo[b]fluoranthene	<480		2200	480	ug/Kg	☼	11/25/20 06:55	11/25/20 23:53	1
Benzo[g,h,i]perylene	<710		2200	710	ug/Kg	☼	11/25/20 06:55	11/25/20 23:53	1
Benzo[k]fluoranthene	<650		2200	650	ug/Kg	☼	11/25/20 06:55	11/25/20 23:53	1
Chrysene	<600		2200	600	ug/Kg	☼	11/25/20 06:55	11/25/20 23:53	1
Dibenz(a,h)anthracene	<430		2200	430	ug/Kg	☼	11/25/20 06:55	11/25/20 23:53	1
Fluoranthene	<410		2200	410	ug/Kg	☼	11/25/20 06:55	11/25/20 23:53	1
Fluorene	<310		2200	310	ug/Kg	☼	11/25/20 06:55	11/25/20 23:53	1
Indeno[1,2,3-cd]pyrene	<570		2200	570	ug/Kg	☼	11/25/20 06:55	11/25/20 23:53	1
Naphthalene	<340		2200	340	ug/Kg	☼	11/25/20 06:55	11/25/20 23:53	1
Phenanthrene	<310		2200	310	ug/Kg	☼	11/25/20 06:55	11/25/20 23:53	1
Pyrene	<440		2200	440	ug/Kg	☼	11/25/20 06:55	11/25/20 23:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	67		43 - 145	11/25/20 06:55	11/25/20 23:53	1
Nitrobenzene-d5 (Surr)	52		37 - 147	11/25/20 06:55	11/25/20 23:53	1
Terphenyl-d14 (Surr)	85		42 - 157	11/25/20 06:55	11/25/20 23:53	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 2 Sludge

Lab Sample ID: 500-191135-2

Date Collected: 11/12/20 15:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 1.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<23		67	23	mg/Kg	☆	11/23/20 18:08	11/24/20 18:26	1
Barium	190		67	7.6	mg/Kg	☆	11/23/20 18:08	11/24/20 18:26	1
Cadmium	6.0	J B	13	2.4	mg/Kg	☆	11/23/20 18:08	11/24/20 18:26	1
Chromium	66	J B	67	33	mg/Kg	☆	11/23/20 18:08	11/24/20 18:26	1
Lead	410		33	15	mg/Kg	☆	11/23/20 18:08	11/24/20 18:26	1
Selenium	<39	F1	67	39	mg/Kg	☆	11/23/20 18:08	11/24/20 18:26	1
Silver	690		33	8.6	mg/Kg	☆	11/23/20 18:08	11/24/20 18:26	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		11/25/20 16:54	11/27/20 11:02	1
Barium	<0.050		0.50	0.050	mg/L		11/25/20 16:54	11/27/20 11:02	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		11/25/20 16:54	11/27/20 11:02	1
Chromium	<0.010		0.025	0.010	mg/L		11/25/20 16:54	11/27/20 11:02	1
Lead	<0.0075		0.050	0.0075	mg/L		11/25/20 16:54	11/27/20 11:02	1
Selenium	<0.020		0.050	0.020	mg/L		11/25/20 16:54	11/27/20 11:02	1
Silver	<0.010		0.025	0.010	mg/L		11/25/20 16:54	11/27/20 11:02	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/27/20 09:50	11/30/20 08:17	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.36		1.1	0.36	mg/Kg	☆	11/25/20 14:00	11/27/20 07:05	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 2 Composite

Lab Sample ID: 500-191135-3

Date Collected: 11/12/20 15:10

Matrix: Water

Date Received: 11/14/20 10:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/25/20 12:55	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/25/20 12:55	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/25/20 12:55	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/25/20 12:55	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/25/20 12:55	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/25/20 12:55	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/25/20 12:55	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/25/20 12:55	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/25/20 12:55	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/25/20 12:55	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/25/20 12:55	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/25/20 12:55	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/25/20 12:55	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/25/20 12:55	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/25/20 12:55	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/25/20 12:55	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/25/20 12:55	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/25/20 12:55	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/25/20 12:55	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/25/20 12:55	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/25/20 12:55	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/25/20 12:55	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/25/20 12:55	1
Benzene	<0.15		0.50	0.15	ug/L			11/25/20 12:55	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/25/20 12:55	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/25/20 12:55	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/25/20 12:55	1
Bromoform	<0.48		1.0	0.48	ug/L			11/25/20 12:55	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/25/20 12:55	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/25/20 12:55	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/25/20 12:55	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/25/20 12:55	1
Chloroform	<0.37		2.0	0.37	ug/L			11/25/20 12:55	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/25/20 12:55	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/25/20 12:55	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/25/20 12:55	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/25/20 12:55	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/25/20 12:55	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/25/20 12:55	1
Ethylbenzene	0.86		0.50	0.18	ug/L			11/25/20 12:55	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/25/20 12:55	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/25/20 12:55	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/25/20 12:55	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/25/20 12:55	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/25/20 12:55	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/25/20 12:55	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/25/20 12:55	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/25/20 12:55	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/25/20 12:55	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 2 Composite

Lab Sample ID: 500-191135-3

Date Collected: 11/12/20 15:10

Matrix: Water

Date Received: 11/14/20 10:10

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/25/20 12:55	1
Styrene	<0.39		1.0	0.39	ug/L			11/25/20 12:55	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/25/20 12:55	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/25/20 12:55	1
Toluene	1.7		0.50	0.15	ug/L			11/25/20 12:55	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/25/20 12:55	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/25/20 12:55	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/25/20 12:55	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/25/20 12:55	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/25/20 12:55	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/25/20 12:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		75 - 126					11/25/20 12:55	1
4-Bromofluorobenzene (Surr)	117		72 - 124					11/25/20 12:55	1
Dibromofluoromethane (Surr)	95		75 - 120					11/25/20 12:55	1
Toluene-d8 (Surr)	101		75 - 120					11/25/20 12:55	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<1.5		9.8	1.5	ug/L		11/18/20 07:21	11/20/20 04:08	5
2-Methylnaphthalene	<0.32		9.8	0.32	ug/L		11/18/20 07:21	11/20/20 04:08	5
Acenaphthene	<1.5		4.9	1.5	ug/L		11/18/20 07:21	11/20/20 04:08	5
Acenaphthylene	<1.3		4.9	1.3	ug/L		11/18/20 07:21	11/20/20 04:08	5
Anthracene	<1.6		4.9	1.6	ug/L		11/18/20 07:21	11/20/20 04:08	5
Benzo[a]anthracene	<0.28		0.98	0.28	ug/L		11/18/20 07:21	11/20/20 04:08	5
Benzo[a]pyrene	<0.48		0.98	0.48	ug/L		11/18/20 07:21	11/20/20 04:08	5
Benzo[b]fluoranthene	<0.39		0.98	0.39	ug/L		11/18/20 07:21	11/20/20 04:08	5
Benzo[g,h,i]perylene	<1.8		4.9	1.8	ug/L		11/18/20 07:21	11/20/20 04:08	5
Benzo[k]fluoranthene	<0.31		0.98	0.31	ug/L		11/18/20 07:21	11/20/20 04:08	5
Chrysene	<0.33		0.98	0.33	ug/L		11/18/20 07:21	11/20/20 04:08	5
Dibenz(a,h)anthracene	<0.25		1.5	0.25	ug/L		11/18/20 07:21	11/20/20 04:08	5
Fluoranthene	<2.2		4.9	2.2	ug/L		11/18/20 07:21	11/20/20 04:08	5
Fluorene	<1.2		4.9	1.2	ug/L		11/18/20 07:21	11/20/20 04:08	5
Indeno[1,2,3-cd]pyrene	<0.36		0.98	0.36	ug/L		11/18/20 07:21	11/20/20 04:08	5
Naphthalene	<1.5		4.9	1.5	ug/L		11/18/20 07:21	11/20/20 04:08	5
Phenanthrene	<1.5		4.9	1.5	ug/L		11/18/20 07:21	11/20/20 04:08	5
Pyrene	<2.1		4.9	2.1	ug/L		11/18/20 07:21	11/20/20 04:08	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	62		34 - 110				11/18/20 07:21	11/20/20 04:08	5
Nitrobenzene-d5 (Surr)	55		36 - 120				11/18/20 07:21	11/20/20 04:08	5
Terphenyl-d14 (Surr)	86		40 - 145				11/18/20 07:21	11/20/20 04:08	5

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 2 Composite
 Date Collected: 11/12/20 15:10
 Date Received: 11/14/20 10:10

Lab Sample ID: 500-191135-3
 Matrix: Water

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.8		1.0	0.23	ug/L		11/20/20 08:19	11/24/20 15:07	1
Barium	330		13	3.7	ug/L		11/20/20 08:19	11/23/20 18:02	5
Cadmium	7.4		2.5	0.84	ug/L		11/20/20 08:19	11/23/20 18:02	5
Chromium	38		25	5.7	ug/L		11/20/20 08:19	11/23/20 18:02	5
Lead	1000	B	2.5	0.93	ug/L		11/20/20 08:19	11/23/20 18:02	5
Selenium	2.9		2.5	0.98	ug/L		11/20/20 08:19	11/24/20 15:07	1
Silver	340		2.5	0.58	ug/L		11/20/20 08:19	11/23/20 18:02	5

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.22		0.20	0.098	ug/L		11/24/20 09:35	11/25/20 09:54	1



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 1 Sludge

Lab Sample ID: 500-191135-4

Date Collected: 11/12/20 15:30

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 6.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<750		1600	750	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
1,1,1-Trichloroethane	<620		1600	620	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
1,1,2,2-Tetrachloroethane	<640		1600	640	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
1,1,2-Trichloroethane	<570		1600	570	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
1,1-Dichloroethane	<660		1600	660	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
1,1-Dichloroethene	<630		1600	630	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
1,1-Dichloropropene	<480		1600	480	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
1,2,3-Trichlorobenzene	<740		1600	740	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
1,2,3-Trichloropropane	<670		3200	670	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
1,2,4-Trichlorobenzene	<550		1600	550	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
1,2,4-Trimethylbenzene	<580		1600	580	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
1,2-Dibromo-3-Chloropropane	<3200		8100	3200	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
1,2-Dibromoethane	<620		1600	620	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
1,2-Dichlorobenzene	<540		1600	540	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
1,2-Dichloroethane	<630		1600	630	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
1,2-Dichloropropane	<690		1600	690	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
1,3,5-Trimethylbenzene	<620		1600	620	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
1,3-Dichlorobenzene	<650		1600	650	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
1,3-Dichloropropane	<590		1600	590	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
1,4-Dichlorobenzene	18000		1600	590	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
2,2-Dichloropropane	<720		1600	720	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
2-Chlorotoluene	<510		1600	510	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
4-Chlorotoluene	<570		1600	570	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Benzene	<240		400	240	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Bromobenzene	<580		1600	580	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Bromochloromethane	<690		1600	690	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Bromodichloromethane	<600		1600	600	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Bromoform	<780		1600	780	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Bromomethane	<1300		4900	1300	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Carbon tetrachloride	<620		1600	620	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Chlorobenzene	<620		1600	620	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Chloroethane	<820		1600	820	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Chloroform	<600		3200	600	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Chloromethane	<520		1600	520	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
cis-1,2-Dichloroethene	<660		1600	660	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
cis-1,3-Dichloropropene	<670		1600	670	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Dibromochloromethane	<790		1600	790	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Dibromomethane	<440		1600	440	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Dichlorodifluoromethane	<1100		4900	1100	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Ethylbenzene	<300		400	300	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Hexachlorobutadiene	<720		1600	720	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Isopropyl ether	<450		1600	450	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Isopropylbenzene	<620		1600	620	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Methyl tert-butyl ether	<640		1600	640	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Methylene Chloride	<2600		8100	2600	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Naphthalene	<540		1600	540	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
n-Butylbenzene	<630		1600	630	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
N-Propylbenzene	<670		1600	670	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
p-Isopropyltoluene	2200		1600	590	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 1 Sludge

Lab Sample ID: 500-191135-4

Date Collected: 11/12/20 15:30

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 6.0

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<640		1600	640	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Styrene	<620		1600	620	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
tert-Butylbenzene	<640		1600	640	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Tetrachloroethene	<600		1600	600	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
trans-1,2-Dichloroethene	<570		1600	570	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
trans-1,3-Dichloropropene	<590		1600	590	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Trichloroethene	<270		810	270	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Trichlorofluoromethane	<690		1600	690	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Vinyl chloride	<420		1600	420	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50
Xylenes, Total	<360		810	360	ug/Kg	☼	11/19/20 00:20	11/25/20 11:41	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		75 - 126	11/19/20 00:20	11/25/20 11:41	50
4-Bromofluorobenzene (Surr)	110		72 - 124	11/19/20 00:20	11/25/20 11:41	50
Dibromofluoromethane (Surr)	87		75 - 120	11/19/20 00:20	11/25/20 11:41	50
Toluene-d8 (Surr)	104		75 - 120	11/19/20 00:20	11/25/20 11:41	50

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	890000		4000	2400	ug/Kg	☼	11/19/20 00:20	11/25/20 12:06	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		75 - 126	11/19/20 00:20	11/25/20 12:06	500
4-Bromofluorobenzene (Surr)	116		72 - 124	11/19/20 00:20	11/25/20 12:06	500
Dibromofluoromethane (Surr)	89		75 - 120	11/19/20 00:20	11/25/20 12:06	500
Toluene-d8 (Surr)	103		75 - 120	11/19/20 00:20	11/25/20 12:06	500

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<2700		22000	2700	ug/Kg	☼	11/25/20 06:55	11/26/20 00:49	20
2-Methylnaphthalene	<2000		22000	2000	ug/Kg	☼	11/25/20 06:55	11/26/20 00:49	20
Acenaphthene	<2000		11000	2000	ug/Kg	☼	11/25/20 06:55	11/26/20 00:49	20
Acenaphthylene	<1500		11000	1500	ug/Kg	☼	11/25/20 06:55	11/26/20 00:49	20
Anthracene	<1800		11000	1800	ug/Kg	☼	11/25/20 06:55	11/26/20 00:49	20
Benzo[a]anthracene	<1500		11000	1500	ug/Kg	☼	11/25/20 06:55	11/26/20 00:49	20
Benzo[a]pyrene	<2100		11000	2100	ug/Kg	☼	11/25/20 06:55	11/26/20 00:49	20
Benzo[b]fluoranthene	<2400		11000	2400	ug/Kg	☼	11/25/20 06:55	11/26/20 00:49	20
Benzo[g,h,i]perylene	<3500		11000	3500	ug/Kg	☼	11/25/20 06:55	11/26/20 00:49	20
Benzo[k]fluoranthene	<3200		11000	3200	ug/Kg	☼	11/25/20 06:55	11/26/20 00:49	20
Chrysene	<3000		11000	3000	ug/Kg	☼	11/25/20 06:55	11/26/20 00:49	20
Dibenz(a,h)anthracene	<2100		11000	2100	ug/Kg	☼	11/25/20 06:55	11/26/20 00:49	20
Fluoranthene	<2000		11000	2000	ug/Kg	☼	11/25/20 06:55	11/26/20 00:49	20
Fluorene	<1500		11000	1500	ug/Kg	☼	11/25/20 06:55	11/26/20 00:49	20
Indeno[1,2,3-cd]pyrene	<2900		11000	2900	ug/Kg	☼	11/25/20 06:55	11/26/20 00:49	20
Naphthalene	<1700		11000	1700	ug/Kg	☼	11/25/20 06:55	11/26/20 00:49	20
Phenanthrene	<1500		11000	1500	ug/Kg	☼	11/25/20 06:55	11/26/20 00:49	20
Pyrene	<2200		11000	2200	ug/Kg	☼	11/25/20 06:55	11/26/20 00:49	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	0	D	43 - 145	11/25/20 06:55	11/26/20 00:49	20
Nitrobenzene-d5 (Surr)	0	D	37 - 147	11/25/20 06:55	11/26/20 00:49	20

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 1 Sludge

Lab Sample ID: 500-191135-4

Date Collected: 11/12/20 15:30

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 6.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	0	D	42 - 157	11/25/20 06:55	11/26/20 00:49	20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<5.5		16	5.5	mg/Kg	☼	11/23/20 18:08	11/24/20 18:42	1
Barium	47		16	1.8	mg/Kg	☼	11/23/20 18:08	11/24/20 18:42	1
Cadmium	1.8	J B	3.2	0.58	mg/Kg	☼	11/23/20 18:08	11/24/20 18:42	1
Chromium	15	J B	16	7.9	mg/Kg	☼	11/23/20 18:08	11/24/20 18:42	1
Lead	18		8.0	3.7	mg/Kg	☼	11/23/20 18:08	11/24/20 18:42	1
Selenium	<9.4		16	9.4	mg/Kg	☼	11/23/20 18:08	11/24/20 18:42	1
Silver	9.7		8.0	2.1	mg/Kg	☼	11/23/20 18:08	11/24/20 18:42	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		11/25/20 16:54	11/27/20 09:50	1
Barium	0.069	J	0.50	0.050	mg/L		11/25/20 16:54	11/27/20 09:50	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		11/25/20 16:54	11/27/20 09:50	1
Chromium	<0.010		0.025	0.010	mg/L		11/25/20 16:54	11/27/20 09:50	1
Lead	<0.0075		0.050	0.0075	mg/L		11/25/20 16:54	11/27/20 09:50	1
Selenium	<0.020		0.050	0.020	mg/L		11/25/20 16:54	11/27/20 09:50	1
Silver	<0.010		0.025	0.010	mg/L		11/25/20 16:54	11/27/20 09:50	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/27/20 09:50	11/30/20 07:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	16		0.51	0.17	mg/Kg	☼	11/25/20 14:00	11/27/20 07:49	2

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 1 Liquid

Lab Sample ID: 500-191135-5

Date Collected: 11/12/20 15:40

Matrix: Water

Date Received: 11/14/20 10:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/25/20 13:21	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/25/20 13:21	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/25/20 13:21	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/25/20 13:21	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/25/20 13:21	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/25/20 13:21	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/25/20 13:21	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/25/20 13:21	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/25/20 13:21	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/25/20 13:21	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/25/20 13:21	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/25/20 13:21	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/25/20 13:21	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/25/20 13:21	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/25/20 13:21	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/25/20 13:21	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/25/20 13:21	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/25/20 13:21	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/25/20 13:21	1
1,4-Dichlorobenzene	8.7		1.0	0.36	ug/L			11/25/20 13:21	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/25/20 13:21	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/25/20 13:21	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/25/20 13:21	1
Benzene	0.46 J		0.50	0.15	ug/L			11/25/20 13:21	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/25/20 13:21	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/25/20 13:21	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/25/20 13:21	1
Bromoform	<0.48		1.0	0.48	ug/L			11/25/20 13:21	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/25/20 13:21	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/25/20 13:21	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/25/20 13:21	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/25/20 13:21	1
Chloroform	<0.37		2.0	0.37	ug/L			11/25/20 13:21	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/25/20 13:21	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/25/20 13:21	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/25/20 13:21	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/25/20 13:21	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/25/20 13:21	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/25/20 13:21	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/25/20 13:21	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/25/20 13:21	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/25/20 13:21	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/25/20 13:21	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/25/20 13:21	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/25/20 13:21	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/25/20 13:21	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/25/20 13:21	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/25/20 13:21	1
p-Isopropyltoluene	1.3		1.0	0.36	ug/L			11/25/20 13:21	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 1 Liquid

Lab Sample ID: 500-191135-5

Date Collected: 11/12/20 15:40

Matrix: Water

Date Received: 11/14/20 10:10

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/25/20 13:21	1
Styrene	<0.39		1.0	0.39	ug/L			11/25/20 13:21	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/25/20 13:21	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/25/20 13:21	1
Toluene	85		0.50	0.15	ug/L			11/25/20 13:21	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/25/20 13:21	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/25/20 13:21	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/25/20 13:21	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/25/20 13:21	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/25/20 13:21	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/25/20 13:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		75 - 126					11/25/20 13:21	1
4-Bromofluorobenzene (Surr)	113		72 - 124					11/25/20 13:21	1
Dibromofluoromethane (Surr)	93		75 - 120					11/25/20 13:21	1
Toluene-d8 (Surr)	102		75 - 120					11/25/20 13:21	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<1.5		9.7	1.5	ug/L		11/18/20 07:21	11/20/20 04:35	5
2-Methylnaphthalene	<0.32		9.7	0.32	ug/L		11/18/20 07:21	11/20/20 04:35	5
Acenaphthene	<1.5		4.8	1.5	ug/L		11/18/20 07:21	11/20/20 04:35	5
Acenaphthylene	<1.3		4.8	1.3	ug/L		11/18/20 07:21	11/20/20 04:35	5
Anthracene	<1.6		4.8	1.6	ug/L		11/18/20 07:21	11/20/20 04:35	5
Benzo[a]anthracene	<0.27		0.97	0.27	ug/L		11/18/20 07:21	11/20/20 04:35	5
Benzo[a]pyrene	<0.48		0.97	0.48	ug/L		11/18/20 07:21	11/20/20 04:35	5
Benzo[b]fluoranthene	<0.39		0.97	0.39	ug/L		11/18/20 07:21	11/20/20 04:35	5
Benzo[g,h,i]perylene	<1.8		4.8	1.8	ug/L		11/18/20 07:21	11/20/20 04:35	5
Benzo[k]fluoranthene	<0.31		0.97	0.31	ug/L		11/18/20 07:21	11/20/20 04:35	5
Chrysene	<0.33		0.97	0.33	ug/L		11/18/20 07:21	11/20/20 04:35	5
Dibenz(a,h)anthracene	<0.25		1.5	0.25	ug/L		11/18/20 07:21	11/20/20 04:35	5
Fluoranthene	<2.2		4.8	2.2	ug/L		11/18/20 07:21	11/20/20 04:35	5
Fluorene	<1.2		4.8	1.2	ug/L		11/18/20 07:21	11/20/20 04:35	5
Indeno[1,2,3-cd]pyrene	<0.36		0.97	0.36	ug/L		11/18/20 07:21	11/20/20 04:35	5
Naphthalene	<1.5		4.8	1.5	ug/L		11/18/20 07:21	11/20/20 04:35	5
Phenanthrene	<1.5		4.8	1.5	ug/L		11/18/20 07:21	11/20/20 04:35	5
Pyrene	<2.1		4.8	2.1	ug/L		11/18/20 07:21	11/20/20 04:35	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	70		34 - 110				11/18/20 07:21	11/20/20 04:35	5
Nitrobenzene-d5 (Surr)	72		36 - 120				11/18/20 07:21	11/20/20 04:35	5
Terphenyl-d14 (Surr)	102		40 - 145				11/18/20 07:21	11/20/20 04:35	5

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 1 Liquid

Lab Sample ID: 500-191135-5

Date Collected: 11/12/20 15:40

Matrix: Water

Date Received: 11/14/20 10:10

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.50	J	1.0	0.23	ug/L		11/20/20 08:19	11/23/20 18:06	1
Barium	25		2.5	0.73	ug/L		11/20/20 08:19	11/23/20 18:06	1
Cadmium	<0.17		0.50	0.17	ug/L		11/20/20 08:19	11/23/20 18:06	1
Chromium	<1.1		5.0	1.1	ug/L		11/20/20 08:19	11/23/20 18:06	1
Lead	4.0	B	0.50	0.19	ug/L		11/20/20 08:19	11/23/20 18:06	1
Selenium	<0.98		2.5	0.98	ug/L		11/20/20 08:19	11/23/20 18:06	1
Silver	0.70		0.50	0.12	ug/L		11/20/20 08:19	11/23/20 18:06	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		11/24/20 09:35	11/25/20 09:56	1



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 10 Liquid

Lab Sample ID: 500-191135-6

Date Collected: 11/12/20 15:55

Matrix: Water

Date Received: 11/14/20 10:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/25/20 13:46	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/25/20 13:46	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/25/20 13:46	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/25/20 13:46	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/25/20 13:46	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/25/20 13:46	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/25/20 13:46	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/25/20 13:46	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/25/20 13:46	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/25/20 13:46	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/25/20 13:46	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/25/20 13:46	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/25/20 13:46	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/25/20 13:46	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/25/20 13:46	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/25/20 13:46	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/25/20 13:46	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/25/20 13:46	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/25/20 13:46	1
1,4-Dichlorobenzene	1.3		1.0	0.36	ug/L			11/25/20 13:46	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/25/20 13:46	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/25/20 13:46	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/25/20 13:46	1
Benzene	<0.15		0.50	0.15	ug/L			11/25/20 13:46	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/25/20 13:46	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/25/20 13:46	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/25/20 13:46	1
Bromoform	<0.48		1.0	0.48	ug/L			11/25/20 13:46	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/25/20 13:46	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/25/20 13:46	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/25/20 13:46	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/25/20 13:46	1
Chloroform	<0.37		2.0	0.37	ug/L			11/25/20 13:46	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/25/20 13:46	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/25/20 13:46	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/25/20 13:46	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/25/20 13:46	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/25/20 13:46	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/25/20 13:46	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/25/20 13:46	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/25/20 13:46	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/25/20 13:46	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/25/20 13:46	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/25/20 13:46	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/25/20 13:46	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/25/20 13:46	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/25/20 13:46	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/25/20 13:46	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/25/20 13:46	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 10 Liquid

Lab Sample ID: 500-191135-6

Date Collected: 11/12/20 15:55

Matrix: Water

Date Received: 11/14/20 10:10

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/25/20 13:46	1
Styrene	<0.39		1.0	0.39	ug/L			11/25/20 13:46	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/25/20 13:46	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/25/20 13:46	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/25/20 13:46	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/25/20 13:46	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/25/20 13:46	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/25/20 13:46	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/25/20 13:46	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/25/20 13:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		75 - 126		11/25/20 13:46	1
4-Bromofluorobenzene (Surr)	114		72 - 124		11/25/20 13:46	1
Dibromofluoromethane (Surr)	94		75 - 120		11/25/20 13:46	1
Toluene-d8 (Surr)	101		75 - 120		11/25/20 13:46	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	210		5.0	1.5	ug/L			11/25/20 14:10	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		75 - 126		11/25/20 14:10	10
4-Bromofluorobenzene (Surr)	115		72 - 124		11/25/20 14:10	10
Dibromofluoromethane (Surr)	93		75 - 120		11/25/20 14:10	10
Toluene-d8 (Surr)	102		75 - 120		11/25/20 14:10	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<1.3		8.5	1.3	ug/L		11/18/20 07:21	11/20/20 05:02	5
2-Methylnaphthalene	<0.28		8.5	0.28	ug/L		11/18/20 07:21	11/20/20 05:02	5
Acenaphthene	<1.3		4.2	1.3	ug/L		11/18/20 07:21	11/20/20 05:02	5
Acenaphthylene	<1.1		4.2	1.1	ug/L		11/18/20 07:21	11/20/20 05:02	5
Anthracene	<1.4		4.2	1.4	ug/L		11/18/20 07:21	11/20/20 05:02	5
Benzo[a]anthracene	<0.24		0.85	0.24	ug/L		11/18/20 07:21	11/20/20 05:02	5
Benzo[a]pyrene	<0.42		0.85	0.42	ug/L		11/18/20 07:21	11/20/20 05:02	5
Benzo[b]fluoranthene	<0.34		0.85	0.34	ug/L		11/18/20 07:21	11/20/20 05:02	5
Benzo[g,h,i]perylene	<1.6		4.2	1.6	ug/L		11/18/20 07:21	11/20/20 05:02	5
Benzo[k]fluoranthene	<0.27		0.85	0.27	ug/L		11/18/20 07:21	11/20/20 05:02	5
Chrysene	<0.29		0.85	0.29	ug/L		11/18/20 07:21	11/20/20 05:02	5
Dibenz(a,h)anthracene	<0.22		1.3	0.22	ug/L		11/18/20 07:21	11/20/20 05:02	5
Fluoranthene	<1.9		4.2	1.9	ug/L		11/18/20 07:21	11/20/20 05:02	5
Fluorene	<1.0		4.2	1.0	ug/L		11/18/20 07:21	11/20/20 05:02	5
Indeno[1,2,3-cd]pyrene	<0.32		0.85	0.32	ug/L		11/18/20 07:21	11/20/20 05:02	5
Naphthalene	<1.3		4.2	1.3	ug/L		11/18/20 07:21	11/20/20 05:02	5
Phenanthrene	<1.3		4.2	1.3	ug/L		11/18/20 07:21	11/20/20 05:02	5
Pyrene	<1.8		4.2	1.8	ug/L		11/18/20 07:21	11/20/20 05:02	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	71		34 - 110	11/18/20 07:21	11/20/20 05:02	5
Nitrobenzene-d5 (Surr)	74		36 - 120	11/18/20 07:21	11/20/20 05:02	5

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 10 Liquid

Lab Sample ID: 500-191135-6

Date Collected: 11/12/20 15:55

Matrix: Water

Date Received: 11/14/20 10:10

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	105		40 - 145	11/18/20 07:21	11/20/20 05:02	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
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Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.2		1.0	0.23	ug/L		11/20/20 08:19	11/23/20 18:09	1
Barium	160		2.5	0.73	ug/L		11/20/20 08:19	11/23/20 18:09	1
Cadmium	0.40	J	0.50	0.17	ug/L		11/20/20 08:19	11/23/20 18:09	1
Chromium	4.2	J	5.0	1.1	ug/L		11/20/20 08:19	11/23/20 18:09	1
Lead	190	B	2.5	0.93	ug/L		11/20/20 08:19	11/24/20 15:11	5
Selenium	<0.98		2.5	0.98	ug/L		11/20/20 08:19	11/23/20 18:09	1
Silver	0.20	J	0.50	0.12	ug/L		11/20/20 08:19	11/23/20 18:09	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		11/24/20 09:35	11/25/20 10:03	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 10 Sludge

Lab Sample ID: 500-191135-7

Date Collected: 11/12/20 16:10

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 2.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<2100		4600	2100	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
1,1,1-Trichloroethane	<1700		4600	1700	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
1,1,2,2-Tetrachloroethane	<1800		4600	1800	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
1,1,2-Trichloroethane	<1600		4600	1600	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
1,1-Dichloroethane	<1900		4600	1900	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
1,1-Dichloroethene	<1800		4600	1800	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
1,1-Dichloropropene	<1400		4600	1400	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
1,2,3-Trichlorobenzene	<2100		4600	2100	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
1,2,3-Trichloropropane	<1900		9100	1900	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
1,2,4-Trichlorobenzene	<1600		4600	1600	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
1,2,4-Trimethylbenzene	<1600		4600	1600	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
1,2-Dibromo-3-Chloropropane	<9100		23000	9100	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
1,2-Dibromoethane	<1800		4600	1800	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
1,2-Dichlorobenzene	<1500		4600	1500	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
1,2-Dichloroethane	<1800		4600	1800	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
1,2-Dichloropropane	<2000		4600	2000	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
1,3,5-Trimethylbenzene	<1700		4600	1700	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
1,3-Dichlorobenzene	<1800		4600	1800	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
1,3-Dichloropropane	<1700		4600	1700	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
1,4-Dichlorobenzene	3300	J	4600	1700	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
2,2-Dichloropropane	<2000		4600	2000	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
2-Chlorotoluene	<1400		4600	1400	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
4-Chlorotoluene	<1600		4600	1600	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Benzene	<670		1100	670	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Bromobenzene	<1600		4600	1600	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Bromochloromethane	<2000		4600	2000	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Bromodichloromethane	<1700		4600	1700	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Bromoform	<2200		4600	2200	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Bromomethane	<3600		14000	3600	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Carbon tetrachloride	<1800		4600	1800	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Chlorobenzene	<1800		4600	1800	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Chloroethane	<2300		4600	2300	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Chloroform	<1700		9100	1700	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Chloromethane	<1500		4600	1500	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
cis-1,2-Dichloroethene	<1900		4600	1900	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
cis-1,3-Dichloropropene	<1900		4600	1900	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Dibromochloromethane	<2200		4600	2200	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Dibromomethane	<1200		4600	1200	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Dichlorodifluoromethane	<3100		14000	3100	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Ethylbenzene	<830		1100	830	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Hexachlorobutadiene	<2000		4600	2000	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Isopropyl ether	<1300		4600	1300	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Isopropylbenzene	<1800		4600	1800	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Methyl tert-butyl ether	<1800		4600	1800	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Methylene Chloride	<7400		23000	7400	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Naphthalene	<1500		4600	1500	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
n-Butylbenzene	<1800		4600	1800	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
N-Propylbenzene	<1900		4600	1900	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
p-Isopropyltoluene	<1700		4600	1700	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 10 Sludge

Lab Sample ID: 500-191135-7

Date Collected: 11/12/20 16:10

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 2.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<1800		4600	1800	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Styrene	<1800		4600	1800	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
tert-Butylbenzene	<1800		4600	1800	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Tetrachloroethene	<1700		4600	1700	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
trans-1,2-Dichloroethene	<1600		4600	1600	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
trans-1,3-Dichloropropene	<1700		4600	1700	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Trichloroethene	<750		2300	750	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Trichlorofluoromethane	<2000		4600	2000	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Vinyl chloride	<1200		4600	1200	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50
Xylenes, Total	<1000		2300	1000	ug/Kg	☼	11/19/20 00:22	11/25/20 13:47	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		75 - 126	11/19/20 00:22	11/25/20 13:47	50
4-Bromofluorobenzene (Surr)	95		72 - 124	11/19/20 00:22	11/25/20 13:47	50
Dibromofluoromethane (Surr)	90		75 - 120	11/19/20 00:22	11/25/20 13:47	50
Toluene-d8 (Surr)	96		75 - 120	11/19/20 00:22	11/25/20 13:47	50

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	1100000		11000	6700	ug/Kg	☼	11/19/20 00:22	11/25/20 14:13	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		75 - 126	11/19/20 00:22	11/25/20 14:13	500
4-Bromofluorobenzene (Surr)	98		72 - 124	11/19/20 00:22	11/25/20 14:13	500
Dibromofluoromethane (Surr)	92		75 - 120	11/19/20 00:22	11/25/20 14:13	500
Toluene-d8 (Surr)	98		75 - 120	11/19/20 00:22	11/25/20 14:13	500

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<3700		30000	3700	ug/Kg	☼	11/25/20 06:55	11/26/20 01:18	10
2-Methylnaphthalene	<2800		30000	2800	ug/Kg	☼	11/25/20 06:55	11/26/20 01:18	10
Acenaphthene	<2700		15000	2700	ug/Kg	☼	11/25/20 06:55	11/26/20 01:18	10
Acenaphthylene	<2000		15000	2000	ug/Kg	☼	11/25/20 06:55	11/26/20 01:18	10
Anthracene	<2500		15000	2500	ug/Kg	☼	11/25/20 06:55	11/26/20 01:18	10
Benzo[a]anthracene	<2000		15000	2000	ug/Kg	☼	11/25/20 06:55	11/26/20 01:18	10
Benzo[a]pyrene	<2900		15000	2900	ug/Kg	☼	11/25/20 06:55	11/26/20 01:18	10
Benzo[b]fluoranthene	<3200		15000	3200	ug/Kg	☼	11/25/20 06:55	11/26/20 01:18	10
Benzo[g,h,i]perylene	<4800		15000	4800	ug/Kg	☼	11/25/20 06:55	11/26/20 01:18	10
Benzo[k]fluoranthene	<4400		15000	4400	ug/Kg	☼	11/25/20 06:55	11/26/20 01:18	10
Chrysene	<4100		15000	4100	ug/Kg	☼	11/25/20 06:55	11/26/20 01:18	10
Dibenz(a,h)anthracene	<2900		15000	2900	ug/Kg	☼	11/25/20 06:55	11/26/20 01:18	10
Fluoranthene	<2800		15000	2800	ug/Kg	☼	11/25/20 06:55	11/26/20 01:18	10
Fluorene	<2100		15000	2100	ug/Kg	☼	11/25/20 06:55	11/26/20 01:18	10
Indeno[1,2,3-cd]pyrene	<3900		15000	3900	ug/Kg	☼	11/25/20 06:55	11/26/20 01:18	10
Naphthalene	<2300		15000	2300	ug/Kg	☼	11/25/20 06:55	11/26/20 01:18	10
Phenanthrene	<2100		15000	2100	ug/Kg	☼	11/25/20 06:55	11/26/20 01:18	10
Pyrene	<3000		15000	3000	ug/Kg	☼	11/25/20 06:55	11/26/20 01:18	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	55		43 - 145	11/25/20 06:55	11/26/20 01:18	10
Nitrobenzene-d5 (Surr)	30	X	37 - 147	11/25/20 06:55	11/26/20 01:18	10

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 10 Sludge

Lab Sample ID: 500-191135-7

Date Collected: 11/12/20 16:10

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 2.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	63		42 - 157	11/25/20 06:55	11/26/20 01:18	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<13		38	13	mg/Kg	☼	11/23/20 18:08	11/24/20 18:45	1
Barium	960		38	4.4	mg/Kg	☼	11/23/20 18:08	11/24/20 18:45	1
Cadmium	4.2	J B	7.7	1.4	mg/Kg	☼	11/23/20 18:08	11/24/20 18:45	1
Chromium	330	B	38	19	mg/Kg	☼	11/23/20 18:08	11/24/20 18:45	1
Lead	4300		19	8.9	mg/Kg	☼	11/23/20 18:08	11/24/20 18:45	1
Selenium	<23		38	23	mg/Kg	☼	11/23/20 18:08	11/24/20 18:45	1
Silver	<5.0		19	5.0	mg/Kg	☼	11/23/20 18:08	11/24/20 18:45	1

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		11/25/20 16:54	11/27/20 10:09	1
Barium	0.22	J	0.50	0.050	mg/L		11/25/20 16:54	11/27/20 10:09	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		11/25/20 16:54	11/27/20 10:09	1
Chromium	<0.010		0.025	0.010	mg/L		11/25/20 16:54	11/27/20 10:09	1
Lead	0.30		0.050	0.0075	mg/L		11/25/20 16:54	11/27/20 10:09	1
Selenium	<0.020		0.050	0.020	mg/L		11/25/20 16:54	11/27/20 10:09	1
Silver	<0.010		0.025	0.010	mg/L		11/25/20 16:54	11/27/20 10:09	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/27/20 09:50	11/30/20 07:36	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.47	J	0.73	0.24	mg/Kg	☼	11/25/20 14:00	11/27/20 07:11	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 10 Composite

Lab Sample ID: 500-191135-8

Date Collected: 11/12/20 16:20

Matrix: Water

Date Received: 11/14/20 10:10

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<2.3		5.0	2.3	ug/L			11/25/20 12:56	5
1,1,1-Trichloroethane	<1.9		5.0	1.9	ug/L			11/25/20 12:56	5
1,1,2,2-Tetrachloroethane	<2.0		5.0	2.0	ug/L			11/25/20 12:56	5
1,1,2-Trichloroethane	<1.8		5.0	1.8	ug/L			11/25/20 12:56	5
1,1-Dichloroethane	<2.1		5.0	2.1	ug/L			11/25/20 12:56	5
1,1-Dichloroethene	<2.0		5.0	2.0	ug/L			11/25/20 12:56	5
1,1-Dichloropropene	<1.5		5.0	1.5	ug/L			11/25/20 12:56	5
1,2,3-Trichlorobenzene	<2.3		5.0	2.3	ug/L			11/25/20 12:56	5
1,2,3-Trichloropropane	<2.1		10	2.1	ug/L			11/25/20 12:56	5
1,2,4-Trichlorobenzene	<1.7		5.0	1.7	ug/L			11/25/20 12:56	5
1,2,4-Trimethylbenzene	<1.8		5.0	1.8	ug/L			11/25/20 12:56	5
1,2-Dibromo-3-Chloropropane	<10		25	10	ug/L			11/25/20 12:56	5
1,2-Dibromoethane	<1.9		5.0	1.9	ug/L			11/25/20 12:56	5
1,2-Dichlorobenzene	<1.7		5.0	1.7	ug/L			11/25/20 12:56	5
1,2-Dichloroethane	<2.0		5.0	2.0	ug/L			11/25/20 12:56	5
1,2-Dichloropropane	<2.1		5.0	2.1	ug/L			11/25/20 12:56	5
1,3,5-Trimethylbenzene	<1.3		5.0	1.3	ug/L			11/25/20 12:56	5
1,3-Dichlorobenzene	<2.0		5.0	2.0	ug/L			11/25/20 12:56	5
1,3-Dichloropropane	<1.8		5.0	1.8	ug/L			11/25/20 12:56	5
1,4-Dichlorobenzene	3.7 J		5.0	1.8	ug/L			11/25/20 12:56	5
2,2-Dichloropropane	<2.2		5.0	2.2	ug/L			11/25/20 12:56	5
2-Chlorotoluene	<1.6		5.0	1.6	ug/L			11/25/20 12:56	5
4-Chlorotoluene	<1.7		5.0	1.7	ug/L			11/25/20 12:56	5
Benzene	<0.73		2.5	0.73	ug/L			11/25/20 12:56	5
Bromobenzene	<1.8		5.0	1.8	ug/L			11/25/20 12:56	5
Bromochloromethane	<2.1		5.0	2.1	ug/L			11/25/20 12:56	5
Bromodichloromethane	<1.9		5.0	1.9	ug/L			11/25/20 12:56	5
Bromoform	<2.4		5.0	2.4	ug/L			11/25/20 12:56	5
Bromomethane	<4.0		15	4.0	ug/L			11/25/20 12:56	5
Carbon tetrachloride	<1.9		5.0	1.9	ug/L			11/25/20 12:56	5
Chlorobenzene	<1.9		5.0	1.9	ug/L			11/25/20 12:56	5
Chloroethane	<2.5		5.0	2.5	ug/L			11/25/20 12:56	5
Chloroform	<1.9		10	1.9	ug/L			11/25/20 12:56	5
Chloromethane	<1.6		5.0	1.6	ug/L			11/25/20 12:56	5
cis-1,2-Dichloroethene	<2.0		5.0	2.0	ug/L			11/25/20 12:56	5
cis-1,3-Dichloropropene	<2.1		5.0	2.1	ug/L			11/25/20 12:56	5
Dibromochloromethane	<2.4		5.0	2.4	ug/L			11/25/20 12:56	5
Dibromomethane	<1.4		5.0	1.4	ug/L			11/25/20 12:56	5
Dichlorodifluoromethane	<3.4		15	3.4	ug/L			11/25/20 12:56	5
Ethylbenzene	<0.92		2.5	0.92	ug/L			11/25/20 12:56	5
Hexachlorobutadiene	<2.2		5.0	2.2	ug/L			11/25/20 12:56	5
Isopropyl ether	<1.4		5.0	1.4	ug/L			11/25/20 12:56	5
Isopropylbenzene	<1.9		5.0	1.9	ug/L			11/25/20 12:56	5
Methyl tert-butyl ether	<2.0		5.0	2.0	ug/L			11/25/20 12:56	5
Methylene Chloride	<8.2		25	8.2	ug/L			11/25/20 12:56	5
Naphthalene	<1.7		5.0	1.7	ug/L			11/25/20 12:56	5
n-Butylbenzene	<1.9		5.0	1.9	ug/L			11/25/20 12:56	5
N-Propylbenzene	<2.1		5.0	2.1	ug/L			11/25/20 12:56	5
p-Isopropyltoluene	<1.8		5.0	1.8	ug/L			11/25/20 12:56	5

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 10 Composite

Lab Sample ID: 500-191135-8

Date Collected: 11/12/20 16:20

Matrix: Water

Date Received: 11/14/20 10:10

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<2.0		5.0	2.0	ug/L			11/25/20 12:56	5
Styrene	<1.9		5.0	1.9	ug/L			11/25/20 12:56	5
tert-Butylbenzene	<2.0		5.0	2.0	ug/L			11/25/20 12:56	5
Tetrachloroethene	<1.9		5.0	1.9	ug/L			11/25/20 12:56	5
trans-1,2-Dichloroethene	<1.7		5.0	1.7	ug/L			11/25/20 12:56	5
trans-1,3-Dichloropropene	<1.8		5.0	1.8	ug/L			11/25/20 12:56	5
Trichloroethene	<0.82		2.5	0.82	ug/L			11/25/20 12:56	5
Trichlorofluoromethane	<2.1		5.0	2.1	ug/L			11/25/20 12:56	5
Vinyl chloride	<1.0		5.0	1.0	ug/L			11/25/20 12:56	5
Xylenes, Total	<1.1		5.0	1.1	ug/L			11/25/20 12:56	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		75 - 126		11/25/20 12:56	5
4-Bromofluorobenzene (Surr)	98		72 - 124		11/25/20 12:56	5
Dibromofluoromethane (Surr)	91		75 - 120		11/25/20 12:56	5
Toluene-d8 (Surr)	99		75 - 120		11/25/20 12:56	5

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	1200		25	7.6	ug/L			11/25/20 13:22	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		75 - 126		11/25/20 13:22	50
4-Bromofluorobenzene (Surr)	98		72 - 124		11/25/20 13:22	50
Dibromofluoromethane (Surr)	92		75 - 120		11/25/20 13:22	50
Toluene-d8 (Surr)	99		75 - 120		11/25/20 13:22	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<1.4		9.1	1.4	ug/L		11/18/20 07:21	11/20/20 05:29	5
2-Methylnaphthalene	<0.30		9.1	0.30	ug/L		11/18/20 07:21	11/20/20 05:29	5
Acenaphthene	<1.4		4.6	1.4	ug/L		11/18/20 07:21	11/20/20 05:29	5
Acenaphthylene	<1.2		4.6	1.2	ug/L		11/18/20 07:21	11/20/20 05:29	5
Anthracene	<1.5		4.6	1.5	ug/L		11/18/20 07:21	11/20/20 05:29	5
Benzo[a]anthracene	<0.26		0.91	0.26	ug/L		11/18/20 07:21	11/20/20 05:29	5
Benzo[a]pyrene	<0.45		0.91	0.45	ug/L		11/18/20 07:21	11/20/20 05:29	5
Benzo[b]fluoranthene	<0.37		0.91	0.37	ug/L		11/18/20 07:21	11/20/20 05:29	5
Benzo[g,h,i]perylene	<1.7		4.6	1.7	ug/L		11/18/20 07:21	11/20/20 05:29	5
Benzo[k]fluoranthene	<0.29		0.91	0.29	ug/L		11/18/20 07:21	11/20/20 05:29	5
Chrysene	<0.31		0.91	0.31	ug/L		11/18/20 07:21	11/20/20 05:29	5
Dibenz(a,h)anthracene	<0.23		1.4	0.23	ug/L		11/18/20 07:21	11/20/20 05:29	5
Fluoranthene	<2.1		4.6	2.1	ug/L		11/18/20 07:21	11/20/20 05:29	5
Fluorene	<1.1		4.6	1.1	ug/L		11/18/20 07:21	11/20/20 05:29	5
Indeno[1,2,3-cd]pyrene	<0.34		0.91	0.34	ug/L		11/18/20 07:21	11/20/20 05:29	5
Naphthalene	<1.4		4.6	1.4	ug/L		11/18/20 07:21	11/20/20 05:29	5
Phenanthrene	<1.4		4.6	1.4	ug/L		11/18/20 07:21	11/20/20 05:29	5
Pyrene	<1.9		4.6	1.9	ug/L		11/18/20 07:21	11/20/20 05:29	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	79		34 - 110	11/18/20 07:21	11/20/20 05:29	5
Nitrobenzene-d5 (Surr)	71		36 - 120	11/18/20 07:21	11/20/20 05:29	5

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 10 Composite

Lab Sample ID: 500-191135-8

Date Collected: 11/12/20 16:20

Matrix: Water

Date Received: 11/14/20 10:10

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	100		40 - 145	11/18/20 07:21	11/20/20 05:29	5

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.4		1.0	0.23	ug/L		11/20/20 08:19	11/23/20 18:20	1
Barium	2100		2.5	0.73	ug/L		11/20/20 08:19	11/23/20 18:20	1
Cadmium	4.4		0.50	0.17	ug/L		11/20/20 08:19	11/23/20 18:20	1
Chromium	660		5.0	1.1	ug/L		11/20/20 08:19	11/23/20 18:20	1
Lead	8600	B	2.5	0.93	ug/L		11/20/20 08:19	11/23/20 18:23	5
Selenium	2.0	J	2.5	0.98	ug/L		11/20/20 08:19	11/23/20 18:20	1
Silver	10		0.50	0.12	ug/L		11/20/20 08:19	11/23/20 18:20	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	3.1		0.20	0.098	ug/L		11/24/20 09:35	11/25/20 10:05	1

Definitions/Glossary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Qualifiers

GC/MS 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/MS Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
X	Surrogate recovery exceeds control limits

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time
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.
X	Surrogate recovery exceeds control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL.
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.
α	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)

Eurofins TestAmerica, Chicago

Definitions/Glossary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

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QC Association Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

GC/MS VOA

Prep Batch: 572964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-2	Bldg 2 Sludge	Total/NA	Solid	5030B	
500-191135-4	Bldg 1 Sludge	Total/NA	Solid	5030B	
500-191135-4 - DL	Bldg 1 Sludge	Total/NA	Solid	5030B	
500-191135-7 - DL	Bldg 10 Sludge	Total/NA	Solid	5030B	
500-191135-7	Bldg 10 Sludge	Total/NA	Solid	5030B	

Analysis Batch: 573982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-1	Bldg 2 Liquid	Total/NA	Water	8260B	
500-191135-3	Bldg 2 Composite	Total/NA	Water	8260B	
500-191135-5	Bldg 1 Liquid	Total/NA	Water	8260B	
500-191135-6	Bldg 10 Liquid	Total/NA	Water	8260B	
500-191135-6 - DL	Bldg 10 Liquid	Total/NA	Water	8260B	
MB 500-573982/6	Method Blank	Total/NA	Water	8260B	
LCS 500-573982/4	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 573983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-2	Bldg 2 Sludge	Total/NA	Solid	8260B	572964
500-191135-4	Bldg 1 Sludge	Total/NA	Solid	8260B	572964
500-191135-4 - DL	Bldg 1 Sludge	Total/NA	Solid	8260B	572964
MB 500-573983/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-573983/4	Lab Control Sample	Total/NA	Solid	8260B	

Analysis Batch: 573988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-8	Bldg 10 Composite	Total/NA	Water	8260B	
500-191135-8 - DL	Bldg 10 Composite	Total/NA	Water	8260B	
MB 500-573988/7	Method Blank	Total/NA	Water	8260B	
LCS 500-573988/5	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 573989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-7	Bldg 10 Sludge	Total/NA	Solid	8260B	572964
500-191135-7 - DL	Bldg 10 Sludge	Total/NA	Solid	8260B	572964
MB 500-573989/7	Method Blank	Total/NA	Solid	8260B	
LCS 500-573989/5	Lab Control Sample	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 572735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-1	Bldg 2 Liquid	Total/NA	Water	3510C	
500-191135-3	Bldg 2 Composite	Total/NA	Water	3510C	
500-191135-5	Bldg 1 Liquid	Total/NA	Water	3510C	
500-191135-6	Bldg 10 Liquid	Total/NA	Water	3510C	
500-191135-8	Bldg 10 Composite	Total/NA	Water	3510C	

Analysis Batch: 573140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-1	Bldg 2 Liquid	Total/NA	Water	8270D	572735

Eurofins TestAmerica, Chicago

QC Association Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

GC/MS Semi VOA (Continued)

Analysis Batch: 573140 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-3	Bldg 2 Composite	Total/NA	Water	8270D	572735
500-191135-5	Bldg 1 Liquid	Total/NA	Water	8270D	572735
500-191135-6	Bldg 10 Liquid	Total/NA	Water	8270D	572735
500-191135-8	Bldg 10 Composite	Total/NA	Water	8270D	572735

Prep Batch: 573955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-2	Bldg 2 Sludge	Total/NA	Solid	3541	
500-191135-4	Bldg 1 Sludge	Total/NA	Solid	3541	
500-191135-7	Bldg 10 Sludge	Total/NA	Solid	3541	
MB 500-573955/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-573955/2-A	Lab Control Sample	Total/NA	Solid	3541	

Analysis Batch: 574112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-2	Bldg 2 Sludge	Total/NA	Solid	8270D	573955
500-191135-4	Bldg 1 Sludge	Total/NA	Solid	8270D	573955
500-191135-7	Bldg 10 Sludge	Total/NA	Solid	8270D	573955
MB 500-573955/1-A	Method Blank	Total/NA	Solid	8270D	573955
LCS 500-573955/2-A	Lab Control Sample	Total/NA	Solid	8270D	573955

HPLC/IC

Prep Batch: 517449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-1	Bldg 2 Liquid	Total/NA	Water	3535	
500-191135-3	Bldg 2 Composite	Total/NA	Water	3535	
500-191135-5	Bldg 1 Liquid	Total/NA	Water	3535	
500-191135-6	Bldg 10 Liquid	Total/NA	Water	3535	
500-191135-8	Bldg 10 Composite	Total/NA	Water	3535	
MB 280-517449/1-A	Method Blank	Total/NA	Water	3535	
LCS 280-517449/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 280-517449/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 517556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-1	Bldg 2 Liquid	Total/NA	Water	8330A	517449
500-191135-3	Bldg 2 Composite	Total/NA	Water	8330A	517449
500-191135-5	Bldg 1 Liquid	Total/NA	Water	8330A	517449
500-191135-6	Bldg 10 Liquid	Total/NA	Water	8330A	517449
500-191135-8	Bldg 10 Composite	Total/NA	Water	8330A	517449
MB 280-517449/1-A	Method Blank	Total/NA	Water	8330A	517449
LCS 280-517449/2-A	Lab Control Sample	Total/NA	Water	8330A	517449
LCSD 280-517449/3-A	Lab Control Sample Dup	Total/NA	Water	8330A	517449

Analysis Batch: 517693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-1	Bldg 2 Liquid	Total/NA	Water	8330A	517449
500-191135-3	Bldg 2 Composite	Total/NA	Water	8330A	517449
500-191135-8	Bldg 10 Composite	Total/NA	Water	8330A	517449

QC Association Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

HPLC/IC

Drying Batch: 517978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-2	Bldg 2 Sludge	Total/NA	Solid	Prep/Air Dry	
500-191135-4	Bldg 1 Sludge	Total/NA	Solid	Prep/Air Dry	
500-191135-7	Bldg 10 Sludge	Total/NA	Solid	Prep/Air Dry	
500-191135-4 MS	Bldg 1 Sludge	Total/NA	Solid	Prep/Air Dry	
500-191135-4 MSD	Bldg 1 Sludge	Total/NA	Solid	Prep/Air Dry	

Prep Batch: 518262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-2	Bldg 2 Sludge	Total/NA	Solid	Sieve/Ultrasoni	517978
500-191135-4	Bldg 1 Sludge	Total/NA	Solid	Sieve/Ultrasoni	517978
500-191135-7	Bldg 10 Sludge	Total/NA	Solid	Sieve/Ultrasoni	517978
MB 280-518262/1-A	Method Blank	Total/NA	Solid	Sieve/Ultrasoni	
LCS 280-518262/2-A	Lab Control Sample	Total/NA	Solid	Sieve/Ultrasoni	
500-191135-4 MS	Bldg 1 Sludge	Total/NA	Solid	Sieve/Ultrasoni	517978
500-191135-4 MSD	Bldg 1 Sludge	Total/NA	Solid	Sieve/Ultrasoni	517978

Analysis Batch: 518936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-2	Bldg 2 Sludge	Total/NA	Solid	8330A	518262
500-191135-4	Bldg 1 Sludge	Total/NA	Solid	8330A	518262
500-191135-7	Bldg 10 Sludge	Total/NA	Solid	8330A	518262
MB 280-518262/1-A	Method Blank	Total/NA	Solid	8330A	518262
LCS 280-518262/2-A	Lab Control Sample	Total/NA	Solid	8330A	518262
500-191135-4 MS	Bldg 1 Sludge	Total/NA	Solid	8330A	518262
500-191135-4 MSD	Bldg 1 Sludge	Total/NA	Solid	8330A	518262

Analysis Batch: 519676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-4	Bldg 1 Sludge	Total/NA	Solid	8330A	518262
500-191135-7	Bldg 10 Sludge	Total/NA	Solid	8330A	518262

Metals

Prep Batch: 573251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-1	Bldg 2 Liquid	Total Recoverable	Water	3005A	
500-191135-3	Bldg 2 Composite	Total Recoverable	Water	3005A	
500-191135-5	Bldg 1 Liquid	Total Recoverable	Water	3005A	
500-191135-6	Bldg 10 Liquid	Total Recoverable	Water	3005A	
500-191135-8	Bldg 10 Composite	Total Recoverable	Water	3005A	
MB 500-573251/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-573251/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 573693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-2	Bldg 2 Sludge	Total/NA	Solid	3050B	
500-191135-4	Bldg 1 Sludge	Total/NA	Solid	3050B	
500-191135-7	Bldg 10 Sludge	Total/NA	Solid	3050B	
MB 500-573693/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-573693/2-A	Lab Control Sample	Total/NA	Solid	3050B	
500-191135-2 MS	Bldg 2 Sludge	Total/NA	Solid	3050B	

Eurofins TestAmerica, Chicago

QC Association Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Metals (Continued)

Prep Batch: 573693 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-2 MSD	Bldg 2 Sludge	Total/NA	Solid	3050B	
500-191135-2 DU	Bldg 2 Sludge	Total/NA	Solid	3050B	

Prep Batch: 573763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-1	Bldg 2 Liquid	Total/NA	Water	7470A	
500-191135-3	Bldg 2 Composite	Total/NA	Water	7470A	
500-191135-5	Bldg 1 Liquid	Total/NA	Water	7470A	
500-191135-6	Bldg 10 Liquid	Total/NA	Water	7470A	
500-191135-8	Bldg 10 Composite	Total/NA	Water	7470A	
MB 500-573763/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-573763/15-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 573771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-1	Bldg 2 Liquid	Total Recoverable	Water	6020A	573251
500-191135-3	Bldg 2 Composite	Total Recoverable	Water	6020A	573251
500-191135-5	Bldg 1 Liquid	Total Recoverable	Water	6020A	573251
500-191135-6	Bldg 10 Liquid	Total Recoverable	Water	6020A	573251
500-191135-8	Bldg 10 Composite	Total Recoverable	Water	6020A	573251
500-191135-8	Bldg 10 Composite	Total Recoverable	Water	6020A	573251
MB 500-573251/1-A	Method Blank	Total Recoverable	Water	6020A	573251
LCS 500-573251/2-A	Lab Control Sample	Total Recoverable	Water	6020A	573251

Leach Batch: 573956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-4	Bldg 1 Sludge	TCLP	Solid	1311	
500-191135-7	Bldg 10 Sludge	TCLP	Solid	1311	
LB 500-573956/2-B	Method Blank	TCLP	Solid	1311	
LB 500-573956/2-C	Method Blank	TCLP	Solid	1311	

Analysis Batch: 573995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-2	Bldg 2 Sludge	Total/NA	Solid	6010C	573693
500-191135-4	Bldg 1 Sludge	Total/NA	Solid	6010C	573693
500-191135-7	Bldg 10 Sludge	Total/NA	Solid	6010C	573693
MB 500-573693/1-A	Method Blank	Total/NA	Solid	6010C	573693
LCS 500-573693/2-A	Lab Control Sample	Total/NA	Solid	6010C	573693
500-191135-2 MS	Bldg 2 Sludge	Total/NA	Solid	6010C	573693
500-191135-2 MSD	Bldg 2 Sludge	Total/NA	Solid	6010C	573693
500-191135-2 DU	Bldg 2 Sludge	Total/NA	Solid	6010C	573693

Analysis Batch: 574027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-3	Bldg 2 Composite	Total Recoverable	Water	6020A	573251
500-191135-6	Bldg 10 Liquid	Total Recoverable	Water	6020A	573251

Analysis Batch: 574048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-1	Bldg 2 Liquid	Total/NA	Water	7470A	573763
500-191135-3	Bldg 2 Composite	Total/NA	Water	7470A	573763

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QC Association Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Metals (Continued)

Analysis Batch: 574048 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-5	Bldg 1 Liquid	Total/NA	Water	7470A	573763
500-191135-6	Bldg 10 Liquid	Total/NA	Water	7470A	573763
500-191135-8	Bldg 10 Composite	Total/NA	Water	7470A	573763
MB 500-573763/12-A	Method Blank	Total/NA	Water	7470A	573763
LCS 500-573763/15-A	Lab Control Sample	Total/NA	Water	7470A	573763

Prep Batch: 574058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-2	Bldg 2 Sludge	Total/NA	Solid	7471B	
500-191135-4	Bldg 1 Sludge	Total/NA	Solid	7471B	
500-191135-7	Bldg 10 Sludge	Total/NA	Solid	7471B	
MB 500-574058/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-574058/13-A	Lab Control Sample	Total/NA	Solid	7471B	

Leach Batch: 574074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-2	Bldg 2 Sludge	TCLP	Solid	1311	
LB3 500-574074/1-B	Method Blank	TCLP	Solid	1311	
LB3 500-574074/2-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 574102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-2	Bldg 2 Sludge	TCLP	Solid	3010A	574074
500-191135-4	Bldg 1 Sludge	TCLP	Solid	3010A	573956
500-191135-7	Bldg 10 Sludge	TCLP	Solid	3010A	573956
LB 500-573956/2-B	Method Blank	TCLP	Solid	3010A	573956
LB3 500-574074/1-B	Method Blank	TCLP	Solid	3010A	574074
LCS 500-574102/22-A	Lab Control Sample	Total/NA	Solid	3010A	
LCS 500-574102/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Analysis Batch: 574191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-2	Bldg 2 Sludge	Total/NA	Solid	7471B	574058
500-191135-4	Bldg 1 Sludge	Total/NA	Solid	7471B	574058
500-191135-7	Bldg 10 Sludge	Total/NA	Solid	7471B	574058
MB 500-574058/12-A	Method Blank	Total/NA	Solid	7471B	574058
LCS 500-574058/13-A	Lab Control Sample	Total/NA	Solid	7471B	574058

Prep Batch: 574218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-2	Bldg 2 Sludge	TCLP	Solid	7470A	574074
500-191135-4	Bldg 1 Sludge	TCLP	Solid	7470A	573956
500-191135-7	Bldg 10 Sludge	TCLP	Solid	7470A	573956
LB 500-573956/2-C	Method Blank	TCLP	Solid	7470A	573956
LB3 500-574074/2-B	Method Blank	TCLP	Solid	7470A	574074
MB 500-574218/12-A	Method Blank	Total/NA	Solid	7470A	
LCS 500-574218/14-A	Lab Control Sample	Total/NA	Solid	7470A	
LCS 500-574218/31-A	Lab Control Sample	Total/NA	Solid	7470A	

QC Association Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Metals

Analysis Batch: 574256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-2	Bldg 2 Sludge	TCLP	Solid	6010C	574102
500-191135-4	Bldg 1 Sludge	TCLP	Solid	6010C	574102
500-191135-7	Bldg 10 Sludge	TCLP	Solid	6010C	574102
LB 500-573956/2-B	Method Blank	TCLP	Solid	6010C	574102
LB3 500-574074/1-B	Method Blank	TCLP	Solid	6010C	574102
LCS 500-574102/22-A	Lab Control Sample	Total/NA	Solid	6010C	574102
LCS 500-574102/2-A	Lab Control Sample	Total/NA	Solid	6010C	574102

Analysis Batch: 574486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-2	Bldg 2 Sludge	TCLP	Solid	7470A	574218
500-191135-4	Bldg 1 Sludge	TCLP	Solid	7470A	574218
500-191135-7	Bldg 10 Sludge	TCLP	Solid	7470A	574218
LB 500-573956/2-C	Method Blank	TCLP	Solid	7470A	574218
LB3 500-574074/2-B	Method Blank	TCLP	Solid	7470A	574218
MB 500-574218/12-A	Method Blank	Total/NA	Solid	7470A	574218
LCS 500-574218/14-A	Lab Control Sample	Total/NA	Solid	7470A	574218
LCS 500-574218/31-A	Lab Control Sample	Total/NA	Solid	7470A	574218

General Chemistry

Analysis Batch: 573622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191135-2	Bldg 2 Sludge	Total/NA	Solid	Moisture	
500-191135-4	Bldg 1 Sludge	Total/NA	Solid	Moisture	
500-191135-7	Bldg 10 Sludge	Total/NA	Solid	Moisture	

Surrogate Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
500-191135-2	Bldg 2 Sludge	104	111	89	103
500-191135-4	Bldg 1 Sludge	105	110	87	104
500-191135-4 - DL	Bldg 1 Sludge	104	116	89	103
500-191135-7	Bldg 10 Sludge	99	95	90	96
500-191135-7 - DL	Bldg 10 Sludge	98	98	92	98
LCS 500-573983/4	Lab Control Sample	100	109	94	107
LCS 500-573989/5	Lab Control Sample	97	97	93	99
MB 500-573983/6	Method Blank	105	117	93	102
MB 500-573989/7	Method Blank	98	99	91	99

Surrogate Legend
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
500-191135-1	Bldg 2 Liquid	103	115	92	104
500-191135-3	Bldg 2 Composite	103	117	95	101
500-191135-5	Bldg 1 Liquid	103	113	93	102
500-191135-6	Bldg 10 Liquid	105	114	94	101
500-191135-6 - DL	Bldg 10 Liquid	107	115	93	102
500-191135-8	Bldg 10 Composite	97	98	91	99
500-191135-8 - DL	Bldg 10 Composite	99	98	92	99
LCS 500-573982/4	Lab Control Sample	100	109	94	107
LCS 500-573988/5	Lab Control Sample	97	97	93	99
MB 500-573982/6	Method Blank	105	117	93	102
MB 500-573988/7	Method Blank	98	99	91	99

Surrogate Legend
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (43-145)	NBZ (37-147)	TPHL (42-157)
500-191135-2	Bldg 2 Sludge	67	52	85
500-191135-4	Bldg 1 Sludge	0 D	0 D	0 D
500-191135-7	Bldg 10 Sludge	55	30 X	63
LCS 500-573955/2-A	Lab Control Sample	98	79	99
MB 500-573955/1-A	Method Blank	90	73	102

Eurofins TestAmerica, Chicago

Surrogate Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (34-110)	NBZ (36-120)	TPHL (40-145)
500-191135-1	Bldg 2 Liquid	62	59	90
500-191135-3	Bldg 2 Composite	62	55	86
500-191135-5	Bldg 1 Liquid	70	72	102
500-191135-6	Bldg 10 Liquid	71	74	105
500-191135-8	Bldg 10 Composite	79	71	100

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-573982/6
Matrix: Water
Analysis Batch: 573982

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/25/20 10:52	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/25/20 10:52	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/25/20 10:52	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/25/20 10:52	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/25/20 10:52	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/25/20 10:52	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/25/20 10:52	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/25/20 10:52	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/25/20 10:52	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/25/20 10:52	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/25/20 10:52	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/25/20 10:52	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/25/20 10:52	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/25/20 10:52	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/25/20 10:52	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/25/20 10:52	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/25/20 10:52	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/25/20 10:52	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/25/20 10:52	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/25/20 10:52	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/25/20 10:52	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/25/20 10:52	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/25/20 10:52	1
Benzene	<0.15		0.50	0.15	ug/L			11/25/20 10:52	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/25/20 10:52	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/25/20 10:52	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/25/20 10:52	1
Bromoform	<0.48		1.0	0.48	ug/L			11/25/20 10:52	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/25/20 10:52	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/25/20 10:52	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/25/20 10:52	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/25/20 10:52	1
Chloroform	<0.37		2.0	0.37	ug/L			11/25/20 10:52	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/25/20 10:52	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/25/20 10:52	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/25/20 10:52	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/25/20 10:52	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/25/20 10:52	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/25/20 10:52	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/25/20 10:52	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/25/20 10:52	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/25/20 10:52	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/25/20 10:52	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/25/20 10:52	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/25/20 10:52	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/25/20 10:52	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/25/20 10:52	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/25/20 10:52	1

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-573982/6
Matrix: Water
Analysis Batch: 573982

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/25/20 10:52	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/25/20 10:52	1
Styrene	<0.39		1.0	0.39	ug/L			11/25/20 10:52	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/25/20 10:52	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/25/20 10:52	1
Toluene	<0.15		0.50	0.15	ug/L			11/25/20 10:52	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/25/20 10:52	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/25/20 10:52	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/25/20 10:52	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/25/20 10:52	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/25/20 10:52	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/25/20 10:52	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	105		75 - 126		11/25/20 10:52	1
4-Bromofluorobenzene (Surr)	117		72 - 124		11/25/20 10:52	1
Dibromofluoromethane (Surr)	93		75 - 120		11/25/20 10:52	1
Toluene-d8 (Surr)	102		75 - 120		11/25/20 10:52	1

Lab Sample ID: LCS 500-573982/4
Matrix: Water
Analysis Batch: 573982

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	44.9		ug/L		90	70 - 125
1,1,1,2-Tetrachloroethane	50.0	48.5		ug/L		97	62 - 140
1,1,2-Trichloroethane	50.0	46.6		ug/L		93	71 - 130
1,1-Dichloroethane	50.0	46.2		ug/L		92	70 - 125
1,1-Dichloroethene	50.0	41.3		ug/L		83	67 - 122
1,1-Dichloropropene	50.0	48.9		ug/L		98	70 - 121
1,2,3-Trichlorobenzene	50.0	43.3		ug/L		87	51 - 145
1,2,3-Trichloropropane	50.0	45.2		ug/L		90	50 - 133
1,2,4-Trichlorobenzene	50.0	44.6		ug/L		89	57 - 137
1,2,4-Trimethylbenzene	50.0	48.5		ug/L		97	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	36.2		ug/L		72	56 - 123
1,2-Dibromoethane	50.0	46.0		ug/L		92	70 - 125
1,2-Dichlorobenzene	50.0	44.5		ug/L		89	70 - 125
1,2-Dichloroethane	50.0	46.5		ug/L		93	68 - 127
1,2-Dichloropropane	50.0	48.3		ug/L		97	67 - 130
1,3,5-Trimethylbenzene	50.0	50.1		ug/L		100	70 - 123
1,3-Dichlorobenzene	50.0	47.2		ug/L		94	70 - 125
1,3-Dichloropropane	50.0	50.7		ug/L		101	62 - 136
1,4-Dichlorobenzene	50.0	45.6		ug/L		91	70 - 120
2,2-Dichloropropane	50.0	44.4		ug/L		89	58 - 139
2-Chlorotoluene	50.0	50.6		ug/L		101	70 - 125
4-Chlorotoluene	50.0	49.9		ug/L		100	68 - 124
Benzene	50.0	46.3		ug/L		93	70 - 120

Euofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-573982/4
Matrix: Water
Analysis Batch: 573982

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	50.0	48.0		ug/L		96	70 - 122
Bromochloromethane	50.0	40.2		ug/L		80	65 - 122
Bromodichloromethane	50.0	44.3		ug/L		89	69 - 120
Bromoform	50.0	37.2		ug/L		74	56 - 132
Bromomethane	50.0	48.9		ug/L		98	40 - 152
Carbon tetrachloride	50.0	40.4		ug/L		81	59 - 133
Chlorobenzene	50.0	48.2		ug/L		96	70 - 120
Chloroethane	50.0	46.5		ug/L		93	48 - 136
Chloroform	50.0	45.0		ug/L		90	70 - 120
Chloromethane	50.0	47.1		ug/L		94	56 - 152
cis-1,2-Dichloroethene	50.0	42.5		ug/L		85	70 - 125
cis-1,3-Dichloropropene	50.0	48.6		ug/L		97	64 - 127
Dibromochloromethane	50.0	41.7		ug/L		83	68 - 125
Dibromomethane	50.0	43.7		ug/L		87	70 - 120
Dichlorodifluoromethane	50.0	42.4		ug/L		85	40 - 159
Ethylbenzene	50.0	51.7		ug/L		103	70 - 123
Hexachlorobutadiene	50.0	52.1		ug/L		104	51 - 150
Isopropylbenzene	50.0	51.9		ug/L		104	70 - 126
Methyl tert-butyl ether	50.0	36.9		ug/L		74	55 - 123
Methylene Chloride	50.0	41.4		ug/L		83	69 - 125
Naphthalene	50.0	38.6		ug/L		77	53 - 144
n-Butylbenzene	50.0	51.5		ug/L		103	68 - 125
N-Propylbenzene	50.0	52.5		ug/L		105	69 - 127
p-Isopropyltoluene	50.0	49.1		ug/L		98	70 - 125
sec-Butylbenzene	50.0	50.9		ug/L		102	70 - 123
Styrene	50.0	47.9		ug/L		96	70 - 120
tert-Butylbenzene	50.0	48.8		ug/L		98	70 - 121
Tetrachloroethene	50.0	51.0		ug/L		102	70 - 128
Toluene	50.0	49.8		ug/L		100	70 - 125
trans-1,2-Dichloroethene	50.0	42.7		ug/L		85	70 - 125
trans-1,3-Dichloropropene	50.0	44.8		ug/L		90	62 - 128
Trichloroethene	50.0	43.3		ug/L		87	70 - 125
Trichlorofluoromethane	50.0	44.2		ug/L		88	55 - 128
Vinyl chloride	50.0	48.3		ug/L		97	64 - 126
Xylenes, Total	100	95.9		ug/L		96	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		75 - 126
4-Bromofluorobenzene (Surr)	109		72 - 124
Dibromofluoromethane (Surr)	94		75 - 120
Toluene-d8 (Surr)	107		75 - 120

Lab Sample ID: MB 500-573983/6
Matrix: Solid
Analysis Batch: 573983

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			11/25/20 10:52	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-573983/6

Matrix: Solid

Analysis Batch: 573983

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			11/25/20 10:52	1
1,1,1,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			11/25/20 10:52	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			11/25/20 10:52	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			11/25/20 10:52	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			11/25/20 10:52	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			11/25/20 10:52	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			11/25/20 10:52	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			11/25/20 10:52	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			11/25/20 10:52	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			11/25/20 10:52	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			11/25/20 10:52	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/Kg			11/25/20 10:52	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			11/25/20 10:52	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			11/25/20 10:52	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			11/25/20 10:52	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			11/25/20 10:52	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			11/25/20 10:52	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			11/25/20 10:52	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			11/25/20 10:52	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/Kg			11/25/20 10:52	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			11/25/20 10:52	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			11/25/20 10:52	1
Benzene	<0.15		0.25	0.15	ug/Kg			11/25/20 10:52	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			11/25/20 10:52	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			11/25/20 10:52	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			11/25/20 10:52	1
Bromoform	<0.48		1.0	0.48	ug/Kg			11/25/20 10:52	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			11/25/20 10:52	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			11/25/20 10:52	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			11/25/20 10:52	1
Chloroethane	<0.50		1.0	0.50	ug/Kg			11/25/20 10:52	1
Chloroform	<0.37		2.0	0.37	ug/Kg			11/25/20 10:52	1
Chloromethane	<0.32		1.0	0.32	ug/Kg			11/25/20 10:52	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			11/25/20 10:52	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			11/25/20 10:52	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			11/25/20 10:52	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			11/25/20 10:52	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			11/25/20 10:52	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			11/25/20 10:52	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			11/25/20 10:52	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			11/25/20 10:52	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			11/25/20 10:52	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			11/25/20 10:52	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			11/25/20 10:52	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			11/25/20 10:52	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			11/25/20 10:52	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			11/25/20 10:52	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			11/25/20 10:52	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			11/25/20 10:52	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-573983/6
Matrix: Solid
Analysis Batch: 573983

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	<0.39		1.0	0.39	ug/Kg			11/25/20 10:52	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			11/25/20 10:52	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			11/25/20 10:52	1
Toluene	<0.15		0.25	0.15	ug/Kg			11/25/20 10:52	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			11/25/20 10:52	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			11/25/20 10:52	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			11/25/20 10:52	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			11/25/20 10:52	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			11/25/20 10:52	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			11/25/20 10:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		75 - 126		11/25/20 10:52	1
4-Bromofluorobenzene (Surr)	117		72 - 124		11/25/20 10:52	1
Dibromofluoromethane (Surr)	93		75 - 120		11/25/20 10:52	1
Toluene-d8 (Surr)	102		75 - 120		11/25/20 10:52	1

Lab Sample ID: LCS 500-573983/4
Matrix: Solid
Analysis Batch: 573983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	44.9		ug/Kg		90	70 - 125
1,1,1-Trichloroethane	50.0	44.9		ug/Kg		90	70 - 125
1,1,2,2-Tetrachloroethane	50.0	48.5		ug/Kg		97	62 - 140
1,1,2-Trichloroethane	50.0	46.6		ug/Kg		93	71 - 130
1,1,1-Dichloroethane	50.0	46.2		ug/Kg		92	70 - 125
1,1-Dichloroethene	50.0	41.3		ug/Kg		83	67 - 122
1,1-Dichloropropene	50.0	48.9		ug/Kg		98	70 - 121
1,2,3-Trichlorobenzene	50.0	43.3		ug/Kg		87	51 - 145
1,2,3-Trichloropropane	50.0	45.2		ug/Kg		90	50 - 133
1,2,4-Trichlorobenzene	50.0	44.6		ug/Kg		89	57 - 137
1,2,4-Trimethylbenzene	50.0	48.5		ug/Kg		97	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	36.2		ug/Kg		72	56 - 123
1,2-Dibromoethane	50.0	46.0		ug/Kg		92	70 - 125
1,2-Dichlorobenzene	50.0	44.5		ug/Kg		89	70 - 125
1,2-Dichloroethane	50.0	46.5		ug/Kg		93	68 - 127
1,2-Dichloropropane	50.0	48.3		ug/Kg		97	67 - 130
1,3,5-Trimethylbenzene	50.0	50.1		ug/Kg		100	70 - 123
1,3-Dichlorobenzene	50.0	47.2		ug/Kg		94	70 - 125
1,3-Dichloropropane	50.0	50.7		ug/Kg		101	62 - 136
1,4-Dichlorobenzene	50.0	45.6		ug/Kg		91	70 - 120
2,2-Dichloropropane	50.0	44.4		ug/Kg		89	58 - 139
2-Chlorotoluene	50.0	50.6		ug/Kg		101	70 - 125
4-Chlorotoluene	50.0	49.9		ug/Kg		100	68 - 124
Benzene	50.0	46.3		ug/Kg		93	70 - 120
Bromobenzene	50.0	48.0		ug/Kg		96	70 - 122
Bromochloromethane	50.0	40.2		ug/Kg		80	65 - 122

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-573983/4
Matrix: Solid
Analysis Batch: 573983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	50.0	44.3		ug/Kg		89	69 - 120
Bromoform	50.0	37.2		ug/Kg		74	56 - 132
Bromomethane	50.0	48.9		ug/Kg		98	40 - 152
Carbon tetrachloride	50.0	40.4		ug/Kg		81	59 - 133
Chlorobenzene	50.0	48.2		ug/Kg		96	70 - 120
Chloroethane	50.0	46.5		ug/Kg		93	48 - 136
Chloroform	50.0	45.0		ug/Kg		90	70 - 120
Chloromethane	50.0	47.1		ug/Kg		94	56 - 152
cis-1,2-Dichloroethene	50.0	42.5		ug/Kg		85	70 - 125
cis-1,3-Dichloropropene	50.0	48.6		ug/Kg		97	64 - 127
Dibromochloromethane	50.0	41.7		ug/Kg		83	68 - 125
Dibromomethane	50.0	43.7		ug/Kg		87	70 - 120
Dichlorodifluoromethane	50.0	42.4		ug/Kg		85	40 - 159
Ethylbenzene	50.0	51.7		ug/Kg		103	70 - 123
Hexachlorobutadiene	50.0	52.1		ug/Kg		104	51 - 150
Isopropylbenzene	50.0	51.9		ug/Kg		104	70 - 126
Methyl tert-butyl ether	50.0	36.9		ug/Kg		74	55 - 123
Methylene Chloride	50.0	41.4		ug/Kg		83	69 - 125
Naphthalene	50.0	38.6		ug/Kg		77	53 - 144
n-Butylbenzene	50.0	51.5		ug/Kg		103	68 - 125
N-Propylbenzene	50.0	52.5		ug/Kg		105	69 - 127
p-Isopropyltoluene	50.0	49.1		ug/Kg		98	70 - 125
sec-Butylbenzene	50.0	50.9		ug/Kg		102	70 - 123
Styrene	50.0	47.9		ug/Kg		96	70 - 120
tert-Butylbenzene	50.0	48.8		ug/Kg		98	70 - 121
Tetrachloroethene	50.0	51.0		ug/Kg		102	70 - 128
Toluene	50.0	49.8		ug/Kg		100	70 - 125
trans-1,2-Dichloroethene	50.0	42.7		ug/Kg		85	70 - 125
trans-1,3-Dichloropropene	50.0	44.8		ug/Kg		90	62 - 128
Trichloroethene	50.0	43.3		ug/Kg		87	70 - 125
Trichlorofluoromethane	50.0	44.2		ug/Kg		88	55 - 128
Vinyl chloride	50.0	48.3		ug/Kg		97	64 - 126
Xylenes, Total	100	95.9		ug/Kg		96	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		75 - 126
4-Bromofluorobenzene (Surr)	109		72 - 124
Dibromofluoromethane (Surr)	94		75 - 120
Toluene-d8 (Surr)	107		75 - 120

Lab Sample ID: MB 500-573988/7
Matrix: Water
Analysis Batch: 573988

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/25/20 11:14	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/25/20 11:14	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/25/20 11:14	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-573988/7

Matrix: Water

Analysis Batch: 573988

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/25/20 11:14	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/25/20 11:14	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/25/20 11:14	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/25/20 11:14	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/25/20 11:14	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/25/20 11:14	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/25/20 11:14	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/25/20 11:14	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/25/20 11:14	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/25/20 11:14	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/25/20 11:14	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/25/20 11:14	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/25/20 11:14	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/25/20 11:14	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/25/20 11:14	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/25/20 11:14	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/25/20 11:14	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			11/25/20 11:14	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/25/20 11:14	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/25/20 11:14	1
Benzene	<0.15		0.50	0.15	ug/L			11/25/20 11:14	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/25/20 11:14	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/25/20 11:14	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/25/20 11:14	1
Bromoform	<0.48		1.0	0.48	ug/L			11/25/20 11:14	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/25/20 11:14	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/25/20 11:14	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/25/20 11:14	1
Chloroethane	<0.51		1.0	0.51	ug/L			11/25/20 11:14	1
Chloroform	<0.37		2.0	0.37	ug/L			11/25/20 11:14	1
Chloromethane	<0.32		1.0	0.32	ug/L			11/25/20 11:14	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/25/20 11:14	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/25/20 11:14	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/25/20 11:14	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/25/20 11:14	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/25/20 11:14	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/25/20 11:14	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/25/20 11:14	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/25/20 11:14	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/25/20 11:14	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/25/20 11:14	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			11/25/20 11:14	1
Naphthalene	<0.34		1.0	0.34	ug/L			11/25/20 11:14	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/25/20 11:14	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/25/20 11:14	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/25/20 11:14	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/25/20 11:14	1
Styrene	<0.39		1.0	0.39	ug/L			11/25/20 11:14	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/25/20 11:14	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-573988/7
Matrix: Water
Analysis Batch: 573988

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/25/20 11:14	1
Toluene	<0.15		0.50	0.15	ug/L			11/25/20 11:14	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/25/20 11:14	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/25/20 11:14	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/25/20 11:14	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/25/20 11:14	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/25/20 11:14	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/25/20 11:14	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	98		75 - 126		11/25/20 11:14	1
4-Bromofluorobenzene (Surr)	99		72 - 124		11/25/20 11:14	1
Dibromofluoromethane (Surr)	91		75 - 120		11/25/20 11:14	1
Toluene-d8 (Surr)	99		75 - 120		11/25/20 11:14	1

Lab Sample ID: LCS 500-573988/5
Matrix: Water
Analysis Batch: 573988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,1,2-Tetrachloroethane	50.0	46.9		ug/L		94	70 - 125
1,1,1-Trichloroethane	50.0	47.4		ug/L		95	70 - 125
1,1,2,2-Tetrachloroethane	50.0	49.6		ug/L		99	62 - 140
1,1,2-Trichloroethane	50.0	46.9		ug/L		94	71 - 130
1,1-Dichloroethane	50.0	51.5		ug/L		103	70 - 125
1,1-Dichloroethene	50.0	47.8		ug/L		96	67 - 122
1,1-Dichloropropene	50.0	49.9		ug/L		100	70 - 121
1,2,3-Trichlorobenzene	50.0	47.8		ug/L		96	51 - 145
1,2,3-Trichloropropane	50.0	49.9		ug/L		100	50 - 133
1,2,4-Trichlorobenzene	50.0	50.2		ug/L		100	57 - 137
1,2,4-Trimethylbenzene	50.0	50.7		ug/L		101	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	36.4		ug/L		73	56 - 123
1,2-Dibromoethane	50.0	48.4		ug/L		97	70 - 125
1,2-Dichlorobenzene	50.0	47.2		ug/L		94	70 - 125
1,2-Dichloroethane	50.0	46.5		ug/L		93	68 - 127
1,2-Dichloropropane	50.0	53.4		ug/L		107	67 - 130
1,3,5-Trimethylbenzene	50.0	50.6		ug/L		101	70 - 123
1,3-Dichlorobenzene	50.0	49.0		ug/L		98	70 - 125
1,3-Dichloropropane	50.0	48.4		ug/L		97	62 - 136
1,4-Dichlorobenzene	50.0	48.3		ug/L		97	70 - 120
2,2-Dichloropropane	50.0	50.4		ug/L		101	58 - 139
2-Chlorotoluene	50.0	49.4		ug/L		99	70 - 125
4-Chlorotoluene	50.0	49.0		ug/L		98	68 - 124
Benzene	50.0	49.7		ug/L		99	70 - 120
Bromobenzene	50.0	50.0		ug/L		100	70 - 122
Bromochloromethane	50.0	48.9		ug/L		98	65 - 122
Bromodichloromethane	50.0	45.1		ug/L		90	69 - 120
Bromoform	50.0	42.3		ug/L		85	56 - 132

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-573988/5
Matrix: Water
Analysis Batch: 573988

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	50.0	49.0		ug/L		98	40 - 152
Carbon tetrachloride	50.0	48.3		ug/L		97	59 - 133
Chlorobenzene	50.0	46.9		ug/L		94	70 - 120
Chloroethane	50.0	49.1		ug/L		98	48 - 136
Chloroform	50.0	44.7		ug/L		89	70 - 120
Chloromethane	50.0	56.8		ug/L		114	56 - 152
cis-1,2-Dichloroethene	50.0	47.2		ug/L		94	70 - 125
cis-1,3-Dichloropropene	50.0	47.7		ug/L		95	64 - 127
Dibromochloromethane	50.0	43.7		ug/L		87	68 - 125
Dibromomethane	50.0	48.3		ug/L		97	70 - 120
Dichlorodifluoromethane	50.0	52.4		ug/L		105	40 - 159
Ethylbenzene	50.0	49.7		ug/L		99	70 - 123
Hexachlorobutadiene	50.0	52.1		ug/L		104	51 - 150
Isopropylbenzene	50.0	53.1		ug/L		106	70 - 126
Methyl tert-butyl ether	50.0	45.3		ug/L		91	55 - 123
Methylene Chloride	50.0	47.7		ug/L		95	69 - 125
Naphthalene	50.0	43.5		ug/L		87	53 - 144
n-Butylbenzene	50.0	49.9		ug/L		100	68 - 125
N-Propylbenzene	50.0	50.9		ug/L		102	69 - 127
p-Isopropyltoluene	50.0	50.4		ug/L		101	70 - 125
sec-Butylbenzene	50.0	51.2		ug/L		102	70 - 123
Styrene	50.0	48.7		ug/L		97	70 - 120
tert-Butylbenzene	50.0	50.4		ug/L		101	70 - 121
Tetrachloroethene	50.0	51.6		ug/L		103	70 - 128
Toluene	50.0	49.3		ug/L		99	70 - 125
trans-1,2-Dichloroethene	50.0	47.6		ug/L		95	70 - 125
trans-1,3-Dichloropropene	50.0	45.5		ug/L		91	62 - 128
Trichloroethene	50.0	50.6		ug/L		101	70 - 125
Trichlorofluoromethane	50.0	43.7		ug/L		87	55 - 128
Vinyl chloride	50.0	49.1		ug/L		98	64 - 126
Xylenes, Total	100	94.5		ug/L		95	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		75 - 126
4-Bromofluorobenzene (Surr)	97		72 - 124
Dibromofluoromethane (Surr)	93		75 - 120
Toluene-d8 (Surr)	99		75 - 120

Lab Sample ID: MB 500-573989/7
Matrix: Solid
Analysis Batch: 573989

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			11/25/20 11:14	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			11/25/20 11:14	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			11/25/20 11:14	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			11/25/20 11:14	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			11/25/20 11:14	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-573989/7

Matrix: Solid

Analysis Batch: 573989

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			11/25/20 11:14	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			11/25/20 11:14	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			11/25/20 11:14	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			11/25/20 11:14	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			11/25/20 11:14	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			11/25/20 11:14	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			11/25/20 11:14	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/Kg			11/25/20 11:14	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			11/25/20 11:14	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			11/25/20 11:14	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			11/25/20 11:14	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			11/25/20 11:14	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			11/25/20 11:14	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			11/25/20 11:14	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			11/25/20 11:14	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/Kg			11/25/20 11:14	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			11/25/20 11:14	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			11/25/20 11:14	1
Benzene	<0.15		0.25	0.15	ug/Kg			11/25/20 11:14	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			11/25/20 11:14	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			11/25/20 11:14	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			11/25/20 11:14	1
Bromoform	<0.48		1.0	0.48	ug/Kg			11/25/20 11:14	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			11/25/20 11:14	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			11/25/20 11:14	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			11/25/20 11:14	1
Chloroethane	<0.50		1.0	0.50	ug/Kg			11/25/20 11:14	1
Chloroform	<0.37		2.0	0.37	ug/Kg			11/25/20 11:14	1
Chloromethane	<0.32		1.0	0.32	ug/Kg			11/25/20 11:14	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			11/25/20 11:14	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			11/25/20 11:14	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			11/25/20 11:14	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			11/25/20 11:14	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			11/25/20 11:14	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			11/25/20 11:14	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			11/25/20 11:14	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			11/25/20 11:14	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			11/25/20 11:14	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			11/25/20 11:14	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			11/25/20 11:14	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			11/25/20 11:14	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			11/25/20 11:14	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			11/25/20 11:14	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			11/25/20 11:14	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			11/25/20 11:14	1
Styrene	<0.39		1.0	0.39	ug/Kg			11/25/20 11:14	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			11/25/20 11:14	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			11/25/20 11:14	1
Toluene	<0.15		0.25	0.15	ug/Kg			11/25/20 11:14	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-573989/7
Matrix: Solid
Analysis Batch: 573989

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			11/25/20 11:14	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			11/25/20 11:14	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			11/25/20 11:14	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			11/25/20 11:14	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			11/25/20 11:14	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			11/25/20 11:14	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	98		75 - 126		11/25/20 11:14	1
4-Bromofluorobenzene (Surr)	99		72 - 124		11/25/20 11:14	1
Dibromofluoromethane (Surr)	91		75 - 120		11/25/20 11:14	1
Toluene-d8 (Surr)	99		75 - 120		11/25/20 11:14	1

Lab Sample ID: LCS 500-573989/5
Matrix: Solid
Analysis Batch: 573989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,1,2-Tetrachloroethane	50.0	46.9		ug/Kg		94	70 - 125
1,1,1-Trichloroethane	50.0	47.4		ug/Kg		95	70 - 125
1,1,1,2-Tetrachloroethane	50.0	49.6		ug/Kg		99	62 - 140
1,1,2-Trichloroethane	50.0	46.9		ug/Kg		94	71 - 130
1,1-Dichloroethane	50.0	51.5		ug/Kg		103	70 - 125
1,1-Dichloroethene	50.0	47.8		ug/Kg		96	67 - 122
1,1-Dichloropropene	50.0	49.9		ug/Kg		100	70 - 121
1,2,3-Trichlorobenzene	50.0	47.8		ug/Kg		96	51 - 145
1,2,3-Trichloropropane	50.0	49.9		ug/Kg		100	50 - 133
1,2,4-Trichlorobenzene	50.0	50.2		ug/Kg		100	57 - 137
1,2,4-Trimethylbenzene	50.0	50.7		ug/Kg		101	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	36.4		ug/Kg		73	56 - 123
1,2-Dibromoethane	50.0	48.4		ug/Kg		97	70 - 125
1,2-Dichlorobenzene	50.0	47.2		ug/Kg		94	70 - 125
1,2-Dichloroethane	50.0	46.5		ug/Kg		93	68 - 127
1,2-Dichloropropane	50.0	53.4		ug/Kg		107	67 - 130
1,3,5-Trimethylbenzene	50.0	50.6		ug/Kg		101	70 - 123
1,3-Dichlorobenzene	50.0	49.0		ug/Kg		98	70 - 125
1,3-Dichloropropane	50.0	48.4		ug/Kg		97	62 - 136
1,4-Dichlorobenzene	50.0	48.3		ug/Kg		97	70 - 120
2,2-Dichloropropane	50.0	50.4		ug/Kg		101	58 - 139
2-Chlorotoluene	50.0	49.4		ug/Kg		99	70 - 125
4-Chlorotoluene	50.0	49.0		ug/Kg		98	68 - 124
Benzene	50.0	49.7		ug/Kg		99	70 - 120
Bromobenzene	50.0	50.0		ug/Kg		100	70 - 122
Bromochloromethane	50.0	48.9		ug/Kg		98	65 - 122
Bromodichloromethane	50.0	45.1		ug/Kg		90	69 - 120
Bromoform	50.0	42.3		ug/Kg		85	56 - 132
Bromomethane	50.0	49.0		ug/Kg		98	40 - 152
Carbon tetrachloride	50.0	48.3		ug/Kg		97	59 - 133

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-573989/5
Matrix: Solid
Analysis Batch: 573989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	50.0	46.9		ug/Kg		94	70 - 120
Chloroethane	50.0	49.1		ug/Kg		98	48 - 136
Chloroform	50.0	44.7		ug/Kg		89	70 - 120
Chloromethane	50.0	56.8		ug/Kg		114	56 - 152
cis-1,2-Dichloroethene	50.0	47.2		ug/Kg		94	70 - 125
cis-1,3-Dichloropropene	50.0	47.7		ug/Kg		95	64 - 127
Dibromochloromethane	50.0	43.7		ug/Kg		87	68 - 125
Dibromomethane	50.0	48.3		ug/Kg		97	70 - 120
Dichlorodifluoromethane	50.0	52.4		ug/Kg		105	40 - 159
Ethylbenzene	50.0	49.7		ug/Kg		99	70 - 123
Hexachlorobutadiene	50.0	52.1		ug/Kg		104	51 - 150
Isopropylbenzene	50.0	53.1		ug/Kg		106	70 - 126
Methyl tert-butyl ether	50.0	45.3		ug/Kg		91	55 - 123
Methylene Chloride	50.0	47.7		ug/Kg		95	69 - 125
Naphthalene	50.0	43.5		ug/Kg		87	53 - 144
n-Butylbenzene	50.0	49.9		ug/Kg		100	68 - 125
N-Propylbenzene	50.0	50.9		ug/Kg		102	69 - 127
p-Isopropyltoluene	50.0	50.4		ug/Kg		101	70 - 125
sec-Butylbenzene	50.0	51.2		ug/Kg		102	70 - 123
Styrene	50.0	48.7		ug/Kg		97	70 - 120
tert-Butylbenzene	50.0	50.4		ug/Kg		101	70 - 121
Tetrachloroethene	50.0	51.6		ug/Kg		103	70 - 128
Toluene	50.0	49.3		ug/Kg		99	70 - 125
trans-1,2-Dichloroethene	50.0	47.6		ug/Kg		95	70 - 125
trans-1,3-Dichloropropene	50.0	45.5		ug/Kg		91	62 - 128
Trichloroethene	50.0	50.6		ug/Kg		101	70 - 125
Trichlorofluoromethane	50.0	43.7		ug/Kg		87	55 - 128
Vinyl chloride	50.0	49.1		ug/Kg		98	64 - 126
Xylenes, Total	100	94.5		ug/Kg		95	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		75 - 126
4-Bromofluorobenzene (Surr)	97		72 - 124
Dibromofluoromethane (Surr)	93		75 - 120
Toluene-d8 (Surr)	99		75 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-573955/1-A
Matrix: Solid
Analysis Batch: 574112

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 573955

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.1		67	8.1	ug/Kg		11/25/20 06:55	11/25/20 22:55	1
2-Methylnaphthalene	<6.1		67	6.1	ug/Kg		11/25/20 06:55	11/25/20 22:55	1
Acenaphthene	<6.0		33	6.0	ug/Kg		11/25/20 06:55	11/25/20 22:55	1
Acenaphthylene	<4.4		33	4.4	ug/Kg		11/25/20 06:55	11/25/20 22:55	1
Anthracene	<5.6		33	5.6	ug/Kg		11/25/20 06:55	11/25/20 22:55	1
Benzo[a]anthracene	<4.5		33	4.5	ug/Kg		11/25/20 06:55	11/25/20 22:55	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-573955/1-A
Matrix: Solid
Analysis Batch: 574112

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 573955

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzo[a]pyrene	<6.4		33	6.4	ug/Kg		11/25/20 06:55	11/25/20 22:55	1
Benzo[b]fluoranthene	<7.2		33	7.2	ug/Kg		11/25/20 06:55	11/25/20 22:55	1
Benzo[g,h,i]perylene	<11		33	11	ug/Kg		11/25/20 06:55	11/25/20 22:55	1
Benzo[k]fluoranthene	<9.8		33	9.8	ug/Kg		11/25/20 06:55	11/25/20 22:55	1
Chrysene	<9.1		33	9.1	ug/Kg		11/25/20 06:55	11/25/20 22:55	1
Dibenz(a,h)anthracene	<6.4		33	6.4	ug/Kg		11/25/20 06:55	11/25/20 22:55	1
Fluoranthene	<6.2		33	6.2	ug/Kg		11/25/20 06:55	11/25/20 22:55	1
Fluorene	<4.7		33	4.7	ug/Kg		11/25/20 06:55	11/25/20 22:55	1
Indeno[1,2,3-cd]pyrene	<8.6		33	8.6	ug/Kg		11/25/20 06:55	11/25/20 22:55	1
Naphthalene	<5.1		33	5.1	ug/Kg		11/25/20 06:55	11/25/20 22:55	1
Phenanthrene	<4.6		33	4.6	ug/Kg		11/25/20 06:55	11/25/20 22:55	1
Pyrene	<6.6		33	6.6	ug/Kg		11/25/20 06:55	11/25/20 22:55	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	90		43 - 145	11/25/20 06:55	11/25/20 22:55	1
Nitrobenzene-d5 (Surr)	73		37 - 147	11/25/20 06:55	11/25/20 22:55	1
Terphenyl-d14 (Surr)	102		42 - 157	11/25/20 06:55	11/25/20 22:55	1

Lab Sample ID: LCS 500-573955/2-A
Matrix: Solid
Analysis Batch: 574112

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 573955

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2-Methylnaphthalene	1330	1230		ug/Kg		92	69 - 112
Acenaphthene	1330	1150		ug/Kg		86	65 - 124
Acenaphthylene	1330	1180		ug/Kg		89	68 - 120
Anthracene	1330	1170		ug/Kg		88	70 - 114
Benzo[a]anthracene	1330	1190		ug/Kg		89	67 - 122
Benzo[a]pyrene	1330	1150		ug/Kg		86	65 - 133
Benzo[b]fluoranthene	1330	1110		ug/Kg		83	69 - 129
Benzo[g,h,i]perylene	1330	1360		ug/Kg		102	72 - 131
Benzo[k]fluoranthene	1330	1130		ug/Kg		85	68 - 127
Chrysene	1330	1220		ug/Kg		91	63 - 120
Dibenz(a,h)anthracene	1330	1360		ug/Kg		102	64 - 131
Fluoranthene	1330	1280		ug/Kg		96	62 - 120
Fluorene	1330	1170		ug/Kg		88	62 - 120
Indeno[1,2,3-cd]pyrene	1330	1350		ug/Kg		101	68 - 130
Naphthalene	1330	1180		ug/Kg		88	63 - 110
Phenanthrene	1330	1210		ug/Kg		91	62 - 120
Pyrene	1330	1230		ug/Kg		92	61 - 128

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	98		43 - 145
Nitrobenzene-d5 (Surr)	79		37 - 147
Terphenyl-d14 (Surr)	99		42 - 157

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

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QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

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Method: 6010C - Metals (ICP)

Lab Sample ID: MB 500-573693/1-A
Matrix: Solid
Analysis Batch: 573995

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 573693

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.34		1.0	0.34	mg/Kg		11/23/20 18:08	11/24/20 18:20	1
Barium	<0.11		1.0	0.11	mg/Kg		11/23/20 18:08	11/24/20 18:20	1
Cadmium	0.0643	J	0.20	0.036	mg/Kg		11/23/20 18:08	11/24/20 18:20	1
Chromium	0.614	J	1.0	0.50	mg/Kg		11/23/20 18:08	11/24/20 18:20	1
Lead	<0.23		0.50	0.23	mg/Kg		11/23/20 18:08	11/24/20 18:20	1
Selenium	<0.59		1.0	0.59	mg/Kg		11/23/20 18:08	11/24/20 18:20	1
Silver	<0.13		0.50	0.13	mg/Kg		11/23/20 18:08	11/24/20 18:20	1

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QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 500-573693/2-A
Matrix: Solid
Analysis Batch: 573995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 573693

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	10.0	9.02		mg/Kg		90	80 - 120
Barium	200	197		mg/Kg		99	80 - 120
Cadmium	5.00	4.61		mg/Kg		92	80 - 120
Chromium	20.0	18.9		mg/Kg		95	80 - 120
Lead	10.0	8.87		mg/Kg		89	80 - 120
Selenium	10.0	8.43		mg/Kg		84	80 - 120
Silver	5.00	4.33		mg/Kg		87	80 - 120

Lab Sample ID: 500-191135-2 MS
Matrix: Solid
Analysis Batch: 573995

Client Sample ID: Bldg 2 Sludge
Prep Type: Total/NA
Prep Batch: 573693

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Arsenic	<23		581	547		mg/Kg	☼	94	75 - 125
Barium	190		11600	11800		mg/Kg	☼	100	75 - 125
Cadmium	6.0	J B	290	279		mg/Kg	☼	94	75 - 125
Chromium	66	J B	1160	1160		mg/Kg	☼	94	75 - 125
Lead	410		581	983		mg/Kg	☼	99	75 - 125
Selenium	<39	F1	581	418	F1	mg/Kg	☼	72	75 - 125
Silver	690		290	1050		mg/Kg	☼	124	75 - 125

Lab Sample ID: 500-191135-2 MSD
Matrix: Solid
Analysis Batch: 573995

Client Sample ID: Bldg 2 Sludge
Prep Type: Total/NA
Prep Batch: 573693

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Arsenic	<23		632	588		mg/Kg	☼	93	75 - 125	7	20
Barium	190		12600	12600		mg/Kg	☼	98	75 - 125	6	20
Cadmium	6.0	J B	316	300		mg/Kg	☼	93	75 - 125	7	20
Chromium	66	J B	1260	1150		mg/Kg	☼	86	75 - 125	1	20
Lead	410		632	1030		mg/Kg	☼	99	75 - 125	5	20
Selenium	<39	F1	632	448	F1	mg/Kg	☼	71	75 - 125	7	20
Silver	690		316	958		mg/Kg	☼	84	75 - 125	9	20

Lab Sample ID: 500-191135-2 DU
Matrix: Solid
Analysis Batch: 573995

Client Sample ID: Bldg 2 Sludge
Prep Type: Total/NA
Prep Batch: 573693

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	<23		<22		mg/Kg	☼	NC	20
Barium	190		154		mg/Kg	☼	19	20
Cadmium	6.0	J B	6.61	J	mg/Kg	☼	9	20
Chromium	66	J B	38.8	J F5	mg/Kg	☼	52	20
Lead	410		378		mg/Kg	☼	7	20
Selenium	<39	F1	<38		mg/Kg	☼	NC	20
Silver	690		692		mg/Kg	☼	0.1	20

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 500-574102/22-A
Matrix: Solid
Analysis Batch: 574256

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 574102
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	0.100	0.103		mg/L		103	80 - 120
Barium	0.500	0.505		mg/L		101	80 - 120
Cadmium	0.0500	0.0489		mg/L		98	80 - 120
Chromium	0.200	0.188		mg/L		94	80 - 120
Lead	0.100	0.0987		mg/L		99	80 - 120
Selenium	0.100	0.0950		mg/L		95	80 - 120
Silver	0.0500	0.0463		mg/L		93	80 - 120

Lab Sample ID: LCS 500-574102/2-A
Matrix: Solid
Analysis Batch: 574256

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 574102
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	0.100	0.119		mg/L		119	80 - 120
Barium	0.500	0.515		mg/L		103	80 - 120
Cadmium	0.0500	0.0546		mg/L		109	80 - 120
Chromium	0.200	0.201		mg/L		101	80 - 120
Lead	0.100	0.102		mg/L		102	80 - 120
Selenium	0.100	0.111		mg/L		111	80 - 120
Silver	0.0500	0.0539		mg/L		108	80 - 120

Lab Sample ID: LB 500-573956/2-B
Matrix: Solid
Analysis Batch: 574256

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 574102

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		11/25/20 16:54	11/27/20 09:05	1
Barium	<0.050		0.50	0.050	mg/L		11/25/20 16:54	11/27/20 09:05	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		11/25/20 16:54	11/27/20 09:05	1
Chromium	<0.010		0.025	0.010	mg/L		11/25/20 16:54	11/27/20 09:05	1
Lead	<0.0075		0.050	0.0075	mg/L		11/25/20 16:54	11/27/20 09:05	1
Selenium	<0.020		0.050	0.020	mg/L		11/25/20 16:54	11/27/20 09:05	1
Silver	<0.010		0.025	0.010	mg/L		11/25/20 16:54	11/27/20 09:05	1

Lab Sample ID: LB3 500-574074/1-B
Matrix: Solid
Analysis Batch: 574256

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 574102

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.010		0.050	0.010	mg/L		11/25/20 16:54	11/27/20 10:55	1
Barium	<0.050		0.50	0.050	mg/L		11/25/20 16:54	11/27/20 10:55	1
Cadmium	<0.0020		0.0050	0.0020	mg/L		11/25/20 16:54	11/27/20 10:55	1
Chromium	<0.010		0.025	0.010	mg/L		11/25/20 16:54	11/27/20 10:55	1
Lead	<0.0075		0.050	0.0075	mg/L		11/25/20 16:54	11/27/20 10:55	1
Selenium	<0.020		0.050	0.020	mg/L		11/25/20 16:54	11/27/20 10:55	1
Silver	<0.010		0.025	0.010	mg/L		11/25/20 16:54	11/27/20 10:55	1

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-573251/1-A
Matrix: Water
Analysis Batch: 573771

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 573251

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.23		1.0	0.23	ug/L		11/20/20 08:19	11/23/20 17:42	1
Barium	<0.73		2.5	0.73	ug/L		11/20/20 08:19	11/23/20 17:42	1
Cadmium	<0.17		0.50	0.17	ug/L		11/20/20 08:19	11/23/20 17:42	1
Chromium	<1.1		5.0	1.1	ug/L		11/20/20 08:19	11/23/20 17:42	1
Lead	0.204	J	0.50	0.19	ug/L		11/20/20 08:19	11/23/20 17:42	1
Selenium	<0.98		2.5	0.98	ug/L		11/20/20 08:19	11/23/20 17:42	1
Silver	<0.12		0.50	0.12	ug/L		11/20/20 08:19	11/23/20 17:42	1

Lab Sample ID: LCS 500-573251/2-A
Matrix: Water
Analysis Batch: 573771

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 573251

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	96.3		ug/L		96	80 - 120
Barium	500	506		ug/L		101	80 - 120
Cadmium	50.0	50.4		ug/L		101	80 - 120
Chromium	200	214		ug/L		107	80 - 120
Lead	100	107		ug/L		107	80 - 120
Selenium	100	100		ug/L		100	80 - 120
Silver	50.0	49.0		ug/L		98	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-573763/12-A
Matrix: Water
Analysis Batch: 574048

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 573763

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		11/24/20 09:35	11/25/20 09:03	1

Lab Sample ID: LCS 500-573763/15-A
Matrix: Water
Analysis Batch: 574048

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 573763

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.00	2.11		ug/L		105	80 - 120

Lab Sample ID: MB 500-574218/12-A
Matrix: Solid
Analysis Batch: 574486

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 574218

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/27/20 09:50	11/30/20 07:21	1

Lab Sample ID: LCS 500-574218/14-A
Matrix: Solid
Analysis Batch: 574486

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 574218

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00189		mg/L		94	80 - 120

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QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LCS 500-574218/31-A
Matrix: Solid
Analysis Batch: 574486

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 574218
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00200	0.00180		mg/L		90	80 - 120

Lab Sample ID: LB 500-573956/2-C
Matrix: Solid
Analysis Batch: 574486

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 574218

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/27/20 09:50	11/30/20 07:28	1

Lab Sample ID: LB3 500-574074/2-B
Matrix: Solid
Analysis Batch: 574486

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 574218

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020	0.00020	mg/L		11/27/20 09:50	11/30/20 08:08	1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-574058/12-A
Matrix: Solid
Analysis Batch: 574191

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 574058

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0056		0.017	0.0056	mg/Kg		11/25/20 14:00	11/27/20 06:51	1

Lab Sample ID: LCS 500-574058/13-A
Matrix: Solid
Analysis Batch: 574191

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 574058
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.167	0.160		mg/Kg		96	80 - 120

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 2 Liquid

Lab Sample ID: 500-191135-1

Date Collected: 11/12/20 14:45

Matrix: Water

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	573982	11/25/20 12:31	STW	TAL CHI
Total/NA	Prep	3510C			572735	11/18/20 07:21	CLL	TAL CHI
Total/NA	Analysis	8270D		5	573140	11/20/20 03:42	NRJ	TAL CHI
Total/NA	Prep	3535			517449	11/20/20 06:37	JT	TAL DEN
Total/NA	Analysis	8330A		1	517556	11/21/20 04:29	JZ	TAL DEN
Total/NA	Prep	3535			517449	11/20/20 06:37	JT	TAL DEN
Total/NA	Analysis	8330A		1	517693	11/22/20 10:02	JZ	TAL DEN
Total Recoverable	Prep	3005A			573251	11/20/20 08:19	LMN	TAL CHI
Total Recoverable	Analysis	6020A		1	573771	11/23/20 17:59	FXG	TAL CHI
Total/NA	Prep	7470A			573763	11/24/20 09:35	MJG	TAL CHI
Total/NA	Analysis	7470A		1	574048	11/25/20 09:52	MJG	TAL CHI

Client Sample ID: Bldg 2 Sludge

Lab Sample ID: 500-191135-2

Date Collected: 11/12/20 15:00

Matrix: Solid

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Drying	Prep/Air Dry			517978	11/24/20 09:39	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518262	11/26/20 15:26	EKB	TAL DEN
Total/NA	Analysis	8330A		10	518936	12/03/20 12:54	JZ	TAL DEN
TCLP	Leach	1311			574074	11/24/20 11:48	CMS	TAL CHI
TCLP	Prep	3010A			574102	11/25/20 16:54	BDE	TAL CHI
TCLP	Analysis	6010C		1	574256	11/27/20 11:02	EEN	TAL CHI
TCLP	Leach	1311			574074	11/24/20 11:48	CMS	TAL CHI
TCLP	Prep	7470A			574218	11/27/20 09:50	MJG	TAL CHI
TCLP	Analysis	7470A		1	574486	11/30/20 08:17	MJG	TAL CHI
Total/NA	Analysis	Moisture		1	573622	11/23/20 12:35	LWN	TAL CHI

Client Sample ID: Bldg 2 Sludge

Lab Sample ID: 500-191135-2

Date Collected: 11/12/20 15:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 1.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			572964	11/19/20 00:19	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573983	11/25/20 11:17	STW	TAL CHI
Total/NA	Prep	3541			573955	11/25/20 06:55	BSO	TAL CHI
Total/NA	Analysis	8270D		1	574112	11/25/20 23:53	NRJ	TAL CHI
Total/NA	Prep	3050B			573693	11/23/20 18:08	BDE	TAL CHI
Total/NA	Analysis	6010C		1	573995	11/24/20 18:26	EEN	TAL CHI
Total/NA	Prep	7471B			574058	11/25/20 14:00	MJG	TAL CHI
Total/NA	Analysis	7471B		1	574191	11/27/20 07:05	MJG	TAL CHI

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 2 Composite
Date Collected: 11/12/20 15:10
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191135-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	573982	11/25/20 12:55	STW	TAL CHI
Total/NA	Prep	3510C			572735	11/18/20 07:21	CLL	TAL CHI
Total/NA	Analysis	8270D		5	573140	11/20/20 04:08	NRJ	TAL CHI
Total/NA	Prep	3535			517449	11/20/20 06:37	JT	TAL DEN
Total/NA	Analysis	8330A		1	517556	11/21/20 04:52	JZ	TAL DEN
Total/NA	Prep	3535			517449	11/20/20 06:37	JT	TAL DEN
Total/NA	Analysis	8330A		1	517693	11/22/20 10:37	JZ	TAL DEN
Total Recoverable	Prep	3005A			573251	11/20/20 08:19	LMN	TAL CHI
Total Recoverable	Analysis	6020A		5	573771	11/23/20 18:02	FXG	TAL CHI
Total Recoverable	Prep	3005A			573251	11/20/20 08:19	LMN	TAL CHI
Total Recoverable	Analysis	6020A		1	574027	11/24/20 15:07	FXG	TAL CHI
Total/NA	Prep	7470A			573763	11/24/20 09:35	MJG	TAL CHI
Total/NA	Analysis	7470A		1	574048	11/25/20 09:54	MJG	TAL CHI

Client Sample ID: Bldg 1 Sludge
Date Collected: 11/12/20 15:30
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191135-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Drying	Prep/Air Dry			517978	11/24/20 09:39	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518262	11/26/20 15:26	EKB	TAL DEN
Total/NA	Analysis	8330A		10	518936	12/03/20 13:17	JZ	TAL DEN
Total/NA	Drying	Prep/Air Dry			517978	11/24/20 09:39	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518262	11/26/20 15:26	EKB	TAL DEN
Total/NA	Analysis	8330A		10	519676	12/09/20 03:04	JZ	TAL DEN
TCLP	Leach	1311			573956	11/24/20 16:09	CMS	TAL CHI
TCLP	Prep	3010A			574102	11/25/20 16:54	BDE	TAL CHI
TCLP	Analysis	6010C		1	574256	11/27/20 09:50	EEN	TAL CHI
TCLP	Leach	1311			573956	11/24/20 16:09	CMS	TAL CHI
TCLP	Prep	7470A			574218	11/27/20 09:50	MJG	TAL CHI
TCLP	Analysis	7470A		1	574486	11/30/20 07:34	MJG	TAL CHI
Total/NA	Analysis	Moisture		1	573622	11/23/20 12:35	LWN	TAL CHI

Client Sample ID: Bldg 1 Sludge
Date Collected: 11/12/20 15:30
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191135-4
Matrix: Solid
Percent Solids: 6.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			572964	11/19/20 00:20	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573983	11/25/20 11:41	STW	TAL CHI
Total/NA	Prep	5030B	DL		572964	11/19/20 00:20	WRE	TAL CHI
Total/NA	Analysis	8260B	DL	500	573983	11/25/20 12:06	STW	TAL CHI
Total/NA	Prep	3541			573955	11/25/20 06:55	BSO	TAL CHI
Total/NA	Analysis	8270D		20	574112	11/26/20 00:49	NRJ	TAL CHI

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 1 Sludge

Lab Sample ID: 500-191135-4

Date Collected: 11/12/20 15:30

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 6.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			573693	11/23/20 18:08	BDE	TAL CHI
Total/NA	Analysis	6010C		1	573995	11/24/20 18:42	EEN	TAL CHI
Total/NA	Prep	7471B			574058	11/25/20 14:00	MJG	TAL CHI
Total/NA	Analysis	7471B		2	574191	11/27/20 07:49	MJG	TAL CHI

Client Sample ID: Bldg 1 Liquid

Lab Sample ID: 500-191135-5

Date Collected: 11/12/20 15:40

Matrix: Water

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	573982	11/25/20 13:21	STW	TAL CHI
Total/NA	Prep	3510C			572735	11/18/20 07:21	CLL	TAL CHI
Total/NA	Analysis	8270D		5	573140	11/20/20 04:35	NRJ	TAL CHI
Total/NA	Prep	3535			517449	11/20/20 06:37	JT	TAL DEN
Total/NA	Analysis	8330A		1	517556	11/21/20 05:15	JZ	TAL DEN
Total Recoverable	Prep	3005A			573251	11/20/20 08:19	LMN	TAL CHI
Total Recoverable	Analysis	6020A		1	573771	11/23/20 18:06	FXG	TAL CHI
Total/NA	Prep	7470A			573763	11/24/20 09:35	MJG	TAL CHI
Total/NA	Analysis	7470A		1	574048	11/25/20 09:56	MJG	TAL CHI

Client Sample ID: Bldg 10 Liquid

Lab Sample ID: 500-191135-6

Date Collected: 11/12/20 15:55

Matrix: Water

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	573982	11/25/20 13:46	STW	TAL CHI
Total/NA	Analysis	8260B	DL	10	573982	11/25/20 14:10	STW	TAL CHI
Total/NA	Prep	3510C			572735	11/18/20 07:21	CLL	TAL CHI
Total/NA	Analysis	8270D		5	573140	11/20/20 05:02	NRJ	TAL CHI
Total/NA	Prep	3535			517449	11/20/20 06:37	JT	TAL DEN
Total/NA	Analysis	8330A		1	517556	11/21/20 05:38	JZ	TAL DEN
Total Recoverable	Prep	3005A			573251	11/20/20 08:19	LMN	TAL CHI
Total Recoverable	Analysis	6020A		1	573771	11/23/20 18:09	FXG	TAL CHI
Total Recoverable	Prep	3005A			573251	11/20/20 08:19	LMN	TAL CHI
Total Recoverable	Analysis	6020A		5	574027	11/24/20 15:11	FXG	TAL CHI
Total/NA	Prep	7470A			573763	11/24/20 09:35	MJG	TAL CHI
Total/NA	Analysis	7470A		1	574048	11/25/20 10:03	MJG	TAL CHI

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 10 Sludge

Lab Sample ID: 500-191135-7

Date Collected: 11/12/20 16:10

Matrix: Solid

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Drying	Prep/Air Dry			517978	11/24/20 09:39	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518262	11/26/20 15:26	EKB	TAL DEN
Total/NA	Analysis	8330A		10	518936	12/03/20 14:26	JZ	TAL DEN
Total/NA	Drying	Prep/Air Dry			517978	11/24/20 09:39	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518262	11/26/20 15:26	EKB	TAL DEN
Total/NA	Analysis	8330A		10	519676	12/09/20 04:49	JZ	TAL DEN
TCLP	Leach	1311			573956	11/24/20 16:09	CMS	TAL CHI
TCLP	Prep	3010A			574102	11/25/20 16:54	BDE	TAL CHI
TCLP	Analysis	6010C		1	574256	11/27/20 10:09	EEN	TAL CHI
TCLP	Leach	1311			573956	11/24/20 16:09	CMS	TAL CHI
TCLP	Prep	7470A			574218	11/27/20 09:50	MJG	TAL CHI
TCLP	Analysis	7470A		1	574486	11/30/20 07:36	MJG	TAL CHI
Total/NA	Analysis	Moisture		1	573622	11/23/20 12:35	LWN	TAL CHI

Client Sample ID: Bldg 10 Sludge

Lab Sample ID: 500-191135-7

Date Collected: 11/12/20 16:10

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 2.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			572964	11/19/20 00:22	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573989	11/25/20 13:47	STW	TAL CHI
Total/NA	Prep	5030B	DL		572964	11/19/20 00:22	WRE	TAL CHI
Total/NA	Analysis	8260B	DL	500	573989	11/25/20 14:13	STW	TAL CHI
Total/NA	Prep	3541			573955	11/25/20 06:55	BSO	TAL CHI
Total/NA	Analysis	8270D		10	574112	11/26/20 01:18	NRJ	TAL CHI
Total/NA	Prep	3050B			573693	11/23/20 18:08	BDE	TAL CHI
Total/NA	Analysis	6010C		1	573995	11/24/20 18:45	EEN	TAL CHI
Total/NA	Prep	7471B			574058	11/25/20 14:00	MJG	TAL CHI
Total/NA	Analysis	7471B		1	574191	11/27/20 07:11	MJG	TAL CHI

Client Sample ID: Bldg 10 Composite

Lab Sample ID: 500-191135-8

Date Collected: 11/12/20 16:20

Matrix: Water

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	573988	11/25/20 12:56	STW	TAL CHI
Total/NA	Analysis	8260B	DL	50	573988	11/25/20 13:22	STW	TAL CHI
Total/NA	Prep	3510C			572735	11/18/20 07:21	CLL	TAL CHI
Total/NA	Analysis	8270D		5	573140	11/20/20 05:29	NRJ	TAL CHI
Total/NA	Prep	3535			517449	11/20/20 06:37	JT	TAL DEN
Total/NA	Analysis	8330A		1	517556	11/21/20 06:01	JZ	TAL DEN
Total/NA	Prep	3535			517449	11/20/20 06:37	JT	TAL DEN
Total/NA	Analysis	8330A		1	517693	11/22/20 11:12	JZ	TAL DEN
Total Recoverable	Prep	3005A			573251	11/20/20 08:19	LMN	TAL CHI
Total Recoverable	Analysis	6020A		1	573771	11/23/20 18:20	FXG	TAL CHI

Eurofins TestAmerica, Chicago

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191135-1

Client Sample ID: Bldg 10 Composite

Lab Sample ID: 500-191135-8

Date Collected: 11/12/20 16:20

Matrix: Water

Date Received: 11/14/20 10:10

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Prepared or Analyzed</u>	<u>Analyst</u>	<u>Lab</u>
Total Recoverable	Prep	3005A			573251	11/20/20 08:19	LMN	TAL CHI
Total Recoverable	Analysis	6020A		5	573771	11/23/20 18:23	FXG	TAL CHI
Total/NA	Prep	7470A			573763	11/24/20 09:35	MJG	TAL CHI
Total/NA	Analysis	7470A		1	574048	11/25/20 10:05	MJG	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191135-1

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

Laboratory: Eurofins TestAmerica, Denver


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	2907.01	10-31-21
A2LA	ISO/IEC 17025	2907.01	10-31-21
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-08-21
Arizona	State	AZ0713	12-20-20
Arkansas DEQ	State	19-047-0	06-01-21
California	State	2513	01-08-21
Connecticut	State	PH-0686	09-30-20 *
Florida	NELAP	E87667-57	07-01-21
Georgia	State	4025-011	01-09-21
Illinois	NELAP	2000172019-1	04-30-21
Iowa	State	IA#370	12-01-20 *
Kansas	NELAP	E-10166	04-30-21
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-21
Maine	State	2019011 (231)	03-03-21
Minnesota	NELAP	1788752	12-31-20
Nevada	State	CO000262020-1	07-31-21
New Hampshire	NELAP	205319	04-29-21
New Jersey	NELAP	190002	06-30-21
New York	NELAP	59923	04-01-21
North Carolina (WW/SW)	State	358	12-31-20
North Dakota	State	R-034	01-08-21
Oklahoma	State	2018-006	09-01-21
Oregon	NELAP	4025-011	01-08-21
Pennsylvania	NELAP	013	07-31-21
South Carolina	State	72002001	01-08-21
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183-20-18	09-30-21
US Fish & Wildlife	US Federal Programs	058448	08-01-21
USDA	US Federal Programs	P330-18-00099	03-26-21
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-21
Virginia	NELAP	10490	06-14-21
Washington	State	C583-19	08-03-21
West Virginia DEP	State	354	02-28-21
Wisconsin	State	999615430	08-31-21
Wyoming (UST)	A2LA	2907.01	10-31-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Address: _____

Regulatory Program: DW NPDES RCRA Other:

Client Contact		Project Manager: <u>B Olson</u>		Site Contact: <u>J. Gunt</u>		Date: <u>11-13-20</u>		COC No:	
Company Name: <u>SEH Inc</u>		Tel/Email: <u>bolson@sehinc.com</u>		Lab Contact: <u>Spot</u>		Carrier: <u>FGD Ex</u>		_____ of _____ COCs	
Address: <u>10 N Bridge St</u>		Analysis Turnaround Time							
City/State/Zip: <u>Chippewa Falls, WI 54729</u>		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS		TAT if different from Below <u>Relative</u> <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day					
Phone: <u>715.271.7516</u>		TAT if different from Below <u>Relative</u>							
Fax: _____		_____							
Project Name: <u>Stensaw Lab</u>		_____							
Site: _____		_____		Filtered Sample (Y/N) Perform MS / MSD (Y/N) <u>RCRA 8 TAIL</u> <u>RCRA 8 TAIL</u> <u>VOC</u> <u>PAH</u>		500-191135 COC 		Sampler: For Lab Use Only: Walk-in Client: _____ Lab Sampling: _____	
P O # _____		_____						Job / SDG No.: <u>500-191135</u>	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Sample Specific Notes:
1	Bldg 2 Liquid	11-12-20		G	L	9	N	/	
2	Bldg 2 Sludge	↓		G	L	9	N	/	
3	Bldg 2 Comp		G	L	9	N	/		
4	Bldg 1 Sludge		G	L	9	N	/		
5	Bldg 1 Liquid		G	L	9	N	/		
6	Bldg 10 Liquid		G	L	9	N	/		
7	Bldg 10 Sludge		G	L	9	N	/		
8	Bldg 10 Composite		G	L	9	N	/		
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)						
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.		<input checked="" type="checkbox"/> Non-Hazardous <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months							
Special Instructions/QC Requirements & Comments: <u>Septic Tank waste mtls</u> 2.8 → 3.2									
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Cor'd: _____		Therm ID No.:			
Relinquished by: <u>[Signature]</u>		Company: <u>SEH</u>		Date/Time: <u>11-13-20 1:00</u>		Received by:		Company: _____ Date/Time: _____	
Relinquished by:		Company:		Date/Time:		Received by:		Company: _____ Date/Time: _____	
Relinquished by:		Company:		Date/Time:		Received in Laboratory by: <u>Stephanie Hemminger</u>		Company: <u>ETA-CHI</u> Date/Time: <u>11/14/20 1010</u>	



ORIGIN ID: MIFA (800) 472-5881
MR. JOHN GUHL
SHORT ELLIOTT HENDRICKSON, INC. DBA
10 NORTH BRIDGE STREET
CHIPPEWA FALLS, WI 54729
UNITED STATES US

SHIP DATE: 21MAR19
ACTWGT: 10.00 LB MAN
CAD: 592545/CAFE3211

TO

TESTAMERICA CHICAGO
2417 BOND STREET



551C1/4EB3/104C

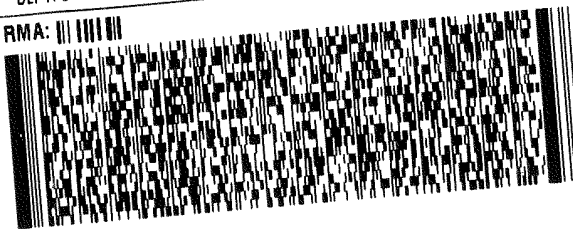
UNIVERSITY PARK IL 60484 -

500-191135 Wayb

(708) 534-5200
DEPT: BOTTLES

REF: S600-70704

RMA: III III III



FedEx
Express



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FedEx

TRK#
0221

4759 5529 0015

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO JOTA

60484
IL-US ORD



Eurofins TestAmerica, Chicago

2417 Bond Street
 University Park, IL 60484
 Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Testing
 America

Client Information (Sub Contract Lab)		Sampler:		Lab PM:		Carrier Tracking No(s):		COC No:			
Client Contact: Shipping/Receiving		Phone:		Fredrick, Sandie		E-Mail: sandra.fredrick@eurofinset.com		500-142213.1			
Company: TestAmerica Laboratories, Inc.		Due Date Requested: 11/30/2020		Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin		Job #: 500-191135-1		Page: Page 1 of 1			
Address: 4955 Yarrow Street,		TAT Requested (days):		Analysis Requested		Total Number of containers		Preservation Codes:			
City: Arvada		PO #:						A - HCL		M - Hexane	
State, Zip: CO, 80002		WO #:						B - NaOH		N - None	
Phone: 303-736-0100(Tel) 303-431-7171(Fax)		Project #: 50006628						C - Zn Acetate		O - AsNaO2	
Email:		SSOW#:						D - Nitric Acid		P - Na2O4S	
Project Name: Stresau Lab		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, An=Air)			
Site:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Special Instructions/Note:		Other:			
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type		Matrix			
Bldg 2 Liquid (500-191135-1)		11/12/20		14:45 Central		Water		X			
Bldg 2 Sludge (500-191135-2)		11/12/20		15:00 Central		Solid		X			
Bldg 2 Composite (500-191135-3)		11/12/20		15:10 Central		Water		X			
Bldg 1 Sludge (500-191135-4)		11/12/20		15:30 Central		Solid		X			
Bldg 1 Liquid (500-191135-5)		11/12/20		15:40 Central		Water		X			
Bldg 10 Liquid (500-191135-6)		11/12/20		15:55 Central		Water		X			
Bldg 10 Sludge (500-191135-7)		11/12/20		16:10 Central		Solid		X			
Bldg 10 Composite (500-191135-8)		11/12/20		16:20 Central		Water		X			

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out 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 TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Unconfirmed		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:	
Empty Kit Relinquished by:		Date:	
Date/Time:		Time:	
Method of Shipment:		Date/Time:	
Relinquished by: <i>Stephanie Hemminger</i>		Date/Time: <i>11/17/20 1600</i>	
Company: <i>ETA-CHI</i>		Received by: <i>[Signature]</i>	
Date/Time:		Date/Time: <i>11/19/2020 0940</i>	
Company:		Company: <i>ETA-CHI</i>	
Relinquished by:		Date/Time:	
Company:		Received by:	
Date/Time:		Date/Time:	
Company:		Company:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:	
Cooler Temperature(s) °C and Other Remarks:		2.1 ER11-0350 11/19/2020	

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12/10/2020



Login Sample Receipt Checklist

Client: Short Elliott Hendrickson, Inc. dba SEH

Job Number: 500-191135-1

Login Number: 191135

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Hernandez, Stephanie

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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	3.2
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.	False	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	False	
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: Short Elliott Hendrickson, Inc. dba SEH

Job Number: 500-191135-1

Login Number: 191135

List Number: 2

Creator: O'Hara, Jake F

List Source: Eurofins TestAmerica, Denver

List Creation: 11/19/20 09:38 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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?	N/A	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-191136-1
Client Project/Site: Stresau Lab

For:

Short Elliott Hendrickson, Inc. dba SEH
10 North Bridge Street
Chippewa Falls, Wisconsin 54729-3374

Attn: Mr. Bruce Olson



*Authorized for release by:
12/10/2020 9:13:12 AM*

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

LINKS

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results through
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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

Job ID: 500-191136-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative 500-191136-1

Comments

No additional comments.

Receipt

The samples were received on 11/14/2020 10:10 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.8° C.

Receipt Exceptions

MW-6S 4-6 ft (500-191136-3), MW-6S 10-12 ft (500-191136-4), MW-4S 2-4 ft (500-191136-5) and MW-4S 34-36 ft (500-191136-6) Container C for each of these samples appears to have water in them - do not use for analysis.

GC/MS VOA

Method 5035: sample vial has < 8 grams of soil in 10 ml of methanol. MW-5S 4-6 ft (500-191136-1), MW-5S 12-14 ft (500-191136-2), MW-6S 4-6 ft (500-191136-3), MW-6S 10-12 ft (500-191136-4), MW-4S 2-4 ft (500-191136-5), MW-4S 34-36 ft (500-191136-6) and MW-4S 34-36 FT Duplicate (500-191136-7)

Method 8260B: The matrix spike duplicate (MSD) recoveries for 573633 was outside control limits for Chloroethane. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260B: The extraction blank for 573408 contained Methylene chloride above the method detection limit (MDL) and below the reporting limit (RL). The method blank associated with analytical batch 573633 has non-detect for Methylene chloride. Methylene chloride was non-detect in the associated samples; therefore, re-extraction and re-analysis of the samples were not performed: therefore the results were reported.

Method 8260B: The extraction LCS associated with preparation batch 573408 had recovery above control limits for Chloroethane. The instrument LCS associated with analytical batch 573633 had all analytes within control limits; therefore re-analysis was not performed. The data have been reported and qualified. MW-5S 4-6 ft (500-191136-1), MW-5S 12-14 ft (500-191136-2), MW-6S 4-6 ft (500-191136-3), MW-6S 10-12 ft (500-191136-4), MW-4S 2-4 ft (500-191136-5), MW-4S 34-36 ft (500-191136-6), MW-4S 34-36 FT Duplicate (500-191136-7) and (LCS 500-573408/22-A)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

LCMS

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Method Prep/Air Dry: The following samples were air dried and sieved per the procedure; however, the samples contained material that would not pass through the sieve: MW-5S 4-6 ft (500-191136-1), MW-5S 12-14 ft (500-191136-2), MW-6S 4-6 ft (500-191136-3), MW-6S 10-12 ft (500-191136-4), MW-4S 2-4 ft (500-191136-5), MW-4S 34-36 ft (500-191136-6), (500-191136-C-2 MS) and (500-191136-C-2 MSD). This material was removed and not extracted. The material removed is described in the aliquot spreadsheet. In preparation batch 280-517975 by dry_sample for 8330A.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-5S 4-6 ft

Lab Sample ID: 500-191136-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.62	J	0.96	0.33	mg/Kg	1	☒	6010C	Total/NA
Barium	15		0.96	0.11	mg/Kg	1	☒	6010C	Total/NA
Chromium	8.1		0.96	0.47	mg/Kg	1	☒	6010C	Total/NA
Lead	1.5		0.48	0.22	mg/Kg	1	☒	6010C	Total/NA

Client Sample ID: MW-5S 12-14 ft

Lab Sample ID: 500-191136-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.70	J	1.0	0.35	mg/Kg	1	☒	6010C	Total/NA
Barium	24		1.0	0.12	mg/Kg	1	☒	6010C	Total/NA
Chromium	9.7		1.0	0.51	mg/Kg	1	☒	6010C	Total/NA
Lead	1.1		0.51	0.24	mg/Kg	1	☒	6010C	Total/NA

Client Sample ID: MW-6S 4-6 ft

Lab Sample ID: 500-191136-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.76	J	0.95	0.33	mg/Kg	1	☒	6010C	Total/NA
Barium	25		0.95	0.11	mg/Kg	1	☒	6010C	Total/NA
Chromium	8.8		0.95	0.47	mg/Kg	1	☒	6010C	Total/NA
Lead	1.2		0.48	0.22	mg/Kg	1	☒	6010C	Total/NA

Client Sample ID: MW-6S 10-12 ft

Lab Sample ID: 500-191136-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.88	J	0.93	0.32	mg/Kg	1	☒	6010C	Total/NA
Barium	18		0.93	0.11	mg/Kg	1	☒	6010C	Total/NA
Chromium	7.8		0.93	0.46	mg/Kg	1	☒	6010C	Total/NA
Lead	1.1		0.47	0.22	mg/Kg	1	☒	6010C	Total/NA

Client Sample ID: MW-4S 2-4 ft

Lab Sample ID: 500-191136-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.0		0.96	0.33	mg/Kg	1	☒	6010C	Total/NA
Barium	12		0.96	0.11	mg/Kg	1	☒	6010C	Total/NA
Chromium	5.9		0.96	0.48	mg/Kg	1	☒	6010C	Total/NA
Lead	1.3		0.48	0.22	mg/Kg	1	☒	6010C	Total/NA

Client Sample ID: MW-4S 34-36 ft

Lab Sample ID: 500-191136-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.86	J	0.90	0.31	mg/Kg	1	☒	6010C	Total/NA
Barium	23		0.90	0.10	mg/Kg	1	☒	6010C	Total/NA
Chromium	15		0.90	0.45	mg/Kg	1	☒	6010C	Total/NA
Lead	1.5		0.45	0.21	mg/Kg	1	☒	6010C	Total/NA

Client Sample ID: MW-4S 34-36 FT Duplicate

Lab Sample ID: 500-191136-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Method Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6010C	Metals (ICP)	SW846	TAL CHI
7471B	Mercury (CVAA)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI
3050B	Preparation, Metals	SW846	TAL CHI
3541	Automated Soxhlet Extraction	SW846	TAL CHI
5035	Closed System Purge and Trap	SW846	TAL CHI
7471B	Preparation, Mercury	SW846	TAL CHI
Prep/Air Dry	Preparation, Air drying	None	TAL DEN
Sieve/Ultrasoni	Sieve and Ultrasonic Water Bath Extraction (Explosives)	SW846	TAL DEN

Protocol References:

EPA = US Environmental Protection Agency

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-191136-1	MW-5S 4-6 ft	Solid	11/11/20 09:30	11/14/20 10:10	
500-191136-2	MW-5S 12-14 ft	Solid	11/11/20 10:30	11/14/20 10:10	
500-191136-3	MW-6S 4-6 ft	Solid	11/11/20 13:00	11/14/20 10:10	
500-191136-4	MW-6S 10-12 ft	Solid	11/11/20 13:40	11/14/20 10:10	
500-191136-5	MW-4S 2-4 ft	Solid	11/12/20 09:30	11/14/20 10:10	
500-191136-6	MW-4S 34-36 ft	Solid	11/12/20 11:45	11/14/20 10:10	
500-191136-7	MW-4S 34-36 FT Duplicate	Solid	11/12/20 11:45	11/14/20 10:10	

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-5S 4-6 ft

Lab Sample ID: 500-191136-1

Date Collected: 11/11/20 09:30

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 94.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<46		100	46	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
1,1,1-Trichloroethane	<38		100	38	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
1,1,2,2-Tetrachloroethane	<40		100	40	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
1,1,2-Trichloroethane	<35		100	35	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
1,1-Dichloroethane	<41		100	41	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
1,1-Dichloroethene	<39		100	39	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
1,1-Dichloropropene	<30		100	30	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
1,2,3-Trichlorobenzene	<46		100	46	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
1,2,3-Trichloropropane	<41		200	41	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
1,2,4-Trichlorobenzene	<34		100	34	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
1,2,4-Trimethylbenzene	<36		100	36	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
1,2-Dibromo-3-Chloropropane	<200		500	200	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
1,2-Dibromoethane	<38		100	38	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
1,2-Dichlorobenzene	<33		100	33	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
1,2-Dichloroethane	<39		100	39	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
1,2-Dichloropropane	<43		100	43	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
1,3,5-Trimethylbenzene	<38		100	38	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
1,3-Dichlorobenzene	<40		100	40	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
1,3-Dichloropropane	<36		100	36	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
1,4-Dichlorobenzene	<36		100	36	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
2,2-Dichloropropane	<44		100	44	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
2-Chlorotoluene	<31		100	31	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
4-Chlorotoluene	<35		100	35	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Benzene	<15		25	15	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Bromobenzene	<35		100	35	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Bromochloromethane	<43		100	43	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Bromodichloromethane	<37		100	37	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Bromoform	<48		100	48	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Bromomethane	<79		300	79	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Carbon tetrachloride	<38		100	38	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Chlorobenzene	<38		100	38	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Chloroethane	<50 *		100	50	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Chloroform	<37		200	37	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Chloromethane	<32		100	32	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
cis-1,2-Dichloroethene	<41		100	41	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
cis-1,3-Dichloropropane	<41		100	41	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Dibromochloromethane	<49		100	49	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Dibromomethane	<27		100	27	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Dichlorodifluoromethane	<67		300	67	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Ethylbenzene	<18		25	18	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Hexachlorobutadiene	<44		100	44	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Isopropyl ether	<27		100	27	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Isopropylbenzene	<38		100	38	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Methyl tert-butyl ether	<39		100	39	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Methylene Chloride	<160		500	160	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Naphthalene	<33		100	33	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
n-Butylbenzene	<39		100	39	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
N-Propylbenzene	<41		100	41	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
p-Isopropyltoluene	<36		100	36	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-5S 4-6 ft

Lab Sample ID: 500-191136-1

Date Collected: 11/11/20 09:30

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 94.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<40		100	40	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Styrene	<38		100	38	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
tert-Butylbenzene	<40		100	40	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Tetrachloroethene	<37		100	37	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Toluene	<15		25	15	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
trans-1,2-Dichloroethene	<35		100	35	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
trans-1,3-Dichloropropene	<36		100	36	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Trichloroethene	<16		50	16	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Trichlorofluoromethane	<43		100	43	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Vinyl chloride	<26		100	26	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Xylenes, Total	<22		50	22	ug/Kg	☼	11/11/20 09:30	11/24/20 03:03	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		75 - 126				11/11/20 09:30	11/24/20 03:03	50
4-Bromofluorobenzene (Surr)	104		72 - 124				11/11/20 09:30	11/24/20 03:03	50
Dibromofluoromethane (Surr)	107		75 - 120				11/11/20 09:30	11/24/20 03:03	50
Toluene-d8 (Surr)	104		75 - 120				11/11/20 09:30	11/24/20 03:03	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.3		69	8.3	ug/Kg	☼	11/21/20 02:06	11/23/20 16:51	1
2-Methylnaphthalene	<6.3		69	6.3	ug/Kg	☼	11/21/20 02:06	11/23/20 16:51	1
Acenaphthene	<6.1		34	6.1	ug/Kg	☼	11/21/20 02:06	11/23/20 16:51	1
Acenaphthylene	<4.5		34	4.5	ug/Kg	☼	11/21/20 02:06	11/23/20 16:51	1
Anthracene	<5.7		34	5.7	ug/Kg	☼	11/21/20 02:06	11/23/20 16:51	1
Benzo[a]anthracene	<4.6		34	4.6	ug/Kg	☼	11/21/20 02:06	11/23/20 16:51	1
Benzo[a]pyrene	<6.6		34	6.6	ug/Kg	☼	11/21/20 02:06	11/23/20 16:51	1
Benzo[b]fluoranthene	<7.3		34	7.3	ug/Kg	☼	11/21/20 02:06	11/23/20 16:51	1
Benzo[g,h,i]perylene	<11		34	11	ug/Kg	☼	11/21/20 02:06	11/23/20 16:51	1
Benzo[k]fluoranthene	<10		34	10	ug/Kg	☼	11/21/20 02:06	11/23/20 16:51	1
Chrysene	<9.3		34	9.3	ug/Kg	☼	11/21/20 02:06	11/23/20 16:51	1
Dibenz(a,h)anthracene	<6.6		34	6.6	ug/Kg	☼	11/21/20 02:06	11/23/20 16:51	1
Fluoranthene	<6.3		34	6.3	ug/Kg	☼	11/21/20 02:06	11/23/20 16:51	1
Fluorene	<4.8		34	4.8	ug/Kg	☼	11/21/20 02:06	11/23/20 16:51	1
Indeno[1,2,3-cd]pyrene	<8.8		34	8.8	ug/Kg	☼	11/21/20 02:06	11/23/20 16:51	1
Naphthalene	<5.2		34	5.2	ug/Kg	☼	11/21/20 02:06	11/23/20 16:51	1
Phenanthrene	<4.7		34	4.7	ug/Kg	☼	11/21/20 02:06	11/23/20 16:51	1
Pyrene	<6.8		34	6.8	ug/Kg	☼	11/21/20 02:06	11/23/20 16:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	89		43 - 145				11/21/20 02:06	11/23/20 16:51	1
Nitrobenzene-d5 (Surr)	70		37 - 147				11/21/20 02:06	11/23/20 16:51	1
Terphenyl-d14 (Surr)	89		42 - 157				11/21/20 02:06	11/23/20 16:51	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-5S 4-6 ft
Date Collected: 11/11/20 09:30
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191136-1
Matrix: Solid
Percent Solids: 94.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.62	J	0.96	0.33	mg/Kg	☆	11/25/20 06:55	11/25/20 19:28	1
Barium	15		0.96	0.11	mg/Kg	☆	11/25/20 06:55	11/25/20 19:28	1
Cadmium	<0.035		0.19	0.035	mg/Kg	☆	11/25/20 06:55	11/25/20 19:28	1
Chromium	8.1		0.96	0.47	mg/Kg	☆	11/25/20 06:55	11/25/20 19:28	1
Lead	1.5		0.48	0.22	mg/Kg	☆	11/25/20 06:55	11/25/20 19:28	1
Selenium	<0.56		0.96	0.56	mg/Kg	☆	11/25/20 06:55	11/25/20 19:28	1
Silver	<0.12		0.48	0.12	mg/Kg	☆	11/25/20 06:55	11/25/20 19:28	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0056		0.017	0.0056	mg/Kg	☆	11/25/20 14:00	11/27/20 07:26	1



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-5S 12-14 ft

Lab Sample ID: 500-191136-2

Date Collected: 11/11/20 10:30

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 94.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<44		95	44	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
1,1,1-Trichloroethane	<36		95	36	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
1,1,2,2-Tetrachloroethane	<38		95	38	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
1,1,2-Trichloroethane	<33		95	33	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
1,1-Dichloroethane	<39		95	39	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
1,1-Dichloroethene	<37		95	37	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
1,1-Dichloropropene	<28		95	28	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
1,2,3-Trichlorobenzene	<43		95	43	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
1,2,3-Trichloropropane	<39		190	39	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
1,2,4-Trichlorobenzene	<32		95	32	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
1,2,4-Trimethylbenzene	<34		95	34	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
1,2-Dibromo-3-Chloropropane	<190		470	190	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
1,2-Dibromoethane	<37		95	37	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
1,2-Dichlorobenzene	<32		95	32	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
1,2-Dichloroethane	<37		95	37	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
1,2-Dichloropropane	<41		95	41	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
1,3,5-Trimethylbenzene	<36		95	36	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
1,3-Dichlorobenzene	<38		95	38	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
1,3-Dichloropropane	<34		95	34	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
1,4-Dichlorobenzene	<35		95	35	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
2,2-Dichloropropane	<42		95	42	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
2-Chlorotoluene	<30		95	30	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
4-Chlorotoluene	<33		95	33	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Benzene	<14		24	14	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Bromobenzene	<34		95	34	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Bromochloromethane	<41		95	41	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Bromodichloromethane	<35		95	35	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Bromoform	<46		95	46	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Bromomethane	<76		280	76	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Carbon tetrachloride	<36		95	36	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Chlorobenzene	<37		95	37	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Chloroethane	<48 *		95	48	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Chloroform	<35		190	35	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Chloromethane	<30		95	30	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
cis-1,2-Dichloroethene	<39		95	39	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
cis-1,3-Dichloropropene	<39		95	39	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Dibromochloromethane	<46		95	46	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Dibromomethane	<26		95	26	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Dichlorodifluoromethane	<64		280	64	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Ethylbenzene	<17		24	17	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Hexachlorobutadiene	<42		95	42	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Isopropyl ether	<26		95	26	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Isopropylbenzene	<36		95	36	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Methyl tert-butyl ether	<37		95	37	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Methylene Chloride	<150		470	150	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Naphthalene	<32		95	32	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
n-Butylbenzene	<37		95	37	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
N-Propylbenzene	<39		95	39	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
p-Isopropyltoluene	<34		95	34	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-5S 12-14 ft

Lab Sample ID: 500-191136-2

Date Collected: 11/11/20 10:30

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 94.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<38		95	38	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Styrene	<37		95	37	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
tert-Butylbenzene	<38		95	38	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Tetrachloroethene	<35		95	35	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Toluene	<14		24	14	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
trans-1,2-Dichloroethene	<33		95	33	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
trans-1,3-Dichloropropene	<34		95	34	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Trichloroethene	<16		47	16	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Trichlorofluoromethane	<41		95	41	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Vinyl chloride	<25		95	25	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Xylenes, Total	<21		47	21	ug/Kg	☼	11/11/20 10:30	11/24/20 03:30	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		75 - 126				11/11/20 10:30	11/24/20 03:30	50
4-Bromofluorobenzene (Surr)	108		72 - 124				11/11/20 10:30	11/24/20 03:30	50
Dibromofluoromethane (Surr)	104		75 - 120				11/11/20 10:30	11/24/20 03:30	50
Toluene-d8 (Surr)	103		75 - 120				11/11/20 10:30	11/24/20 03:30	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.4		69	8.4	ug/Kg	☼	11/21/20 02:06	11/23/20 17:20	1
2-Methylnaphthalene	<6.3		69	6.3	ug/Kg	☼	11/21/20 02:06	11/23/20 17:20	1
Acenaphthene	<6.2		34	6.2	ug/Kg	☼	11/21/20 02:06	11/23/20 17:20	1
Acenaphthylene	<4.5		34	4.5	ug/Kg	☼	11/21/20 02:06	11/23/20 17:20	1
Anthracene	<5.7		34	5.7	ug/Kg	☼	11/21/20 02:06	11/23/20 17:20	1
Benzo[a]anthracene	<4.6		34	4.6	ug/Kg	☼	11/21/20 02:06	11/23/20 17:20	1
Benzo[a]pyrene	<6.7		34	6.7	ug/Kg	☼	11/21/20 02:06	11/23/20 17:20	1
Benzo[b]fluoranthene	<7.4		34	7.4	ug/Kg	☼	11/21/20 02:06	11/23/20 17:20	1
Benzo[g,h,i]perylene	<11		34	11	ug/Kg	☼	11/21/20 02:06	11/23/20 17:20	1
Benzo[k]fluoranthene	<10		34	10	ug/Kg	☼	11/21/20 02:06	11/23/20 17:20	1
Chrysene	<9.4		34	9.4	ug/Kg	☼	11/21/20 02:06	11/23/20 17:20	1
Dibenz(a,h)anthracene	<6.6		34	6.6	ug/Kg	☼	11/21/20 02:06	11/23/20 17:20	1
Fluoranthene	<6.4		34	6.4	ug/Kg	☼	11/21/20 02:06	11/23/20 17:20	1
Fluorene	<4.8		34	4.8	ug/Kg	☼	11/21/20 02:06	11/23/20 17:20	1
Indeno[1,2,3-cd]pyrene	<8.9		34	8.9	ug/Kg	☼	11/21/20 02:06	11/23/20 17:20	1
Naphthalene	<5.3		34	5.3	ug/Kg	☼	11/21/20 02:06	11/23/20 17:20	1
Phenanthrene	<4.8		34	4.8	ug/Kg	☼	11/21/20 02:06	11/23/20 17:20	1
Pyrene	<6.8		34	6.8	ug/Kg	☼	11/21/20 02:06	11/23/20 17:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	96		43 - 145				11/21/20 02:06	11/23/20 17:20	1
Nitrobenzene-d5 (Surr)	76		37 - 147				11/21/20 02:06	11/23/20 17:20	1
Terphenyl-d14 (Surr)	98		42 - 157				11/21/20 02:06	11/23/20 17:20	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-5S 12-14 ft
Date Collected: 11/11/20 10:30
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191136-2
Matrix: Solid
Percent Solids: 94.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.70	J	1.0	0.35	mg/Kg	✧	11/25/20 06:55	11/25/20 19:31	1
Barium	24		1.0	0.12	mg/Kg	✧	11/25/20 06:55	11/25/20 19:31	1
Cadmium	<0.037		0.20	0.037	mg/Kg	✧	11/25/20 06:55	11/25/20 19:31	1
Chromium	9.7		1.0	0.51	mg/Kg	✧	11/25/20 06:55	11/25/20 19:31	1
Lead	1.1		0.51	0.24	mg/Kg	✧	11/25/20 06:55	11/25/20 19:31	1
Selenium	<0.60		1.0	0.60	mg/Kg	✧	11/25/20 06:55	11/25/20 19:31	1
Silver	<0.13		0.51	0.13	mg/Kg	✧	11/25/20 06:55	11/25/20 19:31	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0056		0.017	0.0056	mg/Kg	✧	11/25/20 14:00	11/27/20 07:28	1



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-6S 4-6 ft

Lab Sample ID: 500-191136-3

Date Collected: 11/11/20 13:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 97.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<46		99	46	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
1,1,1-Trichloroethane	<37		99	37	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
1,1,2,2-Tetrachloroethane	<39		99	39	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
1,1,2-Trichloroethane	<35		99	35	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
1,1-Dichloroethane	<40		99	40	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
1,1-Dichloroethene	<38		99	38	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
1,1-Dichloropropene	<29		99	29	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
1,2,3-Trichlorobenzene	<45		99	45	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
1,2,3-Trichloropropane	<41		200	41	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
1,2,4-Trichlorobenzene	<34		99	34	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
1,2,4-Trimethylbenzene	<35		99	35	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
1,2-Dibromo-3-Chloropropane	<200		490	200	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
1,2-Dibromoethane	<38		99	38	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
1,2-Dichlorobenzene	<33		99	33	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
1,2-Dichloroethane	<39		99	39	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
1,2-Dichloropropane	<42		99	42	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
1,3,5-Trimethylbenzene	<37		99	37	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
1,3-Dichlorobenzene	<39		99	39	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
1,3-Dichloropropane	<36		99	36	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
1,4-Dichlorobenzene	<36		99	36	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
2,2-Dichloropropane	<44		99	44	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
2-Chlorotoluene	<31		99	31	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
4-Chlorotoluene	<35		99	35	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Benzene	<14		25	14	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Bromobenzene	<35		99	35	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Bromochloromethane	<42		99	42	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Bromodichloromethane	<37		99	37	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Bromoform	<48		99	48	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Bromomethane	<79		300	79	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Carbon tetrachloride	<38		99	38	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Chlorobenzene	<38		99	38	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Chloroethane	<50 *		99	50	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Chloroform	<36		200	36	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Chloromethane	<32		99	32	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
cis-1,2-Dichloroethene	<40		99	40	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
cis-1,3-Dichloropropene	<41		99	41	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Dibromochloromethane	<48		99	48	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Dibromomethane	<27		99	27	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Dichlorodifluoromethane	<66		300	66	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Ethylbenzene	<18		25	18	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Hexachlorobutadiene	<44		99	44	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Isopropyl ether	<27		99	27	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Isopropylbenzene	<38		99	38	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Methyl tert-butyl ether	<39		99	39	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Methylene Chloride	<160		490	160	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Naphthalene	<33		99	33	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
n-Butylbenzene	<38		99	38	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
N-Propylbenzene	<41		99	41	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
p-Isopropyltoluene	<36		99	36	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-6S 4-6 ft

Lab Sample ID: 500-191136-3

Date Collected: 11/11/20 13:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 97.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<39		99	39	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Styrene	<38		99	38	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
tert-Butylbenzene	<39		99	39	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Tetrachloroethene	<36		99	36	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Toluene	<15		25	15	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
trans-1,2-Dichloroethene	<35		99	35	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
trans-1,3-Dichloropropene	<36		99	36	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Trichloroethene	<16		49	16	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Trichlorofluoromethane	<42		99	42	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Vinyl chloride	<26		99	26	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50
Xylenes, Total	<22		49	22	ug/Kg	☼	11/11/20 13:00	11/24/20 03:56	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		75 - 126	11/11/20 13:00	11/24/20 03:56	50
4-Bromofluorobenzene (Surr)	107		72 - 124	11/11/20 13:00	11/24/20 03:56	50
Dibromofluoromethane (Surr)	109		75 - 120	11/11/20 13:00	11/24/20 03:56	50
Toluene-d8 (Surr)	104		75 - 120	11/11/20 13:00	11/24/20 03:56	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<7.9		66	7.9	ug/Kg	☼	11/21/20 02:06	11/23/20 17:49	1
2-Methylnaphthalene	<6.0		66	6.0	ug/Kg	☼	11/21/20 02:06	11/23/20 17:49	1
Acenaphthene	<5.8		32	5.8	ug/Kg	☼	11/21/20 02:06	11/23/20 17:49	1
Acenaphthylene	<4.3		32	4.3	ug/Kg	☼	11/21/20 02:06	11/23/20 17:49	1
Anthracene	<5.4		32	5.4	ug/Kg	☼	11/21/20 02:06	11/23/20 17:49	1
Benzo[a]anthracene	<4.4		32	4.4	ug/Kg	☼	11/21/20 02:06	11/23/20 17:49	1
Benzo[a]pyrene	<6.3		32	6.3	ug/Kg	☼	11/21/20 02:06	11/23/20 17:49	1
Benzo[b]fluoranthene	<7.0		32	7.0	ug/Kg	☼	11/21/20 02:06	11/23/20 17:49	1
Benzo[g,h,i]perylene	<10		32	10	ug/Kg	☼	11/21/20 02:06	11/23/20 17:49	1
Benzo[k]fluoranthene	<9.6		32	9.6	ug/Kg	☼	11/21/20 02:06	11/23/20 17:49	1
Chrysene	<8.9		32	8.9	ug/Kg	☼	11/21/20 02:06	11/23/20 17:49	1
Dibenz(a,h)anthracene	<6.3		32	6.3	ug/Kg	☼	11/21/20 02:06	11/23/20 17:49	1
Fluoranthene	<6.0		32	6.0	ug/Kg	☼	11/21/20 02:06	11/23/20 17:49	1
Fluorene	<4.6		32	4.6	ug/Kg	☼	11/21/20 02:06	11/23/20 17:49	1
Indeno[1,2,3-cd]pyrene	<8.4		32	8.4	ug/Kg	☼	11/21/20 02:06	11/23/20 17:49	1
Naphthalene	<5.0		32	5.0	ug/Kg	☼	11/21/20 02:06	11/23/20 17:49	1
Phenanthrene	<4.5		32	4.5	ug/Kg	☼	11/21/20 02:06	11/23/20 17:49	1
Pyrene	<6.5		32	6.5	ug/Kg	☼	11/21/20 02:06	11/23/20 17:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	93		43 - 145	11/21/20 02:06	11/23/20 17:49	1
Nitrobenzene-d5 (Surr)	74		37 - 147	11/21/20 02:06	11/23/20 17:49	1
Terphenyl-d14 (Surr)	95		42 - 157	11/21/20 02:06	11/23/20 17:49	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-6S 4-6 ft
Date Collected: 11/11/20 13:00
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191136-3
Matrix: Solid
Percent Solids: 97.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.76	J	0.95	0.33	mg/Kg	✧	11/25/20 06:55	11/25/20 19:34	1
Barium	25		0.95	0.11	mg/Kg	✧	11/25/20 06:55	11/25/20 19:34	1
Cadmium	<0.034		0.19	0.034	mg/Kg	✧	11/25/20 06:55	11/25/20 19:34	1
Chromium	8.8		0.95	0.47	mg/Kg	✧	11/25/20 06:55	11/25/20 19:34	1
Lead	1.2		0.48	0.22	mg/Kg	✧	11/25/20 06:55	11/25/20 19:34	1
Selenium	<0.56		0.95	0.56	mg/Kg	✧	11/25/20 06:55	11/25/20 19:34	1
Silver	<0.12		0.48	0.12	mg/Kg	✧	11/25/20 06:55	11/25/20 19:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0056		0.017	0.0056	mg/Kg	✧	11/25/20 14:00	11/27/20 07:39	1



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-6S 10-12 ft

Lab Sample ID: 500-191136-4

Date Collected: 11/11/20 13:40

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 96.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<47		100	47	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
1,1,1-Trichloroethane	<38		100	38	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
1,1,2,2-Tetrachloroethane	<40		100	40	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
1,1,2-Trichloroethane	<36		100	36	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
1,1-Dichloroethane	<41		100	41	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
1,1-Dichloroethene	<39		100	39	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
1,1-Dichloropropene	<30		100	30	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
1,2,3-Trichlorobenzene	<46		100	46	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
1,2,3-Trichloropropane	<42		200	42	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
1,2,4-Trichlorobenzene	<35		100	35	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
1,2,4-Trimethylbenzene	<36		100	36	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
1,2-Dibromo-3-Chloropropane	<200		500	200	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
1,2-Dibromoethane	<39		100	39	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
1,2-Dichlorobenzene	<34		100	34	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
1,2-Dichloroethane	<40		100	40	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
1,2-Dichloropropane	<43		100	43	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
1,3,5-Trimethylbenzene	<38		100	38	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
1,3-Dichlorobenzene	<40		100	40	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
1,3-Dichloropropane	<37		100	37	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
1,4-Dichlorobenzene	<37		100	37	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
2,2-Dichloropropane	<45		100	45	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
2-Chlorotoluene	<32		100	32	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
4-Chlorotoluene	<35		100	35	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Benzene	<15		25	15	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Bromobenzene	<36		100	36	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Bromochloromethane	<43		100	43	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Bromodichloromethane	<38		100	38	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Bromoform	<49		100	49	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Bromomethane	<80		300	80	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Carbon tetrachloride	<39		100	39	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Chlorobenzene	<39		100	39	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Chloroethane	<51 *		100	51	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Chloroform	<37		200	37	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Chloromethane	<32		100	32	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
cis-1,2-Dichloroethene	<41		100	41	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
cis-1,3-Dichloropropene	<42		100	42	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Dibromochloromethane	<49		100	49	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Dibromomethane	<27		100	27	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Dichlorodifluoromethane	<68		300	68	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Ethylbenzene	<18		25	18	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Hexachlorobutadiene	<45		100	45	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Isopropyl ether	<28		100	28	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Isopropylbenzene	<39		100	39	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Methyl tert-butyl ether	<40		100	40	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Methylene Chloride	<160		500	160	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Naphthalene	<34		100	34	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
n-Butylbenzene	<39		100	39	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
N-Propylbenzene	<42		100	42	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
p-Isopropyltoluene	<37		100	37	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-6S 10-12 ft

Lab Sample ID: 500-191136-4

Date Collected: 11/11/20 13:40

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 96.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<40		100	40	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Styrene	<39		100	39	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
tert-Butylbenzene	<40		100	40	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Tetrachloroethene	<37		100	37	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Toluene	<15		25	15	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
trans-1,2-Dichloroethene	<35		100	35	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
trans-1,3-Dichloropropene	<37		100	37	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Trichloroethene	<17		50	17	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Trichlorofluoromethane	<43		100	43	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Vinyl chloride	<26		100	26	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50
Xylenes, Total	<22		50	22	ug/Kg	☼	11/11/20 13:40	11/24/20 04:23	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		75 - 126	11/11/20 13:40	11/24/20 04:23	50
4-Bromofluorobenzene (Surr)	104		72 - 124	11/11/20 13:40	11/24/20 04:23	50
Dibromofluoromethane (Surr)	108		75 - 120	11/11/20 13:40	11/24/20 04:23	50
Toluene-d8 (Surr)	104		75 - 120	11/11/20 13:40	11/24/20 04:23	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.4		69	8.4	ug/Kg	☼	11/21/20 02:06	11/23/20 18:18	1
2-Methylnaphthalene	<6.3		69	6.3	ug/Kg	☼	11/21/20 02:06	11/23/20 18:18	1
Acenaphthene	<6.2		34	6.2	ug/Kg	☼	11/21/20 02:06	11/23/20 18:18	1
Acenaphthylene	<4.5		34	4.5	ug/Kg	☼	11/21/20 02:06	11/23/20 18:18	1
Anthracene	<5.7		34	5.7	ug/Kg	☼	11/21/20 02:06	11/23/20 18:18	1
Benzo[a]anthracene	<4.6		34	4.6	ug/Kg	☼	11/21/20 02:06	11/23/20 18:18	1
Benzo[a]pyrene	<6.6		34	6.6	ug/Kg	☼	11/21/20 02:06	11/23/20 18:18	1
Benzo[b]fluoranthene	<7.4		34	7.4	ug/Kg	☼	11/21/20 02:06	11/23/20 18:18	1
Benzo[g,h,i]perylene	<11		34	11	ug/Kg	☼	11/21/20 02:06	11/23/20 18:18	1
Benzo[k]fluoranthene	<10		34	10	ug/Kg	☼	11/21/20 02:06	11/23/20 18:18	1
Chrysene	<9.3		34	9.3	ug/Kg	☼	11/21/20 02:06	11/23/20 18:18	1
Dibenz(a,h)anthracene	<6.6		34	6.6	ug/Kg	☼	11/21/20 02:06	11/23/20 18:18	1
Fluoranthene	<6.4		34	6.4	ug/Kg	☼	11/21/20 02:06	11/23/20 18:18	1
Fluorene	<4.8		34	4.8	ug/Kg	☼	11/21/20 02:06	11/23/20 18:18	1
Indeno[1,2,3-cd]pyrene	<8.9		34	8.9	ug/Kg	☼	11/21/20 02:06	11/23/20 18:18	1
Naphthalene	<5.3		34	5.3	ug/Kg	☼	11/21/20 02:06	11/23/20 18:18	1
Phenanthrene	<4.8		34	4.8	ug/Kg	☼	11/21/20 02:06	11/23/20 18:18	1
Pyrene	<6.8		34	6.8	ug/Kg	☼	11/21/20 02:06	11/23/20 18:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	96		43 - 145	11/21/20 02:06	11/23/20 18:18	1
Nitrobenzene-d5 (Surr)	75		37 - 147	11/21/20 02:06	11/23/20 18:18	1
Terphenyl-d14 (Surr)	98		42 - 157	11/21/20 02:06	11/23/20 18:18	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-6S 10-12 ft
Date Collected: 11/11/20 13:40
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191136-4
Matrix: Solid
Percent Solids: 96.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.88	J	0.93	0.32	mg/Kg	☆	11/25/20 06:55	11/25/20 19:37	1
Barium	18		0.93	0.11	mg/Kg	☆	11/25/20 06:55	11/25/20 19:37	1
Cadmium	<0.034		0.19	0.034	mg/Kg	☆	11/25/20 06:55	11/25/20 19:37	1
Chromium	7.8		0.93	0.46	mg/Kg	☆	11/25/20 06:55	11/25/20 19:37	1
Lead	1.1		0.47	0.22	mg/Kg	☆	11/25/20 06:55	11/25/20 19:37	1
Selenium	<0.55		0.93	0.55	mg/Kg	☆	11/25/20 06:55	11/25/20 19:37	1
Silver	<0.12		0.47	0.12	mg/Kg	☆	11/25/20 06:55	11/25/20 19:37	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0053		0.016	0.0053	mg/Kg	☆	11/25/20 14:00	11/27/20 07:41	1



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-4S 2-4 ft

Lab Sample ID: 500-191136-5

Date Collected: 11/12/20 09:30

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 97.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<46		99	46	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
1,1,1-Trichloroethane	<38		99	38	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
1,1,2,2-Tetrachloroethane	<39		99	39	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
1,1,2-Trichloroethane	<35		99	35	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
1,1-Dichloroethane	<41		99	41	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
1,1-Dichloroethene	<39		99	39	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
1,1-Dichloropropene	<30		99	30	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
1,2,3-Trichlorobenzene	<45		99	45	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
1,2,3-Trichloropropane	<41		200	41	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
1,2,4-Trichlorobenzene	<34		99	34	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
1,2,4-Trimethylbenzene	<36		99	36	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
1,2-Dibromo-3-Chloropropane	<200		500	200	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
1,2-Dibromoethane	<38		99	38	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
1,2-Dichlorobenzene	<33		99	33	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
1,2-Dichloroethane	<39		99	39	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
1,2-Dichloropropane	<42		99	42	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
1,3,5-Trimethylbenzene	<38		99	38	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
1,3-Dichlorobenzene	<40		99	40	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
1,3-Dichloropropane	<36		99	36	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
1,4-Dichlorobenzene	<36		99	36	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
2,2-Dichloropropane	<44		99	44	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
2-Chlorotoluene	<31		99	31	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
4-Chlorotoluene	<35		99	35	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Benzene	<14		25	14	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Bromobenzene	<35		99	35	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Bromochloromethane	<42		99	42	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Bromodichloromethane	<37		99	37	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Bromoform	<48		99	48	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Bromomethane	<79		300	79	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Carbon tetrachloride	<38		99	38	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Chlorobenzene	<38		99	38	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Chloroethane	<50 *		99	50	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Chloroform	<37		200	37	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Chloromethane	<32		99	32	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
cis-1,2-Dichloroethene	<40		99	40	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
cis-1,3-Dichloropropene	<41		99	41	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Dibromochloromethane	<48		99	48	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Dibromomethane	<27		99	27	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Dichlorodifluoromethane	<67		300	67	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Ethylbenzene	<18		25	18	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Hexachlorobutadiene	<44		99	44	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Isopropyl ether	<27		99	27	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Isopropylbenzene	<38		99	38	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Methyl tert-butyl ether	<39		99	39	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Methylene Chloride	<160		500	160	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Naphthalene	<33		99	33	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
n-Butylbenzene	<39		99	39	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
N-Propylbenzene	<41		99	41	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
p-Isopropyltoluene	<36		99	36	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-4S 2-4 ft

Lab Sample ID: 500-191136-5

Date Collected: 11/12/20 09:30

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 97.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<39		99	39	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Styrene	<38		99	38	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
tert-Butylbenzene	<39		99	39	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Tetrachloroethene	<37		99	37	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Toluene	<15		25	15	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
trans-1,2-Dichloroethene	<35		99	35	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
trans-1,3-Dichloropropene	<36		99	36	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Trichloroethene	<16		50	16	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Trichlorofluoromethane	<42		99	42	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Vinyl chloride	<26		99	26	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Xylenes, Total	<22		50	22	ug/Kg	☼	11/12/20 09:30	11/24/20 04:50	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		75 - 126				11/12/20 09:30	11/24/20 04:50	50
4-Bromofluorobenzene (Surr)	105		72 - 124				11/12/20 09:30	11/24/20 04:50	50
Dibromofluoromethane (Surr)	106		75 - 120				11/12/20 09:30	11/24/20 04:50	50
Toluene-d8 (Surr)	104		75 - 120				11/12/20 09:30	11/24/20 04:50	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.1		67	8.1	ug/Kg	☼	11/21/20 02:06	11/23/20 18:46	1
2-Methylnaphthalene	<6.1		67	6.1	ug/Kg	☼	11/21/20 02:06	11/23/20 18:46	1
Acenaphthene	<6.0		33	6.0	ug/Kg	☼	11/21/20 02:06	11/23/20 18:46	1
Acenaphthylene	<4.4		33	4.4	ug/Kg	☼	11/21/20 02:06	11/23/20 18:46	1
Anthracene	<5.6		33	5.6	ug/Kg	☼	11/21/20 02:06	11/23/20 18:46	1
Benzo[a]anthracene	<4.5		33	4.5	ug/Kg	☼	11/21/20 02:06	11/23/20 18:46	1
Benzo[a]pyrene	<6.5		33	6.5	ug/Kg	☼	11/21/20 02:06	11/23/20 18:46	1
Benzo[b]fluoranthene	<7.2		33	7.2	ug/Kg	☼	11/21/20 02:06	11/23/20 18:46	1
Benzo[g,h,i]perylene	<11		33	11	ug/Kg	☼	11/21/20 02:06	11/23/20 18:46	1
Benzo[k]fluoranthene	<9.8		33	9.8	ug/Kg	☼	11/21/20 02:06	11/23/20 18:46	1
Chrysene	<9.1		33	9.1	ug/Kg	☼	11/21/20 02:06	11/23/20 18:46	1
Dibenz(a,h)anthracene	<6.4		33	6.4	ug/Kg	☼	11/21/20 02:06	11/23/20 18:46	1
Fluoranthene	<6.2		33	6.2	ug/Kg	☼	11/21/20 02:06	11/23/20 18:46	1
Fluorene	<4.7		33	4.7	ug/Kg	☼	11/21/20 02:06	11/23/20 18:46	1
Indeno[1,2,3-cd]pyrene	<8.6		33	8.6	ug/Kg	☼	11/21/20 02:06	11/23/20 18:46	1
Naphthalene	<5.1		33	5.1	ug/Kg	☼	11/21/20 02:06	11/23/20 18:46	1
Phenanthrene	<4.6		33	4.6	ug/Kg	☼	11/21/20 02:06	11/23/20 18:46	1
Pyrene	<6.6		33	6.6	ug/Kg	☼	11/21/20 02:06	11/23/20 18:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	94		43 - 145				11/21/20 02:06	11/23/20 18:46	1
Nitrobenzene-d5 (Surr)	72		37 - 147				11/21/20 02:06	11/23/20 18:46	1
Terphenyl-d14 (Surr)	96		42 - 157				11/21/20 02:06	11/23/20 18:46	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-4S 2-4 ft

Lab Sample ID: 500-191136-5

Date Collected: 11/12/20 09:30

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 97.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.0		0.96	0.33	mg/Kg	☆	11/25/20 06:55	11/25/20 19:41	1
Barium	12		0.96	0.11	mg/Kg	☆	11/25/20 06:55	11/25/20 19:41	1
Cadmium	<0.035		0.19	0.035	mg/Kg	☆	11/25/20 06:55	11/25/20 19:41	1
Chromium	5.9		0.96	0.48	mg/Kg	☆	11/25/20 06:55	11/25/20 19:41	1
Lead	1.3		0.48	0.22	mg/Kg	☆	11/25/20 06:55	11/25/20 19:41	1
Selenium	<0.56		0.96	0.56	mg/Kg	☆	11/25/20 06:55	11/25/20 19:41	1
Silver	<0.12		0.48	0.12	mg/Kg	☆	11/25/20 06:55	11/25/20 19:41	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0055		0.017	0.0055	mg/Kg	☆	11/25/20 14:00	11/27/20 07:42	1



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-4S 34-36 ft

Lab Sample ID: 500-191136-6

Date Collected: 11/12/20 11:45

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 97.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<41		89	41	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
1,1,1-Trichloroethane	<34		89	34	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
1,1,2,2-Tetrachloroethane	<36		89	36	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
1,1,2-Trichloroethane	<31		89	31	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
1,1-Dichloroethane	<37		89	37	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
1,1-Dichloroethene	<35		89	35	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
1,1-Dichloropropene	<27		89	27	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
1,2,3-Trichlorobenzene	<41		89	41	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
1,2,3-Trichloropropane	<37		180	37	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
1,2,4-Trichlorobenzene	<31		89	31	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
1,2,4-Trimethylbenzene	<32		89	32	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
1,2-Dibromo-3-Chloropropane	<180		450	180	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
1,2-Dibromoethane	<34		89	34	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
1,2-Dichlorobenzene	<30		89	30	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
1,2-Dichloroethane	<35		89	35	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
1,2-Dichloropropane	<38		89	38	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
1,3,5-Trimethylbenzene	<34		89	34	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
1,3-Dichlorobenzene	<36		89	36	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
1,3-Dichloropropane	<32		89	32	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
1,4-Dichlorobenzene	<33		89	33	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
2,2-Dichloropropane	<40		89	40	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
2-Chlorotoluene	<28		89	28	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
4-Chlorotoluene	<31		89	31	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Benzene	<13		22	13	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Bromobenzene	<32		89	32	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Bromochloromethane	<38		89	38	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Bromodichloromethane	<33		89	33	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Bromoform	<43		89	43	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Bromomethane	<71		270	71	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Carbon tetrachloride	<34		89	34	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Chlorobenzene	<34		89	34	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Chloroethane	<45 *		89	45	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Chloroform	<33		180	33	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Chloromethane	<29		89	29	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
cis-1,2-Dichloroethene	<36		89	36	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
cis-1,3-Dichloropropene	<37		89	37	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Dibromochloromethane	<44		89	44	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Dibromomethane	<24		89	24	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Dichlorodifluoromethane	<60		270	60	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Ethylbenzene	<16		22	16	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Hexachlorobutadiene	<40		89	40	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Isopropyl ether	<25		89	25	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Isopropylbenzene	<34		89	34	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Methyl tert-butyl ether	<35		89	35	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Methylene Chloride	<150		450	150	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Naphthalene	<30		89	30	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
n-Butylbenzene	<35		89	35	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
N-Propylbenzene	<37		89	37	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
p-Isopropyltoluene	<32		89	32	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-4S 34-36 ft

Lab Sample ID: 500-191136-6

Date Collected: 11/12/20 11:45

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 97.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<36		89	36	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Styrene	<34		89	34	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
tert-Butylbenzene	<36		89	36	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Tetrachloroethene	<33		89	33	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Toluene	<13		22	13	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
trans-1,2-Dichloroethene	<31		89	31	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
trans-1,3-Dichloropropene	<32		89	32	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Trichloroethene	<15		45	15	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Trichlorofluoromethane	<38		89	38	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Vinyl chloride	<23		89	23	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50
Xylenes, Total	<20		45	20	ug/Kg	☼	11/12/20 11:45	11/24/20 05:16	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		75 - 126	11/12/20 11:45	11/24/20 05:16	50
4-Bromofluorobenzene (Surr)	107		72 - 124	11/12/20 11:45	11/24/20 05:16	50
Dibromofluoromethane (Surr)	105		75 - 120	11/12/20 11:45	11/24/20 05:16	50
Toluene-d8 (Surr)	102		75 - 120	11/12/20 11:45	11/24/20 05:16	50

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.1		67	8.1	ug/Kg	☼	11/21/20 02:06	11/23/20 19:15	1
2-Methylnaphthalene	<6.1		67	6.1	ug/Kg	☼	11/21/20 02:06	11/23/20 19:15	1
Acenaphthene	<5.9		33	5.9	ug/Kg	☼	11/21/20 02:06	11/23/20 19:15	1
Acenaphthylene	<4.3		33	4.3	ug/Kg	☼	11/21/20 02:06	11/23/20 19:15	1
Anthracene	<5.5		33	5.5	ug/Kg	☼	11/21/20 02:06	11/23/20 19:15	1
Benzo[a]anthracene	<4.4		33	4.4	ug/Kg	☼	11/21/20 02:06	11/23/20 19:15	1
Benzo[a]pyrene	<6.4		33	6.4	ug/Kg	☼	11/21/20 02:06	11/23/20 19:15	1
Benzo[b]fluoranthene	<7.1		33	7.1	ug/Kg	☼	11/21/20 02:06	11/23/20 19:15	1
Benzo[g,h,i]perylene	<11		33	11	ug/Kg	☼	11/21/20 02:06	11/23/20 19:15	1
Benzo[k]fluoranthene	<9.7		33	9.7	ug/Kg	☼	11/21/20 02:06	11/23/20 19:15	1
Chrysene	<9.0		33	9.0	ug/Kg	☼	11/21/20 02:06	11/23/20 19:15	1
Dibenz(a,h)anthracene	<6.4		33	6.4	ug/Kg	☼	11/21/20 02:06	11/23/20 19:15	1
Fluoranthene	<6.1		33	6.1	ug/Kg	☼	11/21/20 02:06	11/23/20 19:15	1
Fluorene	<4.6		33	4.6	ug/Kg	☼	11/21/20 02:06	11/23/20 19:15	1
Indeno[1,2,3-cd]pyrene	<8.5		33	8.5	ug/Kg	☼	11/21/20 02:06	11/23/20 19:15	1
Naphthalene	<5.1		33	5.1	ug/Kg	☼	11/21/20 02:06	11/23/20 19:15	1
Phenanthrene	<4.6		33	4.6	ug/Kg	☼	11/21/20 02:06	11/23/20 19:15	1
Pyrene	<6.6		33	6.6	ug/Kg	☼	11/21/20 02:06	11/23/20 19:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	95		43 - 145	11/21/20 02:06	11/23/20 19:15	1
Nitrobenzene-d5 (Surr)	74		37 - 147	11/21/20 02:06	11/23/20 19:15	1
Terphenyl-d14 (Surr)	98		42 - 157	11/21/20 02:06	11/23/20 19:15	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-4S 34-36 ft
Date Collected: 11/12/20 11:45
Date Received: 11/14/20 10:10

Lab Sample ID: 500-191136-6
Matrix: Solid
Percent Solids: 97.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.86	J	0.90	0.31	mg/Kg	✧	11/25/20 06:55	11/25/20 19:44	1
Barium	23		0.90	0.10	mg/Kg	✧	11/25/20 06:55	11/25/20 19:44	1
Cadmium	<0.032		0.18	0.032	mg/Kg	✧	11/25/20 06:55	11/25/20 19:44	1
Chromium	15		0.90	0.45	mg/Kg	✧	11/25/20 06:55	11/25/20 19:44	1
Lead	1.5		0.45	0.21	mg/Kg	✧	11/25/20 06:55	11/25/20 19:44	1
Selenium	<0.53		0.90	0.53	mg/Kg	✧	11/25/20 06:55	11/25/20 19:44	1
Silver	<0.12		0.45	0.12	mg/Kg	✧	11/25/20 06:55	11/25/20 19:44	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0054		0.016	0.0054	mg/Kg	✧	11/25/20 14:00	11/27/20 07:44	1



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-4S 34-36 FT Duplicate

Lab Sample ID: 500-191136-7

Date Collected: 11/12/20 11:45

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 97.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<49		110	49	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
1,1,1-Trichloroethane	<40		110	40	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
1,1,2,2-Tetrachloroethane	<42		110	42	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
1,1,2-Trichloroethane	<37		110	37	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
1,1-Dichloroethane	<44		110	44	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
1,1-Dichloroethene	<41		110	41	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
1,1-Dichloropropene	<32		110	32	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
1,2,3-Trichlorobenzene	<49		110	49	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
1,2,3-Trichloropropane	<44		210	44	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
1,2,4-Trichlorobenzene	<36		110	36	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
1,2,4-Trimethylbenzene	<38		110	38	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
1,2-Dibromo-3-Chloropropane	<210		530	210	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
1,2-Dibromoethane	<41		110	41	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
1,2-Dichlorobenzene	<36		110	36	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
1,2-Dichloroethane	<42		110	42	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
1,2-Dichloropropane	<46		110	46	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
1,3,5-Trimethylbenzene	<40		110	40	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
1,3-Dichlorobenzene	<43		110	43	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
1,3-Dichloropropane	<39		110	39	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
1,4-Dichlorobenzene	<39		110	39	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
2,2-Dichloropropane	<47		110	47	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
2-Chlorotoluene	<33		110	33	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
4-Chlorotoluene	<37		110	37	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Benzene	<16		27	16	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Bromobenzene	<38		110	38	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Bromochloromethane	<46		110	46	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Bromodichloromethane	<40		110	40	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Bromoform	<51		110	51	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Bromomethane	<85		320	85	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Carbon tetrachloride	<41		110	41	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Chlorobenzene	<41		110	41	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Chloroethane	<54	* F1	110	54	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Chloroform	<39		210	39	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Chloromethane	<34		110	34	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
cis-1,2-Dichloroethene	<43		110	43	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
cis-1,3-Dichloropropene	<44		110	44	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Dibromochloromethane	<52		110	52	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Dibromomethane	<29		110	29	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Dichlorodifluoromethane	<72		320	72	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Ethylbenzene	<19		27	19	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Hexachlorobutadiene	<47		110	47	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Isopropyl ether	<29		110	29	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Isopropylbenzene	<41		110	41	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Methyl tert-butyl ether	<42		110	42	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Methylene Chloride	<170		530	170	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Naphthalene	<36		110	36	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
n-Butylbenzene	<41		110	41	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
N-Propylbenzene	<44		110	44	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
p-Isopropyltoluene	<39		110	39	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50

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Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-4S 34-36 FT Duplicate

Lab Sample ID: 500-191136-7

Date Collected: 11/12/20 11:45

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 97.3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<42		110	42	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Styrene	<41		110	41	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
tert-Butylbenzene	<42		110	42	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Tetrachloroethene	<39		110	39	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Toluene	<16		27	16	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
trans-1,2-Dichloroethene	<37		110	37	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
trans-1,3-Dichloropropene	<39		110	39	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Trichloroethene	<17		53	17	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Trichlorofluoromethane	<46		110	46	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Vinyl chloride	<28		110	28	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50
Xylenes, Total	<23		53	23	ug/Kg	☼	11/12/20 11:45	11/24/20 05:43	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	124		75 - 126	11/12/20 11:45	11/24/20 05:43	50
4-Bromofluorobenzene (Surr)	107		72 - 124	11/12/20 11:45	11/24/20 05:43	50
Dibromofluoromethane (Surr)	106		75 - 120	11/12/20 11:45	11/24/20 05:43	50
Toluene-d8 (Surr)	103		75 - 120	11/12/20 11:45	11/24/20 05:43	50

Definitions/Glossary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
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.

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

QC Association Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

GC/MS VOA

Prep Batch: 573408

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191136-1	MW-5S 4-6 ft	Total/NA	Solid	5035	
500-191136-2	MW-5S 12-14 ft	Total/NA	Solid	5035	
500-191136-3	MW-6S 4-6 ft	Total/NA	Solid	5035	
500-191136-4	MW-6S 10-12 ft	Total/NA	Solid	5035	
500-191136-5	MW-4S 2-4 ft	Total/NA	Solid	5035	
500-191136-6	MW-4S 34-36 ft	Total/NA	Solid	5035	
500-191136-7	MW-4S 34-36 FT Duplicate	Total/NA	Solid	5035	
LB3 500-573408/21-A	Method Blank	Total/NA	Solid	5035	
LCS 500-573408/22-A	Lab Control Sample	Total/NA	Solid	5035	
500-191136-7 MS	MW-4S 34-36 FT Duplicate	Total/NA	Solid	5035	
500-191136-7 MSD	MW-4S 34-36 FT Duplicate	Total/NA	Solid	5035	

Analysis Batch: 573633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191136-1	MW-5S 4-6 ft	Total/NA	Solid	8260B	573408
500-191136-2	MW-5S 12-14 ft	Total/NA	Solid	8260B	573408
500-191136-3	MW-6S 4-6 ft	Total/NA	Solid	8260B	573408
500-191136-4	MW-6S 10-12 ft	Total/NA	Solid	8260B	573408
500-191136-5	MW-4S 2-4 ft	Total/NA	Solid	8260B	573408
500-191136-6	MW-4S 34-36 ft	Total/NA	Solid	8260B	573408
500-191136-7	MW-4S 34-36 FT Duplicate	Total/NA	Solid	8260B	573408
LB3 500-573408/21-A	Method Blank	Total/NA	Solid	8260B	573408
MB 500-573633/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-573408/22-A	Lab Control Sample	Total/NA	Solid	8260B	573408
LCS 500-573633/4	Lab Control Sample	Total/NA	Solid	8260B	
500-191136-7 MS	MW-4S 34-36 FT Duplicate	Total/NA	Solid	8260B	573408
500-191136-7 MSD	MW-4S 34-36 FT Duplicate	Total/NA	Solid	8260B	573408

GC/MS Semi VOA

Prep Batch: 573411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191136-1	MW-5S 4-6 ft	Total/NA	Solid	3541	
500-191136-2	MW-5S 12-14 ft	Total/NA	Solid	3541	
500-191136-3	MW-6S 4-6 ft	Total/NA	Solid	3541	
500-191136-4	MW-6S 10-12 ft	Total/NA	Solid	3541	
500-191136-5	MW-4S 2-4 ft	Total/NA	Solid	3541	
500-191136-6	MW-4S 34-36 ft	Total/NA	Solid	3541	
MB 500-573411/1-A	Method Blank	Total/NA	Solid	3541	
LCS 500-573411/2-A	Lab Control Sample	Total/NA	Solid	3541	
500-191136-1 MS	MW-5S 4-6 ft	Total/NA	Solid	3541	
500-191136-1 MSD	MW-5S 4-6 ft	Total/NA	Solid	3541	

Analysis Batch: 573568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191136-1	MW-5S 4-6 ft	Total/NA	Solid	8270D	573411
500-191136-2	MW-5S 12-14 ft	Total/NA	Solid	8270D	573411
500-191136-3	MW-6S 4-6 ft	Total/NA	Solid	8270D	573411
500-191136-4	MW-6S 10-12 ft	Total/NA	Solid	8270D	573411
500-191136-5	MW-4S 2-4 ft	Total/NA	Solid	8270D	573411
500-191136-6	MW-4S 34-36 ft	Total/NA	Solid	8270D	573411

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QC Association Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

GC/MS Semi VOA (Continued)

Analysis Batch: 573568 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191136-1 MS	MW-5S 4-6 ft	Total/NA	Solid	8270D	573411
500-191136-1 MSD	MW-5S 4-6 ft	Total/NA	Solid	8270D	573411

Analysis Batch: 573611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-573411/1-A	Method Blank	Total/NA	Solid	8270D	573411
LCS 500-573411/2-A	Lab Control Sample	Total/NA	Solid	8270D	573411

HPLC/IC

Drying Batch: 517975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191136-1	MW-5S 4-6 ft	Total/NA	Solid	Prep/Air Dry	
500-191136-2	MW-5S 12-14 ft	Total/NA	Solid	Prep/Air Dry	
500-191136-3	MW-6S 4-6 ft	Total/NA	Solid	Prep/Air Dry	
500-191136-4	MW-6S 10-12 ft	Total/NA	Solid	Prep/Air Dry	
500-191136-5	MW-4S 2-4 ft	Total/NA	Solid	Prep/Air Dry	
500-191136-6	MW-4S 34-36 ft	Total/NA	Solid	Prep/Air Dry	
500-191136-2 MS	MW-5S 12-14 ft	Total/NA	Solid	Prep/Air Dry	
500-191136-2 MSD	MW-5S 12-14 ft	Total/NA	Solid	Prep/Air Dry	

Prep Batch: 518205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191136-1	MW-5S 4-6 ft	Total/NA	Solid	Sieve/Ultrasoni	517975
500-191136-2	MW-5S 12-14 ft	Total/NA	Solid	Sieve/Ultrasoni	517975
500-191136-3	MW-6S 4-6 ft	Total/NA	Solid	Sieve/Ultrasoni	517975
500-191136-4	MW-6S 10-12 ft	Total/NA	Solid	Sieve/Ultrasoni	517975
500-191136-5	MW-4S 2-4 ft	Total/NA	Solid	Sieve/Ultrasoni	517975
500-191136-6	MW-4S 34-36 ft	Total/NA	Solid	Sieve/Ultrasoni	517975
MB 280-518205/1-A	Method Blank	Total/NA	Solid	Sieve/Ultrasoni	
LCS 280-518205/2-A	Lab Control Sample	Total/NA	Solid	Sieve/Ultrasoni	
500-191136-2 MS	MW-5S 12-14 ft	Total/NA	Solid	Sieve/Ultrasoni	517975
500-191136-2 MSD	MW-5S 12-14 ft	Total/NA	Solid	Sieve/Ultrasoni	517975

Analysis Batch: 518935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191136-1	MW-5S 4-6 ft	Total/NA	Solid	8330A	518205
500-191136-2	MW-5S 12-14 ft	Total/NA	Solid	8330A	518205
500-191136-3	MW-6S 4-6 ft	Total/NA	Solid	8330A	518205
500-191136-4	MW-6S 10-12 ft	Total/NA	Solid	8330A	518205
500-191136-5	MW-4S 2-4 ft	Total/NA	Solid	8330A	518205
500-191136-6	MW-4S 34-36 ft	Total/NA	Solid	8330A	518205
MB 280-518205/1-A	Method Blank	Total/NA	Solid	8330A	518205
LCS 280-518205/2-A	Lab Control Sample	Total/NA	Solid	8330A	518205
500-191136-2 MS	MW-5S 12-14 ft	Total/NA	Solid	8330A	518205
500-191136-2 MSD	MW-5S 12-14 ft	Total/NA	Solid	8330A	518205

Metals

Prep Batch: 573954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191136-1	MW-5S 4-6 ft	Total/NA	Solid	3050B	

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QC Association Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

Metals (Continued)

Prep Batch: 573954 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191136-2	MW-5S 12-14 ft	Total/NA	Solid	3050B	
500-191136-3	MW-6S 4-6 ft	Total/NA	Solid	3050B	
500-191136-4	MW-6S 10-12 ft	Total/NA	Solid	3050B	
500-191136-5	MW-4S 2-4 ft	Total/NA	Solid	3050B	
500-191136-6	MW-4S 34-36 ft	Total/NA	Solid	3050B	
MB 500-573954/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 500-573954/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 574058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191136-1	MW-5S 4-6 ft	Total/NA	Solid	7471B	
500-191136-2	MW-5S 12-14 ft	Total/NA	Solid	7471B	
500-191136-3	MW-6S 4-6 ft	Total/NA	Solid	7471B	
500-191136-4	MW-6S 10-12 ft	Total/NA	Solid	7471B	
500-191136-5	MW-4S 2-4 ft	Total/NA	Solid	7471B	
500-191136-6	MW-4S 34-36 ft	Total/NA	Solid	7471B	
MB 500-574058/12-A	Method Blank	Total/NA	Solid	7471B	
LCS 500-574058/13-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 574156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191136-1	MW-5S 4-6 ft	Total/NA	Solid	6010C	573954
500-191136-2	MW-5S 12-14 ft	Total/NA	Solid	6010C	573954
500-191136-3	MW-6S 4-6 ft	Total/NA	Solid	6010C	573954
500-191136-4	MW-6S 10-12 ft	Total/NA	Solid	6010C	573954
500-191136-5	MW-4S 2-4 ft	Total/NA	Solid	6010C	573954
500-191136-6	MW-4S 34-36 ft	Total/NA	Solid	6010C	573954
MB 500-573954/1-A	Method Blank	Total/NA	Solid	6010C	573954
LCS 500-573954/2-A	Lab Control Sample	Total/NA	Solid	6010C	573954

Analysis Batch: 574191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191136-1	MW-5S 4-6 ft	Total/NA	Solid	7471B	574058
500-191136-2	MW-5S 12-14 ft	Total/NA	Solid	7471B	574058
500-191136-3	MW-6S 4-6 ft	Total/NA	Solid	7471B	574058
500-191136-4	MW-6S 10-12 ft	Total/NA	Solid	7471B	574058
500-191136-5	MW-4S 2-4 ft	Total/NA	Solid	7471B	574058
500-191136-6	MW-4S 34-36 ft	Total/NA	Solid	7471B	574058
MB 500-574058/12-A	Method Blank	Total/NA	Solid	7471B	574058
LCS 500-574058/13-A	Lab Control Sample	Total/NA	Solid	7471B	574058

General Chemistry

Analysis Batch: 572803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191136-1	MW-5S 4-6 ft	Total/NA	Solid	Moisture	
500-191136-2	MW-5S 12-14 ft	Total/NA	Solid	Moisture	
500-191136-3	MW-6S 4-6 ft	Total/NA	Solid	Moisture	
500-191136-4	MW-6S 10-12 ft	Total/NA	Solid	Moisture	
500-191136-5	MW-4S 2-4 ft	Total/NA	Solid	Moisture	
500-191136-6	MW-4S 34-36 ft	Total/NA	Solid	Moisture	

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QC Association Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

General Chemistry (Continued)

Analysis Batch: 572803 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191136-7	MW-4S 34-36 FT Duplicate	Total/NA	Solid	Moisture	

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Surrogate Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
500-191136-1	MW-5S 4-6 ft	120	104	107	104
500-191136-2	MW-5S 12-14 ft	120	108	104	103
500-191136-3	MW-6S 4-6 ft	122	107	109	104
500-191136-4	MW-6S 10-12 ft	120	104	108	104
500-191136-5	MW-4S 2-4 ft	122	105	106	104
500-191136-6	MW-4S 34-36 ft	122	107	105	102
500-191136-7	MW-4S 34-36 FT Duplicate	124	107	106	103
500-191136-7 MS	MW-4S 34-36 FT Duplicate	115	106	101	105
500-191136-7 MSD	MW-4S 34-36 FT Duplicate	115	106	103	105
LB3 500-573408/21-A	Method Blank	115	106	105	105
LCS 500-573408/22-A	Lab Control Sample	113	104	100	106
LCS 500-573633/4	Lab Control Sample	111	104	100	106
MB 500-573633/6	Method Blank	114	103	105	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (43-145)	NBZ (37-147)	TPHL (42-157)
500-191136-1	MW-5S 4-6 ft	89	70	89
500-191136-1 MS	MW-5S 4-6 ft	100	77	95
500-191136-1 MSD	MW-5S 4-6 ft	95	72	90
500-191136-2	MW-5S 12-14 ft	96	76	98
500-191136-3	MW-6S 4-6 ft	93	74	95
500-191136-4	MW-6S 10-12 ft	96	75	98
500-191136-5	MW-4S 2-4 ft	94	72	96
500-191136-6	MW-4S 34-36 ft	95	74	98
LCS 500-573411/2-A	Lab Control Sample	91	94	96
MB 500-573411/1-A	Method Blank	96	93	96

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHL = Terphenyl-d14 (Surr)

Surrogate Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

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QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-573408/21-A
Matrix: Solid
Analysis Batch: 573633

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 573408

Analyte	LB3	LB3	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
1,1-Dichloroethane	<21		50	21	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
1,1-Dichloroethene	<20		50	20	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
1,1-Dichloropropene	<15		50	15	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
1,2,3-Trichloropropane	<21		100	21	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
1,2-Dibromoethane	<19		50	19	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
1,2-Dichloroethane	<20		50	20	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
1,2-Dichloropropane	<21		50	21	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
1,3-Dichloropropane	<18		50	18	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
2,2-Dichloropropane	<22		50	22	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
2-Chlorotoluene	<16		50	16	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
4-Chlorotoluene	<18		50	18	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Benzene	<7.3		13	7.3	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Bromobenzene	<18		50	18	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Bromochloromethane	<21		50	21	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Bromodichloromethane	<19		50	19	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Bromoform	<24		50	24	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Bromomethane	<40		150	40	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Carbon tetrachloride	<19		50	19	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Chlorobenzene	<19		50	19	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Chloroethane	<25		50	25	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Chloroform	<19		100	19	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Chloromethane	<16		50	16	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Dibromochloromethane	<24		50	24	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Dibromomethane	<14		50	14	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Dichlorodifluoromethane	<34		150	34	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Hexachlorobutadiene	<22		50	22	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Isopropyl ether	<14		50	14	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Isopropylbenzene	<19		50	19	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Methylene Chloride	100	J	250	82	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Naphthalene	<17		50	17	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
n-Butylbenzene	<19		50	19	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
N-Propylbenzene	<21		50	21	ug/Kg		11/20/20 23:45	11/23/20 23:29	50

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB3 500-573408/21-A
Matrix: Solid
Analysis Batch: 573633

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 573408

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<18		50	18	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
sec-Butylbenzene	<20		50	20	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Styrene	<19		50	19	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
tert-Butylbenzene	<20		50	20	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Tetrachloroethene	<19		50	19	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Toluene	<7.4		13	7.4	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Trichloroethene	<8.2		25	8.2	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Trichlorofluoromethane	<21		50	21	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Vinyl chloride	<13		50	13	ug/Kg		11/20/20 23:45	11/23/20 23:29	50
Xylenes, Total	<11		25	11	ug/Kg		11/20/20 23:45	11/23/20 23:29	50

Surrogate	LB3 %Recovery	LB3 Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		75 - 126	11/20/20 23:45	11/23/20 23:29	50
4-Bromofluorobenzene (Surr)	106		72 - 124	11/20/20 23:45	11/23/20 23:29	50
Dibromofluoromethane (Surr)	105		75 - 120	11/20/20 23:45	11/23/20 23:29	50
Toluene-d8 (Surr)	105		75 - 120	11/20/20 23:45	11/23/20 23:29	50

Lab Sample ID: LCS 500-573408/22-A
Matrix: Solid
Analysis Batch: 573633

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 573408

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1,1,2-Tetrachloroethane	2500	2680		ug/Kg		107	70 - 125
1,1,1-Trichloroethane	2500	2620		ug/Kg		105	70 - 125
1,1,1,2,2-Tetrachloroethane	2500	2800		ug/Kg		112	62 - 140
1,1,1,2-Trichloroethane	2500	2920		ug/Kg		117	71 - 130
1,1-Dichloroethane	2500	2710		ug/Kg		108	70 - 125
1,1-Dichloroethene	2500	2190		ug/Kg		88	67 - 122
1,1-Dichloropropene	2500	2640		ug/Kg		105	70 - 121
1,2,3-Trichlorobenzene	2500	2400		ug/Kg		96	51 - 145
1,2,3-Trichloropropane	2500	3100		ug/Kg		124	50 - 133
1,2,4-Trichlorobenzene	2500	2240		ug/Kg		90	57 - 137
1,2,4-Trimethylbenzene	2500	2710		ug/Kg		108	70 - 123
1,2-Dibromo-3-Chloropropane	2500	2900		ug/Kg		116	56 - 123
1,2-Dibromoethane	2500	2800		ug/Kg		112	70 - 125
1,2-Dichlorobenzene	2500	2620		ug/Kg		105	70 - 125
1,2-Dichloroethane	2500	3060		ug/Kg		122	68 - 127
1,2-Dichloropropane	2500	3090		ug/Kg		124	67 - 130
1,3,5-Trimethylbenzene	2500	2710		ug/Kg		109	70 - 123
1,3-Dichlorobenzene	2500	2710		ug/Kg		108	70 - 125
1,3-Dichloropropane	2500	2880		ug/Kg		115	62 - 136
1,4-Dichlorobenzene	2500	2700		ug/Kg		108	70 - 120
2,2-Dichloropropane	2500	2560		ug/Kg		103	58 - 139
2-Chlorotoluene	2500	2690		ug/Kg		108	70 - 125
4-Chlorotoluene	2500	2750		ug/Kg		110	68 - 124
Benzene	2500	2580		ug/Kg		103	70 - 120

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QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-573408/22-A
Matrix: Solid
Analysis Batch: 573633

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 573408

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	2500	2710		ug/Kg		109	70 - 122
Bromochloromethane	2500	2640		ug/Kg		105	65 - 122
Bromodichloromethane	2500	2550		ug/Kg		102	69 - 120
Bromoform	2500	2840		ug/Kg		114	56 - 132
Bromomethane	2500	1870		ug/Kg		75	40 - 152
Carbon tetrachloride	2500	2560		ug/Kg		102	59 - 133
Chlorobenzene	2500	2810		ug/Kg		112	70 - 120
Chloroethane	2500	3470	*	ug/Kg		139	48 - 136
Chloroform	2500	2600		ug/Kg		104	70 - 120
Chloromethane	2500	2210		ug/Kg		88	56 - 152
cis-1,2-Dichloroethene	2500	2450		ug/Kg		98	70 - 125
cis-1,3-Dichloropropene	2500	2740		ug/Kg		110	64 - 127
Dibromochloromethane	2500	2810		ug/Kg		112	68 - 125
Dibromomethane	2500	2770		ug/Kg		111	70 - 120
Dichlorodifluoromethane	2500	1300		ug/Kg		52	40 - 159
Ethylbenzene	2500	2710		ug/Kg		108	70 - 123
Hexachlorobutadiene	2500	2390		ug/Kg		96	51 - 150
Isopropylbenzene	2500	2720		ug/Kg		109	70 - 126
Methyl tert-butyl ether	2500	2600		ug/Kg		104	55 - 123
Methylene Chloride	2500	2540		ug/Kg		102	69 - 125
Naphthalene	2500	2520		ug/Kg		101	53 - 144
n-Butylbenzene	2500	2600		ug/Kg		104	68 - 125
N-Propylbenzene	2500	2750		ug/Kg		110	69 - 127
p-Isopropyltoluene	2500	2740		ug/Kg		110	70 - 125
sec-Butylbenzene	2500	2740		ug/Kg		109	70 - 123
Styrene	2500	2930		ug/Kg		117	70 - 120
tert-Butylbenzene	2500	2780		ug/Kg		111	70 - 121
Tetrachloroethene	2500	2700		ug/Kg		108	70 - 128
Toluene	2500	2820		ug/Kg		113	70 - 125
trans-1,2-Dichloroethene	2500	2390		ug/Kg		96	70 - 125
trans-1,3-Dichloropropene	2500	2800		ug/Kg		112	62 - 128
Trichloroethene	2500	2770		ug/Kg		111	70 - 125
Trichlorofluoromethane	2500	2200		ug/Kg		88	55 - 128
Vinyl chloride	2500	2130		ug/Kg		85	64 - 126
Xylenes, Total	5000	5070		ug/Kg		101	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	113		75 - 126
4-Bromofluorobenzene (Surr)	104		72 - 124
Dibromofluoromethane (Surr)	100		75 - 120
Toluene-d8 (Surr)	106		75 - 120

Lab Sample ID: 500-191136-7 MS
Matrix: Solid
Analysis Batch: 573633

Client Sample ID: MW-4S 34-36 FT Duplicate
Prep Type: Total/NA
Prep Batch: 573408

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	<49		5320	4800		ug/Kg	☆	90	70 - 125

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-191136-7 MS

Matrix: Solid

Analysis Batch: 573633

Client Sample ID: MW-4S 34-36 FT Duplicate

Prep Type: Total/NA

Prep Batch: 573408

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
1,1,1-Trichloroethane	<40		5320	4750		ug/Kg	*	89		70 - 125
1,1,2,2-Tetrachloroethane	<42		5320	5200		ug/Kg	*	98		62 - 140
1,1,2-Trichloroethane	<37		5320	5370		ug/Kg	*	101		71 - 130
1,1-Dichloroethane	<44		5320	4960		ug/Kg	*	93		70 - 125
1,1-Dichloroethene	<41		5320	4220		ug/Kg	*	79		67 - 122
1,1-Dichloropropene	<32		5320	4830		ug/Kg	*	91		70 - 121
1,2,3-Trichlorobenzene	<49		5320	4160		ug/Kg	*	78		51 - 145
1,2,3-Trichloropropane	<44		5320	6040		ug/Kg	*	114		50 - 133
1,2,4-Trichlorobenzene	<36		5320	3860		ug/Kg	*	73		57 - 137
1,2,4-Trimethylbenzene	<38		5320	4810		ug/Kg	*	91		70 - 123
1,2-Dibromo-3-Chloropropane	<210		5320	5680		ug/Kg	*	107		56 - 123
1,2-Dibromoethane	<41		5320	5340		ug/Kg	*	100		70 - 125
1,2-Dichlorobenzene	<36		5320	4690		ug/Kg	*	88		70 - 125
1,2-Dichloroethane	<42		5320	5650		ug/Kg	*	106		68 - 127
1,2-Dichloropropane	<46		5320	5560		ug/Kg	*	105		67 - 130
1,3,5-Trimethylbenzene	<40		5320	4800		ug/Kg	*	90		70 - 123
1,3-Dichlorobenzene	<43		5320	4840		ug/Kg	*	91		70 - 125
1,3-Dichloropropane	<39		5320	5430		ug/Kg	*	102		62 - 136
1,4-Dichlorobenzene	<39		5320	4810		ug/Kg	*	90		70 - 120
2,2-Dichloropropane	<47		5320	4810		ug/Kg	*	90		58 - 139
2-Chlorotoluene	<33		5320	4860		ug/Kg	*	91		70 - 125
4-Chlorotoluene	<37		5320	4910		ug/Kg	*	92		68 - 124
Benzene	<16		5320	4710		ug/Kg	*	89		70 - 120
Bromobenzene	<38		5320	4940		ug/Kg	*	93		70 - 122
Bromochloromethane	<46		5320	4810		ug/Kg	*	90		65 - 122
Bromodichloromethane	<40		5320	4950		ug/Kg	*	93		69 - 120
Bromoform	<51		5320	5170		ug/Kg	*	97		56 - 132
Bromomethane	<85		5320	3930		ug/Kg	*	74		40 - 152
Carbon tetrachloride	<41		5320	4630		ug/Kg	*	87		59 - 133
Chlorobenzene	<41		5320	5130		ug/Kg	*	96		70 - 120
Chloroethane	<54	* F1	5320	6960		ug/Kg	*	131		48 - 136
Chloroform	<39		5320	4660		ug/Kg	*	88		70 - 120
Chloromethane	<34		5320	5680		ug/Kg	*	107		56 - 152
cis-1,2-Dichloroethene	<43		5320	4460		ug/Kg	*	84		70 - 125
cis-1,3-Dichloropropene	<44		5320	5040		ug/Kg	*	95		64 - 127
Dibromochloromethane	<52		5320	5140		ug/Kg	*	97		68 - 125
Dibromomethane	<29		5320	5070		ug/Kg	*	95		70 - 120
Dichlorodifluoromethane	<72		5320	5390		ug/Kg	*	101		40 - 159
Ethylbenzene	<19		5320	4810		ug/Kg	*	90		70 - 123
Hexachlorobutadiene	<47		5320	4130		ug/Kg	*	78		51 - 150
Isopropylbenzene	<41		5320	4840		ug/Kg	*	91		70 - 126
Methyl tert-butyl ether	<42		5320	4840		ug/Kg	*	91		55 - 123
Methylene Chloride	<170		5320	4680		ug/Kg	*	88		69 - 125
Naphthalene	<36		5320	4620		ug/Kg	*	87		53 - 144
n-Butylbenzene	<41		5320	4440		ug/Kg	*	83		68 - 125
N-Propylbenzene	<44		5320	4900		ug/Kg	*	92		69 - 127
p-Isopropyltoluene	<39		5320	4820		ug/Kg	*	91		70 - 125
sec-Butylbenzene	<42		5320	4810		ug/Kg	*	90		70 - 123
Styrene	<41		5320	5230		ug/Kg	*	98		70 - 120

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-191136-7 MS

Matrix: Solid

Analysis Batch: 573633

Client Sample ID: MW-4S 34-36 FT Duplicate

Prep Type: Total/NA

Prep Batch: 573408

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
tert-Butylbenzene	<42		5320	4940		ug/Kg	*	93	70 - 121	
Tetrachloroethene	<39		5320	4840		ug/Kg	*	91	70 - 128	
Toluene	<16		5320	5050		ug/Kg	*	95	70 - 125	
trans-1,2-Dichloroethene	<37		5320	4430		ug/Kg	*	83	70 - 125	
trans-1,3-Dichloropropene	<39		5320	4890		ug/Kg	*	92	62 - 128	
Trichloroethene	<17		5320	5110		ug/Kg	*	96	70 - 125	
Trichlorofluoromethane	<46		5320	4290		ug/Kg	*	81	55 - 128	
Vinyl chloride	<28		5320	5050		ug/Kg	*	95	64 - 126	
Xylenes, Total	<23		10600	8980		ug/Kg	*	84	70 - 125	
MS MS										
Surrogate	%Recovery	Qualifier	Limits							
1,2-Dichloroethane-d4 (Surr)	115		75 - 126							
4-Bromofluorobenzene (Surr)	106		72 - 124							
Dibromofluoromethane (Surr)	101		75 - 120							
Toluene-d8 (Surr)	105		75 - 120							

Lab Sample ID: 500-191136-7 MSD

Matrix: Solid

Analysis Batch: 573633

Client Sample ID: MW-4S 34-36 FT Duplicate

Prep Type: Total/NA

Prep Batch: 573408

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<49		5320	4970		ug/Kg	*	93	70 - 125	3	30	
1,1,1-Trichloroethane	<40		5320	5090		ug/Kg	*	96	70 - 125	7	30	
1,1,1,2-Tetrachloroethane	<42		5320	5300		ug/Kg	*	100	62 - 140	2	30	
1,1,2-Trichloroethane	<37		5320	5430		ug/Kg	*	102	71 - 130	1	30	
1,1-Dichloroethane	<44		5320	5250		ug/Kg	*	99	70 - 125	6	30	
1,1-Dichloroethene	<41		5320	4550		ug/Kg	*	86	67 - 122	7	30	
1,1-Dichloropropene	<32		5320	5030		ug/Kg	*	95	70 - 121	4	30	
1,2,3-Trichlorobenzene	<49		5320	4800		ug/Kg	*	90	51 - 145	14	30	
1,2,3-Trichloropropane	<44		5320	6150		ug/Kg	*	116	50 - 133	2	30	
1,2,4-Trichlorobenzene	<36		5320	4400		ug/Kg	*	83	57 - 137	13	30	
1,2,4-Trimethylbenzene	<38		5320	5100		ug/Kg	*	96	70 - 123	6	30	
1,2-Dibromo-3-Chloropropane	<210		5320	5780		ug/Kg	*	109	56 - 123	2	30	
1,2-Dibromoethane	<41		5320	5270		ug/Kg	*	99	70 - 125	1	30	
1,2-Dichlorobenzene	<36		5320	4950		ug/Kg	*	93	70 - 125	5	30	
1,2-Dichloroethane	<42		5320	5750		ug/Kg	*	108	68 - 127	2	30	
1,2-Dichloropropane	<46		5320	5730		ug/Kg	*	108	67 - 130	3	30	
1,3,5-Trimethylbenzene	<40		5320	5090		ug/Kg	*	96	70 - 123	6	30	
1,3-Dichlorobenzene	<43		5320	5080		ug/Kg	*	96	70 - 125	5	30	
1,3-Dichloropropane	<39		5320	5300		ug/Kg	*	100	62 - 136	2	30	
1,4-Dichlorobenzene	<39		5320	5040		ug/Kg	*	95	70 - 120	5	30	
2,2-Dichloropropane	<47		5320	5210		ug/Kg	*	98	58 - 139	8	30	
2-Chlorotoluene	<33		5320	5100		ug/Kg	*	96	70 - 125	5	30	
4-Chlorotoluene	<37		5320	5120		ug/Kg	*	96	68 - 124	4	30	
Benzene	<16		5320	4910		ug/Kg	*	92	70 - 120	4	30	
Bromobenzene	<38		5320	5130		ug/Kg	*	96	70 - 122	4	30	
Bromochloromethane	<46		5320	5140		ug/Kg	*	97	65 - 122	7	30	
Bromodichloromethane	<40		5320	5090		ug/Kg	*	96	69 - 120	3	30	

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-191136-7 MSD

Client Sample ID: MW-4S 34-36 FT Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 573633

Prep Batch: 573408

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Bromoform	<51		5320	5270		ug/Kg	*	99	56 - 132	2	30
Bromomethane	<85		5320	4270		ug/Kg	*	80	40 - 152	8	30
Carbon tetrachloride	<41		5320	4890		ug/Kg	*	92	59 - 133	6	30
Chlorobenzene	<41		5320	5230		ug/Kg	*	98	70 - 120	2	30
Chloroethane	<54	* F1	5320	7580	F1	ug/Kg	*	142	48 - 136	9	30
Chloroform	<39		5320	4880		ug/Kg	*	92	70 - 120	4	30
Chloromethane	<34		5320	6310		ug/Kg	*	119	56 - 152	10	30
cis-1,2-Dichloroethene	<43		5320	4810		ug/Kg	*	90	70 - 125	7	30
cis-1,3-Dichloropropene	<44		5320	5070		ug/Kg	*	95	64 - 127	1	30
Dibromochloromethane	<52		5320	5230		ug/Kg	*	98	68 - 125	2	30
Dibromomethane	<29		5320	5260		ug/Kg	*	99	70 - 120	4	30
Dichlorodifluoromethane	<72		5320	6070		ug/Kg	*	114	40 - 159	12	30
Ethylbenzene	<19		5320	4960		ug/Kg	*	93	70 - 123	3	30
Hexachlorobutadiene	<47		5320	4610		ug/Kg	*	87	51 - 150	11	30
Isopropylbenzene	<41		5320	5130		ug/Kg	*	96	70 - 126	6	30
Methyl tert-butyl ether	<42		5320	5130		ug/Kg	*	96	55 - 123	6	30
Methylene Chloride	<170		5320	4970		ug/Kg	*	93	69 - 125	6	30
Naphthalene	<36		5320	5160		ug/Kg	*	97	53 - 144	11	30
n-Butylbenzene	<41		5320	4810		ug/Kg	*	90	68 - 125	8	30
N-Propylbenzene	<44		5320	5120		ug/Kg	*	96	69 - 127	4	30
p-Isopropyltoluene	<39		5320	5170		ug/Kg	*	97	70 - 125	7	30
sec-Butylbenzene	<42		5320	5110		ug/Kg	*	96	70 - 123	6	30
Styrene	<41		5320	5330		ug/Kg	*	100	70 - 120	2	30
tert-Butylbenzene	<42		5320	5140		ug/Kg	*	97	70 - 121	4	30
Tetrachloroethene	<39		5320	5040		ug/Kg	*	95	70 - 128	4	30
Toluene	<16		5320	5200		ug/Kg	*	98	70 - 125	3	30
trans-1,2-Dichloroethene	<37		5320	4750		ug/Kg	*	89	70 - 125	7	30
trans-1,3-Dichloropropene	<39		5320	5210		ug/Kg	*	98	62 - 128	6	30
Trichloroethene	<17		5320	5320		ug/Kg	*	100	70 - 125	4	30
Trichlorofluoromethane	<46		5320	4720		ug/Kg	*	89	55 - 128	10	30
Vinyl chloride	<28		5320	5660		ug/Kg	*	106	64 - 126	11	30
Xylenes, Total	<23		10600	9370		ug/Kg	*	88	70 - 125	4	30

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	115		75 - 126
4-Bromofluorobenzene (Surr)	106		72 - 124
Dibromofluoromethane (Surr)	103		75 - 120
Toluene-d8 (Surr)	105		75 - 120

Lab Sample ID: MB 500-573633/6

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 573633

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			11/23/20 23:03	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			11/23/20 23:03	1
1,1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			11/23/20 23:03	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			11/23/20 23:03	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-573633/6

Matrix: Solid

Analysis Batch: 573633

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			11/23/20 23:03	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			11/23/20 23:03	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			11/23/20 23:03	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			11/23/20 23:03	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/Kg			11/23/20 23:03	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			11/23/20 23:03	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			11/23/20 23:03	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			11/23/20 23:03	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/Kg			11/23/20 23:03	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			11/23/20 23:03	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			11/23/20 23:03	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			11/23/20 23:03	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			11/23/20 23:03	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			11/23/20 23:03	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			11/23/20 23:03	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			11/23/20 23:03	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/Kg			11/23/20 23:03	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			11/23/20 23:03	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			11/23/20 23:03	1
Benzene	<0.15		0.25	0.15	ug/Kg			11/23/20 23:03	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			11/23/20 23:03	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			11/23/20 23:03	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			11/23/20 23:03	1
Bromoform	<0.48		1.0	0.48	ug/Kg			11/23/20 23:03	1
Bromomethane	<0.80		3.0	0.80	ug/Kg			11/23/20 23:03	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			11/23/20 23:03	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			11/23/20 23:03	1
Chloroethane	<0.50		1.0	0.50	ug/Kg			11/23/20 23:03	1
Chloroform	<0.37		2.0	0.37	ug/Kg			11/23/20 23:03	1
Chloromethane	<0.32		1.0	0.32	ug/Kg			11/23/20 23:03	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			11/23/20 23:03	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			11/23/20 23:03	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			11/23/20 23:03	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			11/23/20 23:03	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/Kg			11/23/20 23:03	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			11/23/20 23:03	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			11/23/20 23:03	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			11/23/20 23:03	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			11/23/20 23:03	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			11/23/20 23:03	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			11/23/20 23:03	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			11/23/20 23:03	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			11/23/20 23:03	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			11/23/20 23:03	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			11/23/20 23:03	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			11/23/20 23:03	1
Styrene	<0.39		1.0	0.39	ug/Kg			11/23/20 23:03	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			11/23/20 23:03	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			11/23/20 23:03	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-573633/6
Matrix: Solid
Analysis Batch: 573633

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Toluene	<0.15		0.25	0.15	ug/Kg			11/23/20 23:03	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			11/23/20 23:03	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			11/23/20 23:03	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			11/23/20 23:03	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			11/23/20 23:03	1
Vinyl chloride	<0.26		1.0	0.26	ug/Kg			11/23/20 23:03	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			11/23/20 23:03	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	114		75 - 126		11/23/20 23:03	1
4-Bromofluorobenzene (Surr)	103		72 - 124		11/23/20 23:03	1
Dibromofluoromethane (Surr)	105		75 - 120		11/23/20 23:03	1
Toluene-d8 (Surr)	103		75 - 120		11/23/20 23:03	1

Lab Sample ID: LCS 500-573633/4
Matrix: Solid
Analysis Batch: 573633

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	45.5		ug/Kg		91	70 - 125
1,1,1,2-Tetrachloroethane	50.0	43.9		ug/Kg		88	62 - 140
1,1,2-Trichloroethane	50.0	46.2		ug/Kg		92	71 - 130
1,1-Dichloroethane	50.0	47.1		ug/Kg		94	70 - 125
1,1-Dichloroethene	50.0	41.5		ug/Kg		83	67 - 122
1,1-Dichloropropene	50.0	45.4		ug/Kg		91	70 - 121
1,2,3-Trichlorobenzene	50.0	41.2		ug/Kg		82	51 - 145
1,2,3-Trichloropropane	50.0	50.0		ug/Kg		100	50 - 133
1,2,4-Trichlorobenzene	50.0	39.9		ug/Kg		80	57 - 137
1,2,4-Trimethylbenzene	50.0	45.9		ug/Kg		92	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	46.2		ug/Kg		92	56 - 123
1,2-Dibromoethane	50.0	44.8		ug/Kg		90	70 - 125
1,2-Dichlorobenzene	50.0	43.5		ug/Kg		87	70 - 125
1,2-Dichloroethane	50.0	49.8		ug/Kg		100	68 - 127
1,2-Dichloropropane	50.0	50.1		ug/Kg		100	67 - 130
1,3,5-Trimethylbenzene	50.0	45.9		ug/Kg		92	70 - 123
1,3-Dichlorobenzene	50.0	45.1		ug/Kg		90	70 - 125
1,3-Dichloropropane	50.0	46.1		ug/Kg		92	62 - 136
1,4-Dichlorobenzene	50.0	44.9		ug/Kg		90	70 - 120
2,2-Dichloropropane	50.0	48.8		ug/Kg		98	58 - 139
2-Chlorotoluene	50.0	45.5		ug/Kg		91	70 - 125
4-Chlorotoluene	50.0	45.7		ug/Kg		91	68 - 124
Benzene	50.0	44.0		ug/Kg		88	70 - 120
Bromobenzene	50.0	44.4		ug/Kg		89	70 - 122
Bromochloromethane	50.0	44.5		ug/Kg		89	65 - 122
Bromodichloromethane	50.0	44.8		ug/Kg		90	69 - 120
Bromoform	50.0	45.0		ug/Kg		90	56 - 132
Bromomethane	50.0	38.7		ug/Kg		77	40 - 152

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-573633/4
Matrix: Solid
Analysis Batch: 573633

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	50.0	44.6		ug/Kg		89	59 - 133
Chlorobenzene	50.0	46.7		ug/Kg		93	70 - 120
Chloroethane	50.0	67.6		ug/Kg		135	48 - 136
Chloroform	50.0	43.7		ug/Kg		87	70 - 120
Chloromethane	50.0	55.8		ug/Kg		112	56 - 152
cis-1,2-Dichloroethene	50.0	43.1		ug/Kg		86	70 - 125
cis-1,3-Dichloropropene	50.0	45.5		ug/Kg		91	64 - 127
Dibromochloromethane	50.0	45.4		ug/Kg		91	68 - 125
Dibromomethane	50.0	44.3		ug/Kg		89	70 - 120
Dichlorodifluoromethane	50.0	51.6		ug/Kg		103	40 - 159
Ethylbenzene	50.0	45.3		ug/Kg		91	70 - 123
Hexachlorobutadiene	50.0	41.7		ug/Kg		83	51 - 150
Isopropylbenzene	50.0	46.0		ug/Kg		92	70 - 126
Methyl tert-butyl ether	50.0	43.9		ug/Kg		88	55 - 123
Methylene Chloride	50.0	44.2		ug/Kg		88	69 - 125
Naphthalene	50.0	41.2		ug/Kg		82	53 - 144
n-Butylbenzene	50.0	45.1		ug/Kg		90	68 - 125
N-Propylbenzene	50.0	46.1		ug/Kg		92	69 - 127
p-Isopropyltoluene	50.0	47.2		ug/Kg		94	70 - 125
sec-Butylbenzene	50.0	46.2		ug/Kg		92	70 - 123
Styrene	50.0	47.9		ug/Kg		96	70 - 120
tert-Butylbenzene	50.0	45.9		ug/Kg		92	70 - 121
Tetrachloroethene	50.0	47.1		ug/Kg		94	70 - 128
Toluene	50.0	47.2		ug/Kg		94	70 - 125
trans-1,2-Dichloroethene	50.0	43.1		ug/Kg		86	70 - 125
trans-1,3-Dichloropropene	50.0	45.7		ug/Kg		91	62 - 128
Trichloroethene	50.0	47.5		ug/Kg		95	70 - 125
Trichlorofluoromethane	50.0	42.5		ug/Kg		85	55 - 128
Vinyl chloride	50.0	49.6		ug/Kg		99	64 - 126
Xylenes, Total	100	85.4		ug/Kg		85	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	111		75 - 126
4-Bromofluorobenzene (Surr)	104		72 - 124
Dibromofluoromethane (Surr)	100		75 - 120
Toluene-d8 (Surr)	106		75 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-573411/1-A
Matrix: Solid
Analysis Batch: 573611

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 573411

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<8.1		67	8.1	ug/Kg		11/21/20 02:06	11/23/20 15:07	1
2-Methylnaphthalene	<6.1		67	6.1	ug/Kg		11/21/20 02:06	11/23/20 15:07	1
Acenaphthene	<6.0		33	6.0	ug/Kg		11/21/20 02:06	11/23/20 15:07	1
Acenaphthylene	<4.4		33	4.4	ug/Kg		11/21/20 02:06	11/23/20 15:07	1
Anthracene	<5.6		33	5.6	ug/Kg		11/21/20 02:06	11/23/20 15:07	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-573411/1-A
Matrix: Solid
Analysis Batch: 573611

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 573411

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzo[a]anthracene	<4.5		33	4.5	ug/Kg		11/21/20 02:06	11/23/20 15:07	1
Benzo[a]pyrene	<6.4		33	6.4	ug/Kg		11/21/20 02:06	11/23/20 15:07	1
Benzo[b]fluoranthene	<7.2		33	7.2	ug/Kg		11/21/20 02:06	11/23/20 15:07	1
Benzo[g,h,i]perylene	<11		33	11	ug/Kg		11/21/20 02:06	11/23/20 15:07	1
Benzo[k]fluoranthene	<9.8		33	9.8	ug/Kg		11/21/20 02:06	11/23/20 15:07	1
Chrysene	<9.1		33	9.1	ug/Kg		11/21/20 02:06	11/23/20 15:07	1
Dibenz(a,h)anthracene	<6.4		33	6.4	ug/Kg		11/21/20 02:06	11/23/20 15:07	1
Fluoranthene	<6.2		33	6.2	ug/Kg		11/21/20 02:06	11/23/20 15:07	1
Fluorene	<4.7		33	4.7	ug/Kg		11/21/20 02:06	11/23/20 15:07	1
Indeno[1,2,3-cd]pyrene	<8.6		33	8.6	ug/Kg		11/21/20 02:06	11/23/20 15:07	1
Naphthalene	<5.1		33	5.1	ug/Kg		11/21/20 02:06	11/23/20 15:07	1
Phenanthrene	<4.6		33	4.6	ug/Kg		11/21/20 02:06	11/23/20 15:07	1
Pyrene	<6.6		33	6.6	ug/Kg		11/21/20 02:06	11/23/20 15:07	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	96		43 - 145	11/21/20 02:06	11/23/20 15:07	1
Nitrobenzene-d5 (Surr)	93		37 - 147	11/21/20 02:06	11/23/20 15:07	1
Terphenyl-d14 (Surr)	96		42 - 157	11/21/20 02:06	11/23/20 15:07	1

Lab Sample ID: LCS 500-573411/2-A
Matrix: Solid
Analysis Batch: 573611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 573411

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2-Methylnaphthalene	1330	1190		ug/Kg		89	69 - 112
Acenaphthene	1330	1200		ug/Kg		90	65 - 124
Acenaphthylene	1330	1190		ug/Kg		89	68 - 120
Anthracene	1330	1260		ug/Kg		95	70 - 114
Benzo[a]anthracene	1330	1220		ug/Kg		91	67 - 122
Benzo[a]pyrene	1330	1260		ug/Kg		94	65 - 133
Benzo[b]fluoranthene	1330	1250		ug/Kg		93	69 - 129
Benzo[g,h,i]perylene	1330	1360		ug/Kg		102	72 - 131
Benzo[k]fluoranthene	1330	1230		ug/Kg		92	68 - 127
Chrysene	1330	1260		ug/Kg		94	63 - 120
Dibenz(a,h)anthracene	1330	1300		ug/Kg		98	64 - 131
Fluoranthene	1330	1270		ug/Kg		95	62 - 120
Fluorene	1330	1200		ug/Kg		90	62 - 120
Indeno[1,2,3-cd]pyrene	1330	1330		ug/Kg		100	68 - 130
Naphthalene	1330	1180		ug/Kg		89	63 - 110
Phenanthrene	1330	1240		ug/Kg		93	62 - 120
Pyrene	1330	1260		ug/Kg		94	61 - 128

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	91		43 - 145
Nitrobenzene-d5 (Surr)	94		37 - 147
Terphenyl-d14 (Surr)	96		42 - 157

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-191136-1 MS

Matrix: Solid

Analysis Batch: 573568

Client Sample ID: MW-5S 4-6 ft

Prep Type: Total/NA

Prep Batch: 573411

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
1-Methylnaphthalene	<8.3		1390	1290		ug/Kg	*	93	68 - 111
2-Methylnaphthalene	<6.3		1390	1280		ug/Kg	*	92	69 - 112
Acenaphthene	<6.1		1390	1230		ug/Kg	*	89	65 - 124
Acenaphthylene	<4.5		1390	1290		ug/Kg	*	93	68 - 120
Anthracene	<5.7		1390	1260		ug/Kg	*	91	70 - 114
Benzo[a]anthracene	<4.6		1390	1250		ug/Kg	*	90	67 - 122
Benzo[a]pyrene	<6.6		1390	1360		ug/Kg	*	98	65 - 133
Benzo[b]fluoranthene	<7.3		1390	1310		ug/Kg	*	94	69 - 129
Benzo[g,h,i]perylene	<11		1390	1480		ug/Kg	*	107	72 - 131
Benzo[k]fluoranthene	<10		1390	1320		ug/Kg	*	95	68 - 127
Chrysene	<9.3		1390	1260		ug/Kg	*	91	63 - 120
Dibenz(a,h)anthracene	<6.6		1390	1470		ug/Kg	*	106	64 - 131
Fluoranthene	<6.3		1390	1330		ug/Kg	*	96	62 - 120
Fluorene	<4.8		1390	1260		ug/Kg	*	90	62 - 120
Indeno[1,2,3-cd]pyrene	<8.8		1390	1460		ug/Kg	*	105	68 - 130
Naphthalene	<5.2		1390	1260		ug/Kg	*	90	63 - 110
Phenanthrene	<4.7		1390	1270		ug/Kg	*	92	62 - 120
Pyrene	<6.8		1390	1270		ug/Kg	*	91	61 - 128

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	100		43 - 145
Nitrobenzene-d5 (Surr)	77		37 - 147
Terphenyl-d14 (Surr)	95		42 - 157

Lab Sample ID: 500-191136-1 MSD

Matrix: Solid

Analysis Batch: 573568

Client Sample ID: MW-5S 4-6 ft

Prep Type: Total/NA

Prep Batch: 573411

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
1-Methylnaphthalene	<8.3		1370	1190		ug/Kg	*	87	68 - 111	8	30
2-Methylnaphthalene	<6.3		1370	1190		ug/Kg	*	87	69 - 112	7	30
Acenaphthene	<6.1		1370	1150		ug/Kg	*	84	65 - 124	7	30
Acenaphthylene	<4.5		1370	1190		ug/Kg	*	87	68 - 120	9	30
Anthracene	<5.7		1370	1210		ug/Kg	*	88	70 - 114	4	30
Benzo[a]anthracene	<4.6		1370	1170		ug/Kg	*	85	67 - 122	7	30
Benzo[a]pyrene	<6.6		1370	1270		ug/Kg	*	92	65 - 133	7	30
Benzo[b]fluoranthene	<7.3		1370	1190		ug/Kg	*	87	69 - 129	9	30
Benzo[g,h,i]perylene	<11		1370	1400		ug/Kg	*	102	72 - 131	6	30
Benzo[k]fluoranthene	<10		1370	1240		ug/Kg	*	90	68 - 127	7	30
Chrysene	<9.3		1370	1170		ug/Kg	*	86	63 - 120	7	30
Dibenz(a,h)anthracene	<6.6		1370	1400		ug/Kg	*	102	64 - 131	5	30
Fluoranthene	<6.3		1370	1270		ug/Kg	*	93	62 - 120	5	30
Fluorene	<4.8		1370	1170		ug/Kg	*	85	62 - 120	7	30
Indeno[1,2,3-cd]pyrene	<8.8		1370	1380		ug/Kg	*	101	68 - 130	6	30
Naphthalene	<5.2		1370	1150		ug/Kg	*	84	63 - 110	8	30
Phenanthrene	<4.7		1370	1230		ug/Kg	*	90	62 - 120	4	30
Pyrene	<6.8		1370	1180		ug/Kg	*	86	61 - 128	7	30

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-191136-1 MSD

Matrix: Solid

Analysis Batch: 573568

Client Sample ID: MW-5S 4-6 ft

Prep Type: Total/NA

Prep Batch: 573411

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	95		43 - 145
Nitrobenzene-d5 (Surr)	72		37 - 147
Terphenyl-d14 (Surr)	90		42 - 157

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QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

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Method: 6010C - Metals (ICP)

Lab Sample ID: MB 500-573954/1-A
Matrix: Solid
Analysis Batch: 574156

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 573954

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.34		1.0	0.34	mg/Kg		11/25/20 06:55	11/25/20 18:43	1
Barium	<0.11		1.0	0.11	mg/Kg		11/25/20 06:55	11/25/20 18:43	1
Cadmium	<0.036		0.20	0.036	mg/Kg		11/25/20 06:55	11/25/20 18:43	1
Chromium	<0.50		1.0	0.50	mg/Kg		11/25/20 06:55	11/25/20 18:43	1
Lead	<0.23		0.50	0.23	mg/Kg		11/25/20 06:55	11/25/20 18:43	1
Selenium	<0.59		1.0	0.59	mg/Kg		11/25/20 06:55	11/25/20 18:43	1
Silver	<0.13		0.50	0.13	mg/Kg		11/25/20 06:55	11/25/20 18:43	1

Lab Sample ID: LCS 500-573954/2-A
Matrix: Solid
Analysis Batch: 574156

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 573954

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	10.0	9.60		mg/Kg		96	80 - 120
Barium	200	201		mg/Kg		100	80 - 120
Cadmium	5.00	4.81		mg/Kg		96	80 - 120
Chromium	20.0	19.9		mg/Kg		100	80 - 120
Lead	10.0	9.74		mg/Kg		97	80 - 120
Selenium	10.0	8.88		mg/Kg		89	80 - 120
Silver	5.00	4.65		mg/Kg		93	80 - 120

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 500-574058/12-A
Matrix: Solid
Analysis Batch: 574191

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 574058

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0056		0.017	0.0056	mg/Kg		11/25/20 14:00	11/27/20 06:51	1

Lab Sample ID: LCS 500-574058/13-A
Matrix: Solid
Analysis Batch: 574191

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 574058

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.167	0.160		mg/Kg		96	80 - 120

Eurofins TestAmerica, Chicago

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-5S 4-6 ft

Lab Sample ID: 500-191136-1

Date Collected: 11/11/20 09:30

Matrix: Solid

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	518935	12/03/20 08:18	JZ	TAL DEN
Total/NA	Analysis	Moisture		1	572803	11/18/20 09:31	LWN	TAL CHI

Client Sample ID: MW-5S 4-6 ft

Lab Sample ID: 500-191136-1

Date Collected: 11/11/20 09:30

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			573408	11/11/20 09:30	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573633	11/24/20 03:03	PMF	TAL CHI
Total/NA	Prep	3541			573411	11/21/20 02:06	JP1	TAL CHI
Total/NA	Analysis	8270D		1	573568	11/23/20 16:51	AJD	TAL CHI
Total/NA	Prep	3050B			573954	11/25/20 06:55	LMN	TAL CHI
Total/NA	Analysis	6010C		1	574156	11/25/20 19:28	JJB	TAL CHI
Total/NA	Prep	7471B			574058	11/25/20 14:00	MJG	TAL CHI
Total/NA	Analysis	7471B		1	574191	11/27/20 07:26	MJG	TAL CHI

Client Sample ID: MW-5S 12-14 ft

Lab Sample ID: 500-191136-2

Date Collected: 11/11/20 10:30

Matrix: Solid

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	518935	12/03/20 08:41	JZ	TAL DEN
Total/NA	Analysis	Moisture		1	572803	11/18/20 09:31	LWN	TAL CHI

Client Sample ID: MW-5S 12-14 ft

Lab Sample ID: 500-191136-2

Date Collected: 11/11/20 10:30

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			573408	11/11/20 10:30	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573633	11/24/20 03:30	PMF	TAL CHI
Total/NA	Prep	3541			573411	11/21/20 02:06	JP1	TAL CHI
Total/NA	Analysis	8270D		1	573568	11/23/20 17:20	AJD	TAL CHI
Total/NA	Prep	3050B			573954	11/25/20 06:55	LMN	TAL CHI
Total/NA	Analysis	6010C		1	574156	11/25/20 19:31	JJB	TAL CHI
Total/NA	Prep	7471B			574058	11/25/20 14:00	MJG	TAL CHI
Total/NA	Analysis	7471B		1	574191	11/27/20 07:28	MJG	TAL CHI

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-6S 4-6 ft

Lab Sample ID: 500-191136-3

Date Collected: 11/11/20 13:00

Matrix: Solid

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	518935	12/03/20 10:13	JZ	TAL DEN
Total/NA	Analysis	Moisture		1	572803	11/18/20 09:31	LWN	TAL CHI

Client Sample ID: MW-6S 4-6 ft

Lab Sample ID: 500-191136-3

Date Collected: 11/11/20 13:00

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 97.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			573408	11/11/20 13:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573633	11/24/20 03:56	PMF	TAL CHI
Total/NA	Prep	3541			573411	11/21/20 02:06	JP1	TAL CHI
Total/NA	Analysis	8270D		1	573568	11/23/20 17:49	AJD	TAL CHI
Total/NA	Prep	3050B			573954	11/25/20 06:55	LMN	TAL CHI
Total/NA	Analysis	6010C		1	574156	11/25/20 19:34	JJB	TAL CHI
Total/NA	Prep	7471B			574058	11/25/20 14:00	MJG	TAL CHI
Total/NA	Analysis	7471B		1	574191	11/27/20 07:39	MJG	TAL CHI

Client Sample ID: MW-6S 10-12 ft

Lab Sample ID: 500-191136-4

Date Collected: 11/11/20 13:40

Matrix: Solid

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	518935	12/03/20 10:36	JZ	TAL DEN
Total/NA	Analysis	Moisture		1	572803	11/18/20 09:31	LWN	TAL CHI

Client Sample ID: MW-6S 10-12 ft

Lab Sample ID: 500-191136-4

Date Collected: 11/11/20 13:40

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 96.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			573408	11/11/20 13:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573633	11/24/20 04:23	PMF	TAL CHI
Total/NA	Prep	3541			573411	11/21/20 02:06	JP1	TAL CHI
Total/NA	Analysis	8270D		1	573568	11/23/20 18:18	AJD	TAL CHI
Total/NA	Prep	3050B			573954	11/25/20 06:55	LMN	TAL CHI
Total/NA	Analysis	6010C		1	574156	11/25/20 19:37	JJB	TAL CHI
Total/NA	Prep	7471B			574058	11/25/20 14:00	MJG	TAL CHI
Total/NA	Analysis	7471B		1	574191	11/27/20 07:41	MJG	TAL CHI

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-4S 2-4 ft

Lab Sample ID: 500-191136-5

Date Collected: 11/12/20 09:30

Matrix: Solid

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	518935	12/03/20 10:59	JZ	TAL DEN
Total/NA	Analysis	Moisture		1	572803	11/18/20 09:31	LWN	TAL CHI

Client Sample ID: MW-4S 2-4 ft

Lab Sample ID: 500-191136-5

Date Collected: 11/12/20 09:30

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 97.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			573408	11/12/20 09:30	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573633	11/24/20 04:50	PMF	TAL CHI
Total/NA	Prep	3541			573411	11/21/20 02:06	JP1	TAL CHI
Total/NA	Analysis	8270D		1	573568	11/23/20 18:46	AJD	TAL CHI
Total/NA	Prep	3050B			573954	11/25/20 06:55	LMN	TAL CHI
Total/NA	Analysis	6010C		1	574156	11/25/20 19:41	JJB	TAL CHI
Total/NA	Prep	7471B			574058	11/25/20 14:00	MJG	TAL CHI
Total/NA	Analysis	7471B		1	574191	11/27/20 07:42	MJG	TAL CHI

Client Sample ID: MW-4S 34-36 ft

Lab Sample ID: 500-191136-6

Date Collected: 11/12/20 11:45

Matrix: Solid

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Drying	Prep/Air Dry			517975	11/24/20 09:28	EKB	TAL DEN
Total/NA	Prep	Sieve/Ultrasoni			518205	11/25/20 17:23	TEH	TAL DEN
Total/NA	Analysis	8330A		1	518935	12/03/20 11:22	JZ	TAL DEN
Total/NA	Analysis	Moisture		1	572803	11/18/20 09:31	LWN	TAL CHI

Client Sample ID: MW-4S 34-36 ft

Lab Sample ID: 500-191136-6

Date Collected: 11/12/20 11:45

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 97.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			573408	11/12/20 11:45	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573633	11/24/20 05:16	PMF	TAL CHI
Total/NA	Prep	3541			573411	11/21/20 02:06	JP1	TAL CHI
Total/NA	Analysis	8270D		1	573568	11/23/20 19:15	AJD	TAL CHI
Total/NA	Prep	3050B			573954	11/25/20 06:55	LMN	TAL CHI
Total/NA	Analysis	6010C		1	574156	11/25/20 19:44	JJB	TAL CHI
Total/NA	Prep	7471B			574058	11/25/20 14:00	MJG	TAL CHI
Total/NA	Analysis	7471B		1	574191	11/27/20 07:44	MJG	TAL CHI

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Lab

Job ID: 500-191136-1

Client Sample ID: MW-4S 34-36 FT Duplicate

Lab Sample ID: 500-191136-7

Date Collected: 11/12/20 11:45

Matrix: Solid

Date Received: 11/14/20 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	572803	11/18/20 09:31	LWN	TAL CHI

Client Sample ID: MW-4S 34-36 FT Duplicate

Lab Sample ID: 500-191136-7

Date Collected: 11/12/20 11:45

Matrix: Solid

Date Received: 11/14/20 10:10

Percent Solids: 97.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			573408	11/12/20 11:45	WRE	TAL CHI
Total/NA	Analysis	8260B		50	573633	11/24/20 05:43	PMF	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100



Accreditation/Certification Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Lab

Job ID: 500-191136-1

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

Laboratory: Eurofins TestAmerica, Denver

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	2907.01	10-31-21
A2LA	ISO/IEC 17025	2907.01	10-31-21
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-08-21
Arizona	State	AZ0713	12-20-20
Arkansas DEQ	State	19-047-0	06-01-21
California	State	2513	01-08-21
Connecticut	State	PH-0686	09-30-20 *
Florida	NELAP	E87667-57	07-01-21
Georgia	State	4025-011	01-09-21
Illinois	NELAP	2000172019-1	04-30-21
Iowa	State	IA#370	12-01-20 *
Kansas	NELAP	E-10166	04-30-21
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-21
Maine	State	2019011 (231)	03-03-21
Minnesota	NELAP	1788752	12-31-20
Nevada	State	CO000262020-1	07-31-21
New Hampshire	NELAP	205319	04-29-21
New Jersey	NELAP	190002	06-30-21
New York	NELAP	59923	04-01-21
North Carolina (WW/SW)	State	358	12-31-20
North Dakota	State	R-034	01-08-21
Oklahoma	State	2018-006	09-01-21
Oregon	NELAP	4025-011	01-08-21
Pennsylvania	NELAP	013	07-31-21
South Carolina	State	72002001	01-08-21
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183-20-18	09-30-21
US Fish & Wildlife	US Federal Programs	058448	08-01-21
USDA	US Federal Programs	P330-18-00099	03-26-21
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-21
Virginia	NELAP	10490	06-14-21
Washington	State	C583-19	08-03-21
West Virginia DEP	State	354	02-28-21
Wisconsin	State	999615430	08-31-21
Wyoming (UST)	A2LA	2907.01	10-31-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Address: _____

Regulatory Program: DW NPDES RCRA Other:

TAL-8210

Client Contact		Project Manager: B. Olson		Site Contact: T. Cronk		Date: 11-11-2020		COC No:					
Company Name: SEH		Tel/Email: bolson@sehinc.com		Lab Contact:		Carrier: FEDEX		_____ of _____ COCs					
Address: 10 N. Bridge St.		Analysis Turnaround Time		Filtered Sample (Y/N) Perform MS / MSD (Y/N) PCRA METALS PANCS VOCS		 500-191136 COC		Sampler:					
City/State/Zip: Chilpancingo, Jalisco, Mexico		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below ROUTINE						For Lab Use Only:		Walk-in Client:		Lab Sampling:	
Phone: 715-271-4516		<input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day						Job / SDG No.:		500-191136		_____ Sample Specific Notes:	
Fax: _____								_____ _____ _____					
Project Name: Stroganov Lab													
Site: Washburn Co													
P O # _____													
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)					
1	MW-5S 4-6 ft	11-11-20	9:30	G	S	3	N	N					
2	MW-5S 12-14 ft	11-11-20	10:30	G	S	3	N	N					
3	MW-6S 4-6 ft	11-11-20	1:00	G	S	3	N	N					
4	MW-6S 10-12 ft	11-11-20	1:40	G	S	3	N	N					
5	MW-4S 2-4 ft	11-12-20	9:30	G	S	4	N	N					
6	MW-4S 34-36 ft	11-12-20	11:45	G	S	4	N	N					
7	MW-4S 34-36 ft Duplicate	11-12-20	11:45	G	S	2	N	N					
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other _____													
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.								Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown								<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ Months					
Special Instructions/QC Requirements & Comments:													
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.: _____ Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____													
Relinquished by: John E. Kelly		Company: SEH Inc.		Date/Time: 11-13-20/1:00pm		Received by:		Company: _____ Date/Time: _____					
Relinquished by:		Company:		Date/Time:		Received by:		Company: _____ Date/Time: _____					
Relinquished by:		Company:		Date/Time:		Received in Laboratory by: Paula Buckley		Company: SEH Date/Time: 11/14/20 1010					

SDR

FedEx Express

ORIGIN ID:MIFA (800) 472-5881
MR. JOHN GUHL
SHORT ELLIOTT HENDRICKSON, INC. DBA
10 NORTH BRIDGE STREET
CHIPPEWA FALLS, WI 54729
UNITED STATES US

SHIP DATE: 21MAR19
ACTWGT: 10.00 LB MAN
CAD: 592545/CAFE3211

TO

TESTAMERICA CHICAGO
2417 BOND STREET

UNIVERSITY PARK IL 60484-3101
REF: 8500-70704

(708) 634-6200
DEPT: BOTTLES

RMA: 11111111



FedEx Express



J1811160600 Luv

FedEx

TRK# 4759 5529 0026
CF21

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO JOTA



60484
IL-US ORD

500-191136 Wayb



551CL/46D3/104C

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- 11
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- 13
- 14
- 15

Login Sample Receipt Checklist

Client: Short Elliott Hendrickson, Inc. dba SEH

Job Number: 500-191136-1

Login Number: 191136

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Buckley, Paula M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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?	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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: Short Elliott Hendrickson, Inc. dba SEH

Job Number: 500-191136-1

Login Number: 191136

List Number: 2

Creator: O'Hara, Jake F

List Source: Eurofins TestAmerica, Denver

List Creation: 11/19/20 09:38 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	False	Refer to Job Narrative for details.
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Eurofins TestAmerica, Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-191815-1
Client Project/Site: Stresau Labs
Revision: 1

For:

Short Elliott Hendrickson, Inc. dba SEH
10 North Bridge Street
Chippewa Falls, Wisconsin 54729-3374

Attn: Mr. Bruce Olson



*Authorized for release by:
12/24/2020 11:31:37 AM*

Sandie Fredrick, Project Manager II
(920)261-1660
sandra.fredrick@eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Job ID: 500-191815-1

Laboratory: Eurofins TestAmerica, Chicago

Narrative

Job Narrative 500-191815-1

Comments

No additional comments.

Revision

The report being provided is a revision of the original report sent on 12/17/2020. The report (revision 1) is being revised due to: Sample ID updated for Sample 6.

Receipt

The samples were received on 12/2/2020 10:55 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.9° C, 1.2° C and 2.8° C.

Receipt Exceptions

Received 1 500ml amber for explosives.broken for sample 1.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The following sample contained one base surrogate outside acceptance limits: (LCS 500-575080/2-A). The laboratory's SOP allows one base surrogate to be outside acceptance limits; therefore, re-extraction was not performed. These results have been reported and qualified.

Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 500-575080 and analytical batch 500-575190 recovered outside control limits for the following analytes: 2-Methylnaphthalene, 1-Methylnaphthalene, Acenaphthene, Benzo[a]pyrene, Benzo[k]fluoranthene, Dibenz(a,h)anthracene and Naphthalene.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

LCMS

Method 6860: Internal standard (ISTD) response for the following sample was outside of acceptance limits: (CCVL 280-519621/33). The sample was not re-analyzed due to insufficient volume. analytical batch 280-519621 Method: 6860

Method 6860: Internal standard (ISTD) response for the following sample was outside of acceptance limits: (LCS 280-520504/45). The sample was not re-analyzed due to the internal standard recovery of the LCSD and other lab QCs are in control. (LCS 280-520504/45) 6860 analytical batch 280-520504

Method 8330A: Surrogate recovery for the following sample was outside control limits: MW-6S (500-191815-7). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed. preparation batch 280-519498 and analytical batch 280-519699
8330

Method 8330A: Surrogate recovery for the following sample was outside control limits: MW-4S (500-191815-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed. Surrogate recovered within control limit in the primary instrument.
preparation batch 280-519498 and analytical batch 280-519844 8330

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Field Service / Mobile Lab

Case Narrative

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Job ID: 500-191815-1 (Continued)

Laboratory: Eurofins TestAmerica, Chicago (Continued)

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Method 3535: Due to the SOP requiring 500 mL of sample. The two 250 mL ambers were combined to ensure there would be no change with the reporting limits. MW-3 (500-191815-2), MW-2 (500-191815-3), MW-1 (500-191815-4), MW-5S (500-191815-6), MW-6S (500-191815-7), BD#1 (500-191815-8), BD#2 (500-191815-9), BD#10 (500-191815-10) and MW-5S (Dup) (500-191815-11) preparation batch 280-519498 Method-3535/8330A

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 280-519498. A LCSD was run to ensure lab precision. preparation batch 280-519498 Method-3535/8330A

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.



Detection Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-8

Lab Sample ID: 500-191815-1

Arsenic	0.82	J	1.0	0.23	ug/L	1	6020A	Dissolved
Barium	5.5		2.5	0.73	ug/L	1	6020A	Dissolved

Client Sample ID: MW-3

Lab Sample ID: 500-191815-2

Perchlorate	0.46		0.050	0.0040	ug/L	1	6860	Total/NA
Arsenic	0.83	J	1.0	0.23	ug/L	1	6020A	Dissolved
Barium	8.2		2.5	0.73	ug/L	1	6020A	Dissolved

Client Sample ID: MW-2

Lab Sample ID: 500-191815-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.80	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	9.4		2.5	0.73	ug/L	1		6020A	Dissolved
Chromium	2.3	J	5.0	1.1	ug/L	1		6020A	Dissolved

Client Sample ID: MW-1

Lab Sample ID: 500-191815-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac		Method	Prep Type
Arsenic	0.74	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	8.4		2.5	0.73	ug/L	1		6020A	Dissolved
Chromium	1.1	J	5.0	1.1	ug/L	1		6020A	Dissolved

Client Sample ID: MW-4S

Lab Sample ID: 500-191815-5

Arsenic	0.51	J	1.0	0.23	ug/L	1	6020A	Dissolved
Barium	28		2.5	0.73	ug/L	1	6020A	Dissolved
Mercury	0.31		0.20	0.098	ug/L	1	7470A	Dissolved

Client Sample ID: MW-5S

Lab Sample ID: 500-191815-6

Arsenic	0.46	J	1.0	0.23	ug/L	1	6020A	Dissolved
Barium	11		2.5	0.73	ug/L	1	6020A	Dissolved

Client Sample ID: MW-6S

Lab Sample ID: 500-191815-7

Arsenic	0.44	J	1.0	0.23	ug/L	1	6020A	Dissolved
Barium	17		2.5	0.73	ug/L	1	6020A	Dissolved
Mercury	0.27		0.20	0.098	ug/L	1	7470A	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Detection Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: BD#1

Lab Sample ID: 500-191815-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.96	J	1.0	0.23	ug/L	1		6020A	Total Recoverable
Barium	23		2.5	0.73	ug/L	1		6020A	Total Recoverable
Lead	1.1		0.50	0.19	ug/L	1		6020A	Total Recoverable

Client Sample ID: BD#2

Lab Sample ID: 500-191815-9

Arsenic	0.34	J	1.0	0.23	ug/L	1		6020A	Total Recoverable
Barium	3.8		2.5	0.73	ug/L	1		6020A	Total Recoverable
Lead	0.24	J	0.50	0.19	ug/L	1		6020A	Total Recoverable

Client Sample ID: BD#10

Lab Sample ID: 500-191815-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.1		1.0	0.23	ug/L	1		6020A	Total Recoverable
Barium	17		2.5	0.73	ug/L	1		6020A	Total Recoverable
Lead	0.93		0.50	0.19	ug/L	1		6020A	Total Recoverable

Client Sample ID: MW-5S (Dup)

Lab Sample ID: 500-191815-11

Arsenic	0.35	J	1.0	0.23	ug/L	1		6020A	Dissolved
Barium	11		2.5	0.73	ug/L	1		6020A	Dissolved
Mercury	0.11	J	0.20	0.098	ug/L	1		7470A	Dissolved

Client Sample ID: MW-1 (Dup)

Lab Sample ID: 500-191815-12

No Detections.									
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Client Sample ID: Trip Blank

Lab Sample ID: 500-191815-13

No Detections.									
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This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Chicago

Method Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CHI
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL CHI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL CHI
3535	Solid-Phase Extraction (SPE)	SW846	TAL DEN
5030B	Purge and Trap	SW846	TAL CHI
7470A	Preparation, Mercury	SW846	TAL CHI

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:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Sample Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
500-191815-1	MW-8	Water	11/30/20 10:55	12/02/20 10:55	
500-191815-2	MW-3	Water	11/30/20 11:45	12/02/20 10:55	
500-191815-3	MW-2	Water	11/30/20 12:15	12/02/20 10:55	
500-191815-4	MW-1	Water	11/30/20 12:45	12/02/20 10:55	
500-191815-5	MW-4S	Water	11/30/20 14:15	12/02/20 10:55	
500-191815-6	MW-5S	Water	11/30/20 13:45	12/02/20 10:55	
500-191815-7	MW-6S	Water	11/30/20 13:15	12/02/20 10:55	
500-191815-8	BD#1	Water	11/30/20 10:00	12/02/20 10:55	
500-191815-9	BD#2	Water	11/30/20 10:45	12/02/20 10:55	
500-191815-10	BD#10	Water	11/30/20 11:15	12/02/20 10:55	
500-191815-11	MW-5S (Dup)	Water	11/30/20 14:00	12/02/20 10:55	
500-191815-12	MW-1 (Dup)	Water	11/30/20 12:50	12/02/20 10:55	
500-191815-13	Trip Blank	Water	11/30/20 00:00	12/02/20 10:55	

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-8

Lab Sample ID: 500-191815-1

Date Collected: 11/30/20 10:55

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			12/08/20 15:21	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			12/08/20 15:21	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			12/08/20 15:21	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			12/08/20 15:21	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			12/08/20 15:21	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			12/08/20 15:21	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			12/08/20 15:21	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			12/08/20 15:21	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			12/08/20 15:21	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			12/08/20 15:21	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			12/08/20 15:21	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			12/08/20 15:21	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			12/08/20 15:21	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			12/08/20 15:21	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			12/08/20 15:21	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			12/08/20 15:21	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			12/08/20 15:21	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			12/08/20 15:21	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			12/08/20 15:21	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			12/08/20 15:21	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			12/08/20 15:21	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			12/08/20 15:21	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			12/08/20 15:21	1
Benzene	<0.15		0.50	0.15	ug/L			12/08/20 15:21	1
Bromobenzene	<0.36		1.0	0.36	ug/L			12/08/20 15:21	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			12/08/20 15:21	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			12/08/20 15:21	1
Bromoform	<0.48		1.0	0.48	ug/L			12/08/20 15:21	1
Bromomethane	<0.80		3.0	0.80	ug/L			12/08/20 15:21	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			12/08/20 15:21	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			12/08/20 15:21	1
Chloroethane	<0.51		1.0	0.51	ug/L			12/08/20 15:21	1
Chloroform	<0.37		2.0	0.37	ug/L			12/08/20 15:21	1
Chloromethane	<0.32		1.0	0.32	ug/L			12/08/20 15:21	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			12/08/20 15:21	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			12/08/20 15:21	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			12/08/20 15:21	1
Dibromomethane	<0.27		1.0	0.27	ug/L			12/08/20 15:21	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			12/08/20 15:21	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			12/08/20 15:21	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			12/08/20 15:21	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			12/08/20 15:21	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 15:21	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			12/08/20 15:21	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			12/08/20 15:21	1
Naphthalene	<0.34		1.0	0.34	ug/L			12/08/20 15:21	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 15:21	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			12/08/20 15:21	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			12/08/20 15:21	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-8

Lab Sample ID: 500-191815-1

Date Collected: 11/30/20 10:55

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 15:21	1
Styrene	<0.39		1.0	0.39	ug/L			12/08/20 15:21	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 15:21	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			12/08/20 15:21	1
Toluene	<0.15		0.50	0.15	ug/L			12/08/20 15:21	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			12/08/20 15:21	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			12/08/20 15:21	1
Trichloroethene	<0.16		0.50	0.16	ug/L			12/08/20 15:21	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			12/08/20 15:21	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			12/08/20 15:21	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			12/08/20 15:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		75 - 126		12/08/20 15:21	1
4-Bromofluorobenzene (Surr)	92		72 - 124		12/08/20 15:21	1
Dibromofluoromethane (Surr)	109		75 - 120		12/08/20 15:21	1
Toluene-d8 (Surr)	96		75 - 120		12/08/20 15:21	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.24	*1	1.6	0.24	ug/L		12/03/20 07:21	12/03/20 16:09	1
2-Methylnaphthalene	<0.052	*1	1.6	0.052	ug/L		12/03/20 07:21	12/03/20 16:09	1
Acenaphthene	<0.25	*1	0.79	0.25	ug/L		12/03/20 07:21	12/03/20 16:09	1
Acenaphthylene	<0.21		0.79	0.21	ug/L		12/03/20 07:21	12/03/20 16:09	1
Anthracene	<0.26		0.79	0.26	ug/L		12/03/20 07:21	12/03/20 16:09	1
Benzo[a]anthracene	<0.045		0.16	0.045	ug/L		12/03/20 07:21	12/03/20 16:09	1
Benzo[a]pyrene	<0.079	*1	0.16	0.079	ug/L		12/03/20 07:21	12/03/20 16:09	1
Benzo[b]fluoranthene	<0.064		0.16	0.064	ug/L		12/03/20 07:21	12/03/20 16:09	1
Benzo[g,h,i]perylene	<0.30		0.79	0.30	ug/L		12/03/20 07:21	12/03/20 16:09	1
Benzo[k]fluoranthene	<0.051	*1	0.16	0.051	ug/L		12/03/20 07:21	12/03/20 16:09	1
Chrysene	<0.054		0.16	0.054	ug/L		12/03/20 07:21	12/03/20 16:09	1
Dibenz(a,h)anthracene	<0.040	*1	0.24	0.040	ug/L		12/03/20 07:21	12/03/20 16:09	1
Fluoranthene	<0.36		0.79	0.36	ug/L		12/03/20 07:21	12/03/20 16:09	1
Fluorene	<0.19		0.79	0.19	ug/L		12/03/20 07:21	12/03/20 16:09	1
Indeno[1,2,3-cd]pyrene	<0.059		0.16	0.059	ug/L		12/03/20 07:21	12/03/20 16:09	1
Naphthalene	<0.25	*1	0.79	0.25	ug/L		12/03/20 07:21	12/03/20 16:09	1
Phenanthrene	<0.24		0.79	0.24	ug/L		12/03/20 07:21	12/03/20 16:09	1
Pyrene	<0.34		0.79	0.34	ug/L		12/03/20 07:21	12/03/20 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	74		34 - 110	12/03/20 07:21	12/03/20 16:09	1
Nitrobenzene-d5 (Surr)	82		36 - 120	12/03/20 07:21	12/03/20 16:09	1
Terphenyl-d14 (Surr)	101		40 - 145	12/03/20 07:21	12/03/20 16:09	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-8

Lab Sample ID: 500-191815-1

Date Collected: 11/30/20 10:55

Matrix: Water

Date Received: 12/02/20 10:55

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.82	J	1.0	0.23	ug/L	-	12/02/20 17:53	12/04/20 11:03	1
Barium	5.5		2.5	0.73	ug/L	-	12/02/20 17:53	12/03/20 16:47	1
Cadmium	<0.17		0.50	0.17	ug/L	-	12/02/20 17:53	12/03/20 16:47	1
Chromium	<1.1		5.0	1.1	ug/L	-	12/02/20 17:53	12/03/20 16:47	1
Lead	<0.19		0.50	0.19	ug/L	-	12/02/20 17:53	12/03/20 16:47	1
Selenium	<0.98		2.5	0.98	ug/L	-	12/02/20 17:53	12/03/20 16:47	1
Silver	<0.12		0.50	0.12	ug/L	-	12/02/20 17:53	12/03/20 16:47	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L	-	12/03/20 09:10	12/04/20 07:08	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-3

Lab Sample ID: 500-191815-2

Date Collected: 11/30/20 11:45

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			12/08/20 15:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			12/08/20 15:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			12/08/20 15:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			12/08/20 15:48	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			12/08/20 15:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			12/08/20 15:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			12/08/20 15:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			12/08/20 15:48	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			12/08/20 15:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			12/08/20 15:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			12/08/20 15:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			12/08/20 15:48	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			12/08/20 15:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			12/08/20 15:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			12/08/20 15:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			12/08/20 15:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			12/08/20 15:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			12/08/20 15:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			12/08/20 15:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			12/08/20 15:48	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			12/08/20 15:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			12/08/20 15:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			12/08/20 15:48	1
Benzene	<0.15		0.50	0.15	ug/L			12/08/20 15:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			12/08/20 15:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			12/08/20 15:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			12/08/20 15:48	1
Bromoform	<0.48		1.0	0.48	ug/L			12/08/20 15:48	1
Bromomethane	<0.80		3.0	0.80	ug/L			12/08/20 15:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			12/08/20 15:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			12/08/20 15:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			12/08/20 15:48	1
Chloroform	<0.37		2.0	0.37	ug/L			12/08/20 15:48	1
Chloromethane	<0.32		1.0	0.32	ug/L			12/08/20 15:48	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			12/08/20 15:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			12/08/20 15:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			12/08/20 15:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			12/08/20 15:48	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			12/08/20 15:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			12/08/20 15:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			12/08/20 15:48	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			12/08/20 15:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 15:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			12/08/20 15:48	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			12/08/20 15:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			12/08/20 15:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 15:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			12/08/20 15:48	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			12/08/20 15:48	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-3

Lab Sample ID: 500-191815-2

Date Collected: 11/30/20 11:45

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 15:48	1
Styrene	<0.39		1.0	0.39	ug/L			12/08/20 15:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 15:48	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			12/08/20 15:48	1
Toluene	<0.15		0.50	0.15	ug/L			12/08/20 15:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			12/08/20 15:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			12/08/20 15:48	1
Trichloroethene	<0.16		0.50	0.16	ug/L			12/08/20 15:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			12/08/20 15:48	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			12/08/20 15:48	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			12/08/20 15:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		75 - 126					12/08/20 15:48	1
4-Bromofluorobenzene (Surr)	89		72 - 124					12/08/20 15:48	1
Dibromofluoromethane (Surr)	104		75 - 120					12/08/20 15:48	1
Toluene-d8 (Surr)	96		75 - 120					12/08/20 15:48	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.24	*1	1.6	0.24	ug/L		12/03/20 07:21	12/03/20 16:36	1
2-Methylnaphthalene	<0.051	*1	1.6	0.051	ug/L		12/03/20 07:21	12/03/20 16:36	1
Acenaphthene	<0.24	*1	0.79	0.24	ug/L		12/03/20 07:21	12/03/20 16:36	1
Acenaphthylene	<0.21		0.79	0.21	ug/L		12/03/20 07:21	12/03/20 16:36	1
Anthracene	<0.26		0.79	0.26	ug/L		12/03/20 07:21	12/03/20 16:36	1
Benzo[a]anthracene	<0.045		0.16	0.045	ug/L		12/03/20 07:21	12/03/20 16:36	1
Benzo[a]pyrene	<0.078	*1	0.16	0.078	ug/L		12/03/20 07:21	12/03/20 16:36	1
Benzo[b]fluoranthene	<0.064		0.16	0.064	ug/L		12/03/20 07:21	12/03/20 16:36	1
Benzo[g,h,i]perylene	<0.30		0.79	0.30	ug/L		12/03/20 07:21	12/03/20 16:36	1
Benzo[k]fluoranthene	<0.050	*1	0.16	0.050	ug/L		12/03/20 07:21	12/03/20 16:36	1
Chrysene	<0.054		0.16	0.054	ug/L		12/03/20 07:21	12/03/20 16:36	1
Dibenz(a,h)anthracene	<0.040	*1	0.24	0.040	ug/L		12/03/20 07:21	12/03/20 16:36	1
Fluoranthene	<0.36		0.79	0.36	ug/L		12/03/20 07:21	12/03/20 16:36	1
Fluorene	<0.19		0.79	0.19	ug/L		12/03/20 07:21	12/03/20 16:36	1
Indeno[1,2,3-cd]pyrene	<0.059		0.16	0.059	ug/L		12/03/20 07:21	12/03/20 16:36	1
Naphthalene	<0.24	*1	0.79	0.24	ug/L		12/03/20 07:21	12/03/20 16:36	1
Phenanthrene	<0.24		0.79	0.24	ug/L		12/03/20 07:21	12/03/20 16:36	1
Pyrene	<0.34		0.79	0.34	ug/L		12/03/20 07:21	12/03/20 16:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	58		34 - 110				12/03/20 07:21	12/03/20 16:36	1
Nitrobenzene-d5 (Surr)	74		36 - 120				12/03/20 07:21	12/03/20 16:36	1
Terphenyl-d14 (Surr)	100		40 - 145				12/03/20 07:21	12/03/20 16:36	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-3

Lab Sample ID: 500-191815-2

Date Collected: 11/30/20 11:45

Matrix: Water

Date Received: 12/02/20 10:55

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.83	J	1.0	0.23	ug/L		12/02/20 17:53	12/04/20 11:07	1
Barium	8.2		2.5	0.73	ug/L		12/02/20 17:53	12/03/20 16:50	1
Cadmium	<0.17		0.50	0.17	ug/L		12/02/20 17:53	12/03/20 16:50	1
Chromium	<1.1		5.0	1.1	ug/L		12/02/20 17:53	12/03/20 16:50	1
Lead	<0.19		0.50	0.19	ug/L		12/02/20 17:53	12/03/20 16:50	1
Selenium	<0.98		2.5	0.98	ug/L		12/02/20 17:53	12/03/20 16:50	1
Silver	<0.12		0.50	0.12	ug/L		12/02/20 17:53	12/03/20 16:50	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		12/03/20 09:10	12/04/20 07:10	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-2

Lab Sample ID: 500-191815-3

Date Collected: 11/30/20 12:15

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			12/08/20 16:14	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			12/08/20 16:14	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			12/08/20 16:14	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			12/08/20 16:14	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			12/08/20 16:14	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			12/08/20 16:14	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			12/08/20 16:14	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			12/08/20 16:14	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			12/08/20 16:14	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			12/08/20 16:14	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			12/08/20 16:14	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			12/08/20 16:14	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			12/08/20 16:14	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			12/08/20 16:14	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			12/08/20 16:14	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			12/08/20 16:14	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			12/08/20 16:14	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			12/08/20 16:14	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			12/08/20 16:14	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			12/08/20 16:14	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			12/08/20 16:14	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			12/08/20 16:14	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			12/08/20 16:14	1
Benzene	<0.15		0.50	0.15	ug/L			12/08/20 16:14	1
Bromobenzene	<0.36		1.0	0.36	ug/L			12/08/20 16:14	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			12/08/20 16:14	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			12/08/20 16:14	1
Bromoform	<0.48		1.0	0.48	ug/L			12/08/20 16:14	1
Bromomethane	<0.80		3.0	0.80	ug/L			12/08/20 16:14	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			12/08/20 16:14	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			12/08/20 16:14	1
Chloroethane	<0.51		1.0	0.51	ug/L			12/08/20 16:14	1
Chloroform	<0.37		2.0	0.37	ug/L			12/08/20 16:14	1
Chloromethane	<0.32		1.0	0.32	ug/L			12/08/20 16:14	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			12/08/20 16:14	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			12/08/20 16:14	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			12/08/20 16:14	1
Dibromomethane	<0.27		1.0	0.27	ug/L			12/08/20 16:14	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			12/08/20 16:14	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			12/08/20 16:14	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			12/08/20 16:14	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			12/08/20 16:14	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 16:14	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			12/08/20 16:14	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			12/08/20 16:14	1
Naphthalene	<0.34		1.0	0.34	ug/L			12/08/20 16:14	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 16:14	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			12/08/20 16:14	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			12/08/20 16:14	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-2

Lab Sample ID: 500-191815-3

Date Collected: 11/30/20 12:15

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 16:14	1
Styrene	<0.39		1.0	0.39	ug/L			12/08/20 16:14	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 16:14	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			12/08/20 16:14	1
Toluene	<0.15		0.50	0.15	ug/L			12/08/20 16:14	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			12/08/20 16:14	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			12/08/20 16:14	1
Trichloroethene	<0.16		0.50	0.16	ug/L			12/08/20 16:14	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			12/08/20 16:14	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			12/08/20 16:14	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			12/08/20 16:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		75 - 126		12/08/20 16:14	1
4-Bromofluorobenzene (Surr)	91		72 - 124		12/08/20 16:14	1
Dibromofluoromethane (Surr)	111		75 - 120		12/08/20 16:14	1
Toluene-d8 (Surr)	95		75 - 120		12/08/20 16:14	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.23	*1	1.5	0.23	ug/L		12/03/20 07:21	12/03/20 17:02	1
2-Methylnaphthalene	<0.050	*1	1.5	0.050	ug/L		12/03/20 07:21	12/03/20 17:02	1
Acenaphthene	<0.23	*1	0.76	0.23	ug/L		12/03/20 07:21	12/03/20 17:02	1
Acenaphthylene	<0.20		0.76	0.20	ug/L		12/03/20 07:21	12/03/20 17:02	1
Anthracene	<0.25		0.76	0.25	ug/L		12/03/20 07:21	12/03/20 17:02	1
Benzo[a]anthracene	<0.043		0.15	0.043	ug/L		12/03/20 07:21	12/03/20 17:02	1
Benzo[a]pyrene	<0.075	*1	0.15	0.075	ug/L		12/03/20 07:21	12/03/20 17:02	1
Benzo[b]fluoranthene	<0.061		0.15	0.061	ug/L		12/03/20 07:21	12/03/20 17:02	1
Benzo[g,h,i]perylene	<0.29		0.76	0.29	ug/L		12/03/20 07:21	12/03/20 17:02	1
Benzo[k]fluoranthene	<0.049	*1	0.15	0.049	ug/L		12/03/20 07:21	12/03/20 17:02	1
Chrysene	<0.052		0.15	0.052	ug/L		12/03/20 07:21	12/03/20 17:02	1
Dibenz(a,h)anthracene	<0.039	*1	0.23	0.039	ug/L		12/03/20 07:21	12/03/20 17:02	1
Fluoranthene	<0.34		0.76	0.34	ug/L		12/03/20 07:21	12/03/20 17:02	1
Fluorene	<0.19		0.76	0.19	ug/L		12/03/20 07:21	12/03/20 17:02	1
Indeno[1,2,3-cd]pyrene	<0.057		0.15	0.057	ug/L		12/03/20 07:21	12/03/20 17:02	1
Naphthalene	<0.23	*1	0.76	0.23	ug/L		12/03/20 07:21	12/03/20 17:02	1
Phenanthrene	<0.23		0.76	0.23	ug/L		12/03/20 07:21	12/03/20 17:02	1
Pyrene	<0.32		0.76	0.32	ug/L		12/03/20 07:21	12/03/20 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	69		34 - 110	12/03/20 07:21	12/03/20 17:02	1
Nitrobenzene-d5 (Surr)	82		36 - 120	12/03/20 07:21	12/03/20 17:02	1
Terphenyl-d14 (Surr)	101		40 - 145	12/03/20 07:21	12/03/20 17:02	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-2

Lab Sample ID: 500-191815-3

Date Collected: 11/30/20 12:15

Matrix: Water

Date Received: 12/02/20 10:55

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.80	J	1.0	0.23	ug/L		12/02/20 17:53	12/04/20 11:10	1
Barium	9.4		2.5	0.73	ug/L		12/02/20 17:53	12/03/20 16:54	1
Cadmium	<0.17		0.50	0.17	ug/L		12/02/20 17:53	12/03/20 16:54	1
Chromium	2.3	J	5.0	1.1	ug/L		12/02/20 17:53	12/03/20 16:54	1
Lead	<0.19		0.50	0.19	ug/L		12/02/20 17:53	12/03/20 16:54	1
Selenium	<0.98		2.5	0.98	ug/L		12/02/20 17:53	12/03/20 16:54	1
Silver	<0.12		0.50	0.12	ug/L		12/02/20 17:53	12/03/20 16:54	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		12/03/20 09:10	12/04/20 07:12	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-1

Lab Sample ID: 500-191815-4

Date Collected: 11/30/20 12:45

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			12/08/20 16:41	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			12/08/20 16:41	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			12/08/20 16:41	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			12/08/20 16:41	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			12/08/20 16:41	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			12/08/20 16:41	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			12/08/20 16:41	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			12/08/20 16:41	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			12/08/20 16:41	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			12/08/20 16:41	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			12/08/20 16:41	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			12/08/20 16:41	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			12/08/20 16:41	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			12/08/20 16:41	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			12/08/20 16:41	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			12/08/20 16:41	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			12/08/20 16:41	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			12/08/20 16:41	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			12/08/20 16:41	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			12/08/20 16:41	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			12/08/20 16:41	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			12/08/20 16:41	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			12/08/20 16:41	1
Benzene	<0.15		0.50	0.15	ug/L			12/08/20 16:41	1
Bromobenzene	<0.36		1.0	0.36	ug/L			12/08/20 16:41	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			12/08/20 16:41	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			12/08/20 16:41	1
Bromoform	<0.48		1.0	0.48	ug/L			12/08/20 16:41	1
Bromomethane	<0.80		3.0	0.80	ug/L			12/08/20 16:41	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			12/08/20 16:41	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			12/08/20 16:41	1
Chloroethane	<0.51		1.0	0.51	ug/L			12/08/20 16:41	1
Chloroform	<0.37		2.0	0.37	ug/L			12/08/20 16:41	1
Chloromethane	<0.32		1.0	0.32	ug/L			12/08/20 16:41	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			12/08/20 16:41	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			12/08/20 16:41	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			12/08/20 16:41	1
Dibromomethane	<0.27		1.0	0.27	ug/L			12/08/20 16:41	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			12/08/20 16:41	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			12/08/20 16:41	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			12/08/20 16:41	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			12/08/20 16:41	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 16:41	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			12/08/20 16:41	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			12/08/20 16:41	1
Naphthalene	<0.34		1.0	0.34	ug/L			12/08/20 16:41	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 16:41	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			12/08/20 16:41	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			12/08/20 16:41	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-1

Lab Sample ID: 500-191815-4

Date Collected: 11/30/20 12:45

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 16:41	1
Styrene	<0.39		1.0	0.39	ug/L			12/08/20 16:41	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 16:41	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			12/08/20 16:41	1
Toluene	<0.15		0.50	0.15	ug/L			12/08/20 16:41	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			12/08/20 16:41	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			12/08/20 16:41	1
Trichloroethene	<0.16		0.50	0.16	ug/L			12/08/20 16:41	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			12/08/20 16:41	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			12/08/20 16:41	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			12/08/20 16:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		75 - 126		12/08/20 16:41	1
4-Bromofluorobenzene (Surr)	92		72 - 124		12/08/20 16:41	1
Dibromofluoromethane (Surr)	109		75 - 120		12/08/20 16:41	1
Toluene-d8 (Surr)	97		75 - 120		12/08/20 16:41	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.23	*1	1.5	0.23	ug/L		12/03/20 07:21	12/03/20 17:28	1
2-Methylnaphthalene	<0.049	*1	1.5	0.049	ug/L		12/03/20 07:21	12/03/20 17:28	1
Acenaphthene	<0.23	*1	0.76	0.23	ug/L		12/03/20 07:21	12/03/20 17:28	1
Acenaphthylene	<0.20		0.76	0.20	ug/L		12/03/20 07:21	12/03/20 17:28	1
Anthracene	<0.25		0.76	0.25	ug/L		12/03/20 07:21	12/03/20 17:28	1
Benzo[a]anthracene	<0.043		0.15	0.043	ug/L		12/03/20 07:21	12/03/20 17:28	1
Benzo[a]pyrene	<0.075	*1	0.15	0.075	ug/L		12/03/20 07:21	12/03/20 17:28	1
Benzo[b]fluoranthene	<0.061		0.15	0.061	ug/L		12/03/20 07:21	12/03/20 17:28	1
Benzo[g,h,i]perylene	<0.28		0.76	0.28	ug/L		12/03/20 07:21	12/03/20 17:28	1
Benzo[k]fluoranthene	<0.049	*1	0.15	0.049	ug/L		12/03/20 07:21	12/03/20 17:28	1
Chrysene	<0.052		0.15	0.052	ug/L		12/03/20 07:21	12/03/20 17:28	1
Dibenz(a,h)anthracene	<0.038	*1	0.23	0.038	ug/L		12/03/20 07:21	12/03/20 17:28	1
Fluoranthene	<0.34		0.76	0.34	ug/L		12/03/20 07:21	12/03/20 17:28	1
Fluorene	<0.18		0.76	0.18	ug/L		12/03/20 07:21	12/03/20 17:28	1
Indeno[1,2,3-cd]pyrene	<0.057		0.15	0.057	ug/L		12/03/20 07:21	12/03/20 17:28	1
Naphthalene	<0.23	*1	0.76	0.23	ug/L		12/03/20 07:21	12/03/20 17:28	1
Phenanthrene	<0.23		0.76	0.23	ug/L		12/03/20 07:21	12/03/20 17:28	1
Pyrene	<0.32		0.76	0.32	ug/L		12/03/20 07:21	12/03/20 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	58		34 - 110	12/03/20 07:21	12/03/20 17:28	1
Nitrobenzene-d5 (Surr)	79		36 - 120	12/03/20 07:21	12/03/20 17:28	1
Terphenyl-d14 (Surr)	105		40 - 145	12/03/20 07:21	12/03/20 17:28	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-1

Lab Sample ID: 500-191815-4

Date Collected: 11/30/20 12:45

Matrix: Water

Date Received: 12/02/20 10:55

Method: 6860 - Perchlorate by IC/MS or IC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	0.16		0.050	0.0040	ug/L			12/16/20 15:52	1

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.74	J	1.0	0.23	ug/L		12/02/20 17:53	12/04/20 11:14	1
Barium	8.4		2.5	0.73	ug/L		12/02/20 17:53	12/04/20 11:14	1
Cadmium	<0.17		0.50	0.17	ug/L		12/02/20 17:53	12/03/20 17:04	1
Chromium	1.1	J	5.0	1.1	ug/L		12/02/20 17:53	12/03/20 17:04	1
Lead	<0.19		0.50	0.19	ug/L		12/02/20 17:53	12/03/20 17:04	1
Selenium	<0.98		2.5	0.98	ug/L		12/02/20 17:53	12/03/20 17:04	1
Silver	<0.12		0.50	0.12	ug/L		12/02/20 17:53	12/03/20 17:04	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		12/03/20 09:10	12/04/20 07:14	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-4S

Lab Sample ID: 500-191815-5

Date Collected: 11/30/20 14:15

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			12/08/20 17:07	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			12/08/20 17:07	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			12/08/20 17:07	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			12/08/20 17:07	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			12/08/20 17:07	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			12/08/20 17:07	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			12/08/20 17:07	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			12/08/20 17:07	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			12/08/20 17:07	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			12/08/20 17:07	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			12/08/20 17:07	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			12/08/20 17:07	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			12/08/20 17:07	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			12/08/20 17:07	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			12/08/20 17:07	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			12/08/20 17:07	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			12/08/20 17:07	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			12/08/20 17:07	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			12/08/20 17:07	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			12/08/20 17:07	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			12/08/20 17:07	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			12/08/20 17:07	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			12/08/20 17:07	1
Benzene	<0.15		0.50	0.15	ug/L			12/08/20 17:07	1
Bromobenzene	<0.36		1.0	0.36	ug/L			12/08/20 17:07	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			12/08/20 17:07	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			12/08/20 17:07	1
Bromoform	<0.48		1.0	0.48	ug/L			12/08/20 17:07	1
Bromomethane	<0.80		3.0	0.80	ug/L			12/08/20 17:07	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			12/08/20 17:07	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			12/08/20 17:07	1
Chloroethane	<0.51		1.0	0.51	ug/L			12/08/20 17:07	1
Chloroform	<0.37		2.0	0.37	ug/L			12/08/20 17:07	1
Chloromethane	<0.32		1.0	0.32	ug/L			12/08/20 17:07	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			12/08/20 17:07	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			12/08/20 17:07	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			12/08/20 17:07	1
Dibromomethane	<0.27		1.0	0.27	ug/L			12/08/20 17:07	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			12/08/20 17:07	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			12/08/20 17:07	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			12/08/20 17:07	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			12/08/20 17:07	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 17:07	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			12/08/20 17:07	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			12/08/20 17:07	1
Naphthalene	<0.34		1.0	0.34	ug/L			12/08/20 17:07	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 17:07	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			12/08/20 17:07	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			12/08/20 17:07	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-4S

Lab Sample ID: 500-191815-5

Date Collected: 11/30/20 14:15

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 17:07	1
Styrene	<0.39		1.0	0.39	ug/L			12/08/20 17:07	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 17:07	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			12/08/20 17:07	1
Toluene	<0.15		0.50	0.15	ug/L			12/08/20 17:07	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			12/08/20 17:07	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			12/08/20 17:07	1
Trichloroethene	<0.16		0.50	0.16	ug/L			12/08/20 17:07	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			12/08/20 17:07	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			12/08/20 17:07	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			12/08/20 17:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		75 - 126					12/08/20 17:07	1
4-Bromofluorobenzene (Surr)	92		72 - 124					12/08/20 17:07	1
Dibromofluoromethane (Surr)	110		75 - 120					12/08/20 17:07	1
Toluene-d8 (Surr)	96		75 - 120					12/08/20 17:07	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.25	*1	1.6	0.25	ug/L		12/03/20 07:21	12/03/20 17:55	1
2-Methylnaphthalene	<0.054	*1	1.6	0.054	ug/L		12/03/20 07:21	12/03/20 17:55	1
Acenaphthene	<0.25	*1	0.82	0.25	ug/L		12/03/20 07:21	12/03/20 17:55	1
Acenaphthylene	<0.22		0.82	0.22	ug/L		12/03/20 07:21	12/03/20 17:55	1
Anthracene	<0.27		0.82	0.27	ug/L		12/03/20 07:21	12/03/20 17:55	1
Benzo[a]anthracene	<0.047		0.16	0.047	ug/L		12/03/20 07:21	12/03/20 17:55	1
Benzo[a]pyrene	<0.081	*1	0.16	0.081	ug/L		12/03/20 07:21	12/03/20 17:55	1
Benzo[b]fluoranthene	<0.066		0.16	0.066	ug/L		12/03/20 07:21	12/03/20 17:55	1
Benzo[g,h,i]perylene	<0.31		0.82	0.31	ug/L		12/03/20 07:21	12/03/20 17:55	1
Benzo[k]fluoranthene	<0.053	*1	0.16	0.053	ug/L		12/03/20 07:21	12/03/20 17:55	1
Chrysene	<0.056		0.16	0.056	ug/L		12/03/20 07:21	12/03/20 17:55	1
Dibenz(a,h)anthracene	<0.042	*1	0.25	0.042	ug/L		12/03/20 07:21	12/03/20 17:55	1
Fluoranthene	<0.37		0.82	0.37	ug/L		12/03/20 07:21	12/03/20 17:55	1
Fluorene	<0.20		0.82	0.20	ug/L		12/03/20 07:21	12/03/20 17:55	1
Indeno[1,2,3-cd]pyrene	<0.062		0.16	0.062	ug/L		12/03/20 07:21	12/03/20 17:55	1
Naphthalene	<0.25	*1	0.82	0.25	ug/L		12/03/20 07:21	12/03/20 17:55	1
Phenanthrene	<0.25		0.82	0.25	ug/L		12/03/20 07:21	12/03/20 17:55	1
Pyrene	<0.35		0.82	0.35	ug/L		12/03/20 07:21	12/03/20 17:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	77		34 - 110				12/03/20 07:21	12/03/20 17:55	1
Nitrobenzene-d5 (Surr)	81		36 - 120				12/03/20 07:21	12/03/20 17:55	1
Terphenyl-d14 (Surr)	104		40 - 145				12/03/20 07:21	12/03/20 17:55	1

Euofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-4S
Date Collected: 11/30/20 14:15
Date Received: 12/02/20 10:55

Lab Sample ID: 500-191815-5
Matrix: Water

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.51	J	1.0	0.23	ug/L		12/02/20 17:53	12/04/20 11:17	1
Barium	28		2.5	0.73	ug/L		12/02/20 17:53	12/04/20 11:17	1
Cadmium	<0.17		0.50	0.17	ug/L		12/02/20 17:53	12/03/20 17:08	1
Chromium	<1.1		5.0	1.1	ug/L		12/02/20 17:53	12/03/20 17:08	1
Lead	<0.19		0.50	0.19	ug/L		12/02/20 17:53	12/03/20 17:08	1
Selenium	<0.98		2.5	0.98	ug/L		12/02/20 17:53	12/03/20 17:08	1
Silver	<0.12		0.50	0.12	ug/L		12/02/20 17:53	12/03/20 17:08	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.31		0.20	0.098	ug/L		12/03/20 09:10	12/04/20 07:17	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-5S

Lab Sample ID: 500-191815-6

Date Collected: 11/30/20 13:45

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			12/08/20 17:34	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			12/08/20 17:34	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			12/08/20 17:34	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			12/08/20 17:34	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			12/08/20 17:34	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			12/08/20 17:34	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			12/08/20 17:34	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			12/08/20 17:34	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			12/08/20 17:34	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			12/08/20 17:34	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			12/08/20 17:34	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			12/08/20 17:34	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			12/08/20 17:34	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			12/08/20 17:34	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			12/08/20 17:34	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			12/08/20 17:34	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			12/08/20 17:34	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			12/08/20 17:34	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			12/08/20 17:34	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			12/08/20 17:34	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			12/08/20 17:34	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			12/08/20 17:34	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			12/08/20 17:34	1
Benzene	<0.15		0.50	0.15	ug/L			12/08/20 17:34	1
Bromobenzene	<0.36		1.0	0.36	ug/L			12/08/20 17:34	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			12/08/20 17:34	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			12/08/20 17:34	1
Bromoform	<0.48		1.0	0.48	ug/L			12/08/20 17:34	1
Bromomethane	<0.80		3.0	0.80	ug/L			12/08/20 17:34	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			12/08/20 17:34	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			12/08/20 17:34	1
Chloroethane	<0.51		1.0	0.51	ug/L			12/08/20 17:34	1
Chloroform	<0.37		2.0	0.37	ug/L			12/08/20 17:34	1
Chloromethane	<0.32		1.0	0.32	ug/L			12/08/20 17:34	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			12/08/20 17:34	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			12/08/20 17:34	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			12/08/20 17:34	1
Dibromomethane	<0.27		1.0	0.27	ug/L			12/08/20 17:34	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			12/08/20 17:34	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			12/08/20 17:34	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			12/08/20 17:34	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			12/08/20 17:34	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 17:34	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			12/08/20 17:34	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			12/08/20 17:34	1
Naphthalene	<0.34		1.0	0.34	ug/L			12/08/20 17:34	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 17:34	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			12/08/20 17:34	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			12/08/20 17:34	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-5S

Lab Sample ID: 500-191815-6

Date Collected: 11/30/20 13:45

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 17:34	1
Styrene	<0.39		1.0	0.39	ug/L			12/08/20 17:34	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 17:34	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			12/08/20 17:34	1
Toluene	<0.15		0.50	0.15	ug/L			12/08/20 17:34	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			12/08/20 17:34	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			12/08/20 17:34	1
Trichloroethene	<0.16		0.50	0.16	ug/L			12/08/20 17:34	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			12/08/20 17:34	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			12/08/20 17:34	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			12/08/20 17:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		75 - 126		12/08/20 17:34	1
4-Bromofluorobenzene (Surr)	88		72 - 124		12/08/20 17:34	1
Dibromofluoromethane (Surr)	113		75 - 120		12/08/20 17:34	1
Toluene-d8 (Surr)	93		75 - 120		12/08/20 17:34	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.23	*1	1.5	0.23	ug/L		12/03/20 07:21	12/03/20 20:58	1
2-Methylnaphthalene	<0.050	*1	1.5	0.050	ug/L		12/03/20 07:21	12/03/20 20:58	1
Acenaphthene	<0.24	*1	0.77	0.24	ug/L		12/03/20 07:21	12/03/20 20:58	1
Acenaphthylene	<0.21		0.77	0.21	ug/L		12/03/20 07:21	12/03/20 20:58	1
Anthracene	<0.26		0.77	0.26	ug/L		12/03/20 07:21	12/03/20 20:58	1
Benzo[a]anthracene	<0.043		0.15	0.043	ug/L		12/03/20 07:21	12/03/20 20:58	1
Benzo[a]pyrene	<0.076	*1	0.15	0.076	ug/L		12/03/20 07:21	12/03/20 20:58	1
Benzo[b]fluoranthene	<0.062		0.15	0.062	ug/L		12/03/20 07:21	12/03/20 20:58	1
Benzo[g,h,i]perylene	<0.29		0.77	0.29	ug/L		12/03/20 07:21	12/03/20 20:58	1
Benzo[k]fluoranthene	<0.049	*1	0.15	0.049	ug/L		12/03/20 07:21	12/03/20 20:58	1
Chrysene	<0.052		0.15	0.052	ug/L		12/03/20 07:21	12/03/20 20:58	1
Dibenz(a,h)anthracene	<0.039	*1	0.23	0.039	ug/L		12/03/20 07:21	12/03/20 20:58	1
Fluoranthene	<0.35		0.77	0.35	ug/L		12/03/20 07:21	12/03/20 20:58	1
Fluorene	<0.19		0.77	0.19	ug/L		12/03/20 07:21	12/03/20 20:58	1
Indeno[1,2,3-cd]pyrene	<0.057		0.15	0.057	ug/L		12/03/20 07:21	12/03/20 20:58	1
Naphthalene	<0.24	*1	0.77	0.24	ug/L		12/03/20 07:21	12/03/20 20:58	1
Phenanthrene	<0.23		0.77	0.23	ug/L		12/03/20 07:21	12/03/20 20:58	1
Pyrene	<0.33		0.77	0.33	ug/L		12/03/20 07:21	12/03/20 20:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	70		34 - 110	12/03/20 07:21	12/03/20 20:58	1
Nitrobenzene-d5 (Surr)	77		36 - 120	12/03/20 07:21	12/03/20 20:58	1
Terphenyl-d14 (Surr)	94		40 - 145	12/03/20 07:21	12/03/20 20:58	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-5S
Date Collected: 11/30/20 13:45
Date Received: 12/02/20 10:55

Lab Sample ID: 500-191815-6
Matrix: Water

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.46	J	1.0	0.23	ug/L		12/02/20 17:53	12/04/20 11:20	1
Barium	11		2.5	0.73	ug/L		12/02/20 17:53	12/04/20 11:20	1
Cadmium	<0.17		0.50	0.17	ug/L		12/02/20 17:53	12/03/20 17:11	1
Chromium	<1.1		5.0	1.1	ug/L		12/02/20 17:53	12/03/20 17:11	1
Lead	<0.19		0.50	0.19	ug/L		12/02/20 17:53	12/03/20 17:11	1
Selenium	<0.98		2.5	0.98	ug/L		12/02/20 17:53	12/03/20 17:11	1
Silver	<0.12		0.50	0.12	ug/L		12/02/20 17:53	12/03/20 17:11	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		12/03/20 09:10	12/04/20 07:19	1



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-6S

Lab Sample ID: 500-191815-7

Date Collected: 11/30/20 13:15

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			12/08/20 18:01	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			12/08/20 18:01	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			12/08/20 18:01	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			12/08/20 18:01	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			12/08/20 18:01	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			12/08/20 18:01	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			12/08/20 18:01	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			12/08/20 18:01	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			12/08/20 18:01	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			12/08/20 18:01	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			12/08/20 18:01	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			12/08/20 18:01	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			12/08/20 18:01	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			12/08/20 18:01	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			12/08/20 18:01	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			12/08/20 18:01	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			12/08/20 18:01	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			12/08/20 18:01	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			12/08/20 18:01	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			12/08/20 18:01	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			12/08/20 18:01	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			12/08/20 18:01	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			12/08/20 18:01	1
Benzene	<0.15		0.50	0.15	ug/L			12/08/20 18:01	1
Bromobenzene	<0.36		1.0	0.36	ug/L			12/08/20 18:01	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			12/08/20 18:01	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			12/08/20 18:01	1
Bromoform	<0.48		1.0	0.48	ug/L			12/08/20 18:01	1
Bromomethane	<0.80		3.0	0.80	ug/L			12/08/20 18:01	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			12/08/20 18:01	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			12/08/20 18:01	1
Chloroethane	<0.51		1.0	0.51	ug/L			12/08/20 18:01	1
Chloroform	<0.37		2.0	0.37	ug/L			12/08/20 18:01	1
Chloromethane	<0.32		1.0	0.32	ug/L			12/08/20 18:01	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			12/08/20 18:01	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			12/08/20 18:01	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			12/08/20 18:01	1
Dibromomethane	<0.27		1.0	0.27	ug/L			12/08/20 18:01	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			12/08/20 18:01	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			12/08/20 18:01	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			12/08/20 18:01	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			12/08/20 18:01	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 18:01	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			12/08/20 18:01	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			12/08/20 18:01	1
Naphthalene	<0.34		1.0	0.34	ug/L			12/08/20 18:01	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 18:01	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			12/08/20 18:01	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			12/08/20 18:01	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-6S

Lab Sample ID: 500-191815-7

Date Collected: 11/30/20 13:15

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 18:01	1
Styrene	<0.39		1.0	0.39	ug/L			12/08/20 18:01	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 18:01	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			12/08/20 18:01	1
Toluene	<0.15		0.50	0.15	ug/L			12/08/20 18:01	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			12/08/20 18:01	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			12/08/20 18:01	1
Trichloroethene	<0.16		0.50	0.16	ug/L			12/08/20 18:01	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			12/08/20 18:01	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			12/08/20 18:01	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			12/08/20 18:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		75 - 126		12/08/20 18:01	1
4-Bromofluorobenzene (Surr)	92		72 - 124		12/08/20 18:01	1
Dibromofluoromethane (Surr)	110		75 - 120		12/08/20 18:01	1
Toluene-d8 (Surr)	96		75 - 120		12/08/20 18:01	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.27	*1	1.8	0.27	ug/L		12/03/20 07:21	12/03/20 21:24	1
2-Methylnaphthalene	<0.058	*1	1.8	0.058	ug/L		12/03/20 07:21	12/03/20 21:24	1
Acenaphthene	<0.27	*1	0.89	0.27	ug/L		12/03/20 07:21	12/03/20 21:24	1
Acenaphthylene	<0.24		0.89	0.24	ug/L		12/03/20 07:21	12/03/20 21:24	1
Anthracene	<0.30		0.89	0.30	ug/L		12/03/20 07:21	12/03/20 21:24	1
Benzo[a]anthracene	<0.050		0.18	0.050	ug/L		12/03/20 07:21	12/03/20 21:24	1
Benzo[a]pyrene	<0.088	*1	0.18	0.088	ug/L		12/03/20 07:21	12/03/20 21:24	1
Benzo[b]fluoranthene	<0.071		0.18	0.071	ug/L		12/03/20 07:21	12/03/20 21:24	1
Benzo[g,h,i]perylene	<0.33		0.89	0.33	ug/L		12/03/20 07:21	12/03/20 21:24	1
Benzo[k]fluoranthene	<0.057	*1	0.18	0.057	ug/L		12/03/20 07:21	12/03/20 21:24	1
Chrysene	<0.060		0.18	0.060	ug/L		12/03/20 07:21	12/03/20 21:24	1
Dibenz(a,h)anthracene	<0.045	*1	0.27	0.045	ug/L		12/03/20 07:21	12/03/20 21:24	1
Fluoranthene	<0.40		0.89	0.40	ug/L		12/03/20 07:21	12/03/20 21:24	1
Fluorene	<0.22		0.89	0.22	ug/L		12/03/20 07:21	12/03/20 21:24	1
Indeno[1,2,3-cd]pyrene	<0.066		0.18	0.066	ug/L		12/03/20 07:21	12/03/20 21:24	1
Naphthalene	<0.27	*1	0.89	0.27	ug/L		12/03/20 07:21	12/03/20 21:24	1
Phenanthrene	<0.27		0.89	0.27	ug/L		12/03/20 07:21	12/03/20 21:24	1
Pyrene	<0.38		0.89	0.38	ug/L		12/03/20 07:21	12/03/20 21:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	82		34 - 110	12/03/20 07:21	12/03/20 21:24	1
Nitrobenzene-d5 (Surr)	87		36 - 120	12/03/20 07:21	12/03/20 21:24	1
Terphenyl-d14 (Surr)	97		40 - 145	12/03/20 07:21	12/03/20 21:24	1

Euofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-6S
Date Collected: 11/30/20 13:15
Date Received: 12/02/20 10:55

Lab Sample ID: 500-191815-7
Matrix: Water

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.44	J	1.0	0.23	ug/L		12/02/20 17:53	12/04/20 11:24	1
Barium	17		2.5	0.73	ug/L		12/02/20 17:53	12/04/20 11:24	1
Cadmium	<0.17		0.50	0.17	ug/L		12/02/20 17:53	12/03/20 17:15	1
Chromium	<1.1		5.0	1.1	ug/L		12/02/20 17:53	12/03/20 17:15	1
Lead	<0.19		0.50	0.19	ug/L		12/02/20 17:53	12/03/20 17:15	1
Selenium	<0.98		2.5	0.98	ug/L		12/02/20 17:53	12/03/20 17:15	1
Silver	<0.12		0.50	0.12	ug/L		12/02/20 17:53	12/03/20 17:15	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.27		0.20	0.098	ug/L		12/03/20 09:10	12/04/20 07:40	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: BD#1

Lab Sample ID: 500-191815-8

Date Collected: 11/30/20 10:00

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			12/08/20 18:28	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			12/08/20 18:28	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			12/08/20 18:28	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			12/08/20 18:28	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			12/08/20 18:28	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			12/08/20 18:28	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			12/08/20 18:28	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			12/08/20 18:28	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			12/08/20 18:28	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			12/08/20 18:28	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			12/08/20 18:28	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			12/08/20 18:28	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			12/08/20 18:28	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			12/08/20 18:28	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			12/08/20 18:28	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			12/08/20 18:28	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			12/08/20 18:28	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			12/08/20 18:28	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			12/08/20 18:28	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			12/08/20 18:28	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			12/08/20 18:28	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			12/08/20 18:28	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			12/08/20 18:28	1
Benzene	<0.15		0.50	0.15	ug/L			12/08/20 18:28	1
Bromobenzene	<0.36		1.0	0.36	ug/L			12/08/20 18:28	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			12/08/20 18:28	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			12/08/20 18:28	1
Bromoform	<0.48		1.0	0.48	ug/L			12/08/20 18:28	1
Bromomethane	<0.80		3.0	0.80	ug/L			12/08/20 18:28	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			12/08/20 18:28	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			12/08/20 18:28	1
Chloroethane	<0.51		1.0	0.51	ug/L			12/08/20 18:28	1
Chloroform	<0.37		2.0	0.37	ug/L			12/08/20 18:28	1
Chloromethane	<0.32		1.0	0.32	ug/L			12/08/20 18:28	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			12/08/20 18:28	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			12/08/20 18:28	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			12/08/20 18:28	1
Dibromomethane	<0.27		1.0	0.27	ug/L			12/08/20 18:28	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			12/08/20 18:28	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			12/08/20 18:28	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			12/08/20 18:28	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			12/08/20 18:28	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 18:28	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			12/08/20 18:28	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			12/08/20 18:28	1
Naphthalene	<0.34		1.0	0.34	ug/L			12/08/20 18:28	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 18:28	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			12/08/20 18:28	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			12/08/20 18:28	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: BD#1

Lab Sample ID: 500-191815-8

Date Collected: 11/30/20 10:00

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 18:28	1
Styrene	<0.39		1.0	0.39	ug/L			12/08/20 18:28	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 18:28	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			12/08/20 18:28	1
Toluene	<0.15		0.50	0.15	ug/L			12/08/20 18:28	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			12/08/20 18:28	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			12/08/20 18:28	1
Trichloroethene	<0.16		0.50	0.16	ug/L			12/08/20 18:28	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			12/08/20 18:28	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			12/08/20 18:28	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			12/08/20 18:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		75 - 126		12/08/20 18:28	1
4-Bromofluorobenzene (Surr)	92		72 - 124		12/08/20 18:28	1
Dibromofluoromethane (Surr)	111		75 - 120		12/08/20 18:28	1
Toluene-d8 (Surr)	96		75 - 120		12/08/20 18:28	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.23	*1	1.5	0.23	ug/L		12/03/20 07:21	12/03/20 21:50	1
2-Methylnaphthalene	<0.049	*1	1.5	0.049	ug/L		12/03/20 07:21	12/03/20 21:50	1
Acenaphthene	<0.23	*1	0.75	0.23	ug/L		12/03/20 07:21	12/03/20 21:50	1
Acenaphthylene	<0.20		0.75	0.20	ug/L		12/03/20 07:21	12/03/20 21:50	1
Anthracene	<0.25		0.75	0.25	ug/L		12/03/20 07:21	12/03/20 21:50	1
Benzo[a]anthracene	<0.043		0.15	0.043	ug/L		12/03/20 07:21	12/03/20 21:50	1
Benzo[a]pyrene	<0.074	*1	0.15	0.074	ug/L		12/03/20 07:21	12/03/20 21:50	1
Benzo[b]fluoranthene	<0.061		0.15	0.061	ug/L		12/03/20 07:21	12/03/20 21:50	1
Benzo[g,h,i]perylene	<0.28		0.75	0.28	ug/L		12/03/20 07:21	12/03/20 21:50	1
Benzo[k]fluoranthene	<0.048	*1	0.15	0.048	ug/L		12/03/20 07:21	12/03/20 21:50	1
Chrysene	<0.051		0.15	0.051	ug/L		12/03/20 07:21	12/03/20 21:50	1
Dibenz(a,h)anthracene	<0.038	*1	0.23	0.038	ug/L		12/03/20 07:21	12/03/20 21:50	1
Fluoranthene	<0.34		0.75	0.34	ug/L		12/03/20 07:21	12/03/20 21:50	1
Fluorene	<0.18		0.75	0.18	ug/L		12/03/20 07:21	12/03/20 21:50	1
Indeno[1,2,3-cd]pyrene	<0.056		0.15	0.056	ug/L		12/03/20 07:21	12/03/20 21:50	1
Naphthalene	<0.23	*1	0.75	0.23	ug/L		12/03/20 07:21	12/03/20 21:50	1
Phenanthrene	<0.23		0.75	0.23	ug/L		12/03/20 07:21	12/03/20 21:50	1
Pyrene	<0.32		0.75	0.32	ug/L		12/03/20 07:21	12/03/20 21:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	70		34 - 110	12/03/20 07:21	12/03/20 21:50	1
Nitrobenzene-d5 (Surr)	75		36 - 120	12/03/20 07:21	12/03/20 21:50	1
Terphenyl-d14 (Surr)	99		40 - 145	12/03/20 07:21	12/03/20 21:50	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: BD#1

Lab Sample ID: 500-191815-8

Date Collected: 11/30/20 10:00

Matrix: Water

Date Received: 12/02/20 10:55

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.96	J	1.0	0.23	ug/L		12/02/20 17:53	12/04/20 11:34	1
Barium	23		2.5	0.73	ug/L		12/02/20 17:53	12/04/20 11:34	1
Cadmium	<0.17		0.50	0.17	ug/L		12/02/20 17:53	12/03/20 17:18	1
Chromium	<1.1		5.0	1.1	ug/L		12/02/20 17:53	12/03/20 17:18	1
Lead	1.1		0.50	0.19	ug/L		12/02/20 17:53	12/03/20 17:18	1
Selenium	<0.98		2.5	0.98	ug/L		12/02/20 17:53	12/03/20 17:18	1
Silver	<0.12		0.50	0.12	ug/L		12/02/20 17:53	12/03/20 17:18	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		12/03/20 09:10	12/04/20 07:42	1



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: BD#2

Lab Sample ID: 500-191815-9

Date Collected: 11/30/20 10:45

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			12/08/20 18:53	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			12/08/20 18:53	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			12/08/20 18:53	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			12/08/20 18:53	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			12/08/20 18:53	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			12/08/20 18:53	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			12/08/20 18:53	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			12/08/20 18:53	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			12/08/20 18:53	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			12/08/20 18:53	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			12/08/20 18:53	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			12/08/20 18:53	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			12/08/20 18:53	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			12/08/20 18:53	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			12/08/20 18:53	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			12/08/20 18:53	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			12/08/20 18:53	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			12/08/20 18:53	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			12/08/20 18:53	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			12/08/20 18:53	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			12/08/20 18:53	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			12/08/20 18:53	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			12/08/20 18:53	1
Benzene	<0.15		0.50	0.15	ug/L			12/08/20 18:53	1
Bromobenzene	<0.36		1.0	0.36	ug/L			12/08/20 18:53	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			12/08/20 18:53	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			12/08/20 18:53	1
Bromoform	<0.48		1.0	0.48	ug/L			12/08/20 18:53	1
Bromomethane	<0.80		3.0	0.80	ug/L			12/08/20 18:53	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			12/08/20 18:53	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			12/08/20 18:53	1
Chloroethane	<0.51		1.0	0.51	ug/L			12/08/20 18:53	1
Chloroform	<0.37		2.0	0.37	ug/L			12/08/20 18:53	1
Chloromethane	<0.32		1.0	0.32	ug/L			12/08/20 18:53	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			12/08/20 18:53	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			12/08/20 18:53	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			12/08/20 18:53	1
Dibromomethane	<0.27		1.0	0.27	ug/L			12/08/20 18:53	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			12/08/20 18:53	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			12/08/20 18:53	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			12/08/20 18:53	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			12/08/20 18:53	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 18:53	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			12/08/20 18:53	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			12/08/20 18:53	1
Naphthalene	<0.34		1.0	0.34	ug/L			12/08/20 18:53	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 18:53	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			12/08/20 18:53	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			12/08/20 18:53	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: BD#2

Lab Sample ID: 500-191815-9

Date Collected: 11/30/20 10:45

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 18:53	1
Styrene	<0.39		1.0	0.39	ug/L			12/08/20 18:53	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 18:53	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			12/08/20 18:53	1
Toluene	<0.15		0.50	0.15	ug/L			12/08/20 18:53	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			12/08/20 18:53	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			12/08/20 18:53	1
Trichloroethene	<0.16		0.50	0.16	ug/L			12/08/20 18:53	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			12/08/20 18:53	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			12/08/20 18:53	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			12/08/20 18:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		75 - 126		12/08/20 18:53	1
4-Bromofluorobenzene (Surr)	90		72 - 124		12/08/20 18:53	1
Dibromofluoromethane (Surr)	110		75 - 120		12/08/20 18:53	1
Toluene-d8 (Surr)	94		75 - 120		12/08/20 18:53	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.22	*1	1.5	0.22	ug/L		12/03/20 07:21	12/03/20 22:16	1
2-Methylnaphthalene	<0.048	*1	1.5	0.048	ug/L		12/03/20 07:21	12/03/20 22:16	1
Acenaphthene	<0.23	*1	0.74	0.23	ug/L		12/03/20 07:21	12/03/20 22:16	1
Acenaphthylene	<0.20		0.74	0.20	ug/L		12/03/20 07:21	12/03/20 22:16	1
Anthracene	<0.25		0.74	0.25	ug/L		12/03/20 07:21	12/03/20 22:16	1
Benzo[a]anthracene	<0.042		0.15	0.042	ug/L		12/03/20 07:21	12/03/20 22:16	1
Benzo[a]pyrene	<0.073	*1	0.15	0.073	ug/L		12/03/20 07:21	12/03/20 22:16	1
Benzo[b]fluoranthene	<0.059		0.15	0.059	ug/L		12/03/20 07:21	12/03/20 22:16	1
Benzo[g,h,i]perylene	<0.28		0.74	0.28	ug/L		12/03/20 07:21	12/03/20 22:16	1
Benzo[k]fluoranthene	<0.047	*1	0.15	0.047	ug/L		12/03/20 07:21	12/03/20 22:16	1
Chrysene	<0.050		0.15	0.050	ug/L		12/03/20 07:21	12/03/20 22:16	1
Dibenz(a,h)anthracene	<0.037	*1	0.22	0.037	ug/L		12/03/20 07:21	12/03/20 22:16	1
Fluoranthene	<0.33		0.74	0.33	ug/L		12/03/20 07:21	12/03/20 22:16	1
Fluorene	<0.18		0.74	0.18	ug/L		12/03/20 07:21	12/03/20 22:16	1
Indeno[1,2,3-cd]pyrene	<0.055		0.15	0.055	ug/L		12/03/20 07:21	12/03/20 22:16	1
Naphthalene	<0.23	*1	0.74	0.23	ug/L		12/03/20 07:21	12/03/20 22:16	1
Phenanthrene	<0.22		0.74	0.22	ug/L		12/03/20 07:21	12/03/20 22:16	1
Pyrene	<0.31		0.74	0.31	ug/L		12/03/20 07:21	12/03/20 22:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	64		34 - 110	12/03/20 07:21	12/03/20 22:16	1
Nitrobenzene-d5 (Surr)	66		36 - 120	12/03/20 07:21	12/03/20 22:16	1
Terphenyl-d14 (Surr)	106		40 - 145	12/03/20 07:21	12/03/20 22:16	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: BD#2

Lab Sample ID: 500-191815-9

Date Collected: 11/30/20 10:45

Matrix: Water

Date Received: 12/02/20 10:55

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.34	J	1.0	0.23	ug/L		12/02/20 17:53	12/04/20 11:38	1
Barium	3.8		2.5	0.73	ug/L		12/02/20 17:53	12/04/20 11:38	1
Cadmium	<0.17		0.50	0.17	ug/L		12/02/20 17:53	12/03/20 17:22	1
Chromium	<1.1		5.0	1.1	ug/L		12/02/20 17:53	12/03/20 17:22	1
Lead	0.24	J	0.50	0.19	ug/L		12/02/20 17:53	12/03/20 17:22	1
Selenium	<0.98		2.5	0.98	ug/L		12/02/20 17:53	12/03/20 17:22	1
Silver	<0.12		0.50	0.12	ug/L		12/02/20 17:53	12/03/20 17:22	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		12/03/20 09:10	12/04/20 07:44	1



Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: BD#10

Lab Sample ID: 500-191815-10

Date Collected: 11/30/20 11:15

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			12/08/20 19:20	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			12/08/20 19:20	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			12/08/20 19:20	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			12/08/20 19:20	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			12/08/20 19:20	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			12/08/20 19:20	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			12/08/20 19:20	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			12/08/20 19:20	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			12/08/20 19:20	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			12/08/20 19:20	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			12/08/20 19:20	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			12/08/20 19:20	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			12/08/20 19:20	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			12/08/20 19:20	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			12/08/20 19:20	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			12/08/20 19:20	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			12/08/20 19:20	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			12/08/20 19:20	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			12/08/20 19:20	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			12/08/20 19:20	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			12/08/20 19:20	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			12/08/20 19:20	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			12/08/20 19:20	1
Benzene	<0.15		0.50	0.15	ug/L			12/08/20 19:20	1
Bromobenzene	<0.36		1.0	0.36	ug/L			12/08/20 19:20	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			12/08/20 19:20	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			12/08/20 19:20	1
Bromoform	<0.48		1.0	0.48	ug/L			12/08/20 19:20	1
Bromomethane	<0.80		3.0	0.80	ug/L			12/08/20 19:20	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			12/08/20 19:20	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			12/08/20 19:20	1
Chloroethane	<0.51		1.0	0.51	ug/L			12/08/20 19:20	1
Chloroform	<0.37		2.0	0.37	ug/L			12/08/20 19:20	1
Chloromethane	<0.32		1.0	0.32	ug/L			12/08/20 19:20	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			12/08/20 19:20	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			12/08/20 19:20	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			12/08/20 19:20	1
Dibromomethane	<0.27		1.0	0.27	ug/L			12/08/20 19:20	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			12/08/20 19:20	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			12/08/20 19:20	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			12/08/20 19:20	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			12/08/20 19:20	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 19:20	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			12/08/20 19:20	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			12/08/20 19:20	1
Naphthalene	<0.34		1.0	0.34	ug/L			12/08/20 19:20	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 19:20	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			12/08/20 19:20	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			12/08/20 19:20	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: BD#10

Lab Sample ID: 500-191815-10

Date Collected: 11/30/20 11:15

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 19:20	1
Styrene	<0.39		1.0	0.39	ug/L			12/08/20 19:20	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 19:20	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			12/08/20 19:20	1
Toluene	<0.15		0.50	0.15	ug/L			12/08/20 19:20	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			12/08/20 19:20	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			12/08/20 19:20	1
Trichloroethene	<0.16		0.50	0.16	ug/L			12/08/20 19:20	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			12/08/20 19:20	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			12/08/20 19:20	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			12/08/20 19:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		75 - 126		12/08/20 19:20	1
4-Bromofluorobenzene (Surr)	90		72 - 124		12/08/20 19:20	1
Dibromofluoromethane (Surr)	109		75 - 120		12/08/20 19:20	1
Toluene-d8 (Surr)	96		75 - 120		12/08/20 19:20	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.22	*1	1.5	0.22	ug/L		12/03/20 07:21	12/03/20 22:42	1
2-Methylnaphthalene	<0.048	*1	1.5	0.048	ug/L		12/03/20 07:21	12/03/20 22:42	1
Acenaphthene	<0.23	*1	0.73	0.23	ug/L		12/03/20 07:21	12/03/20 22:42	1
Acenaphthylene	<0.20		0.73	0.20	ug/L		12/03/20 07:21	12/03/20 22:42	1
Anthracene	<0.24		0.73	0.24	ug/L		12/03/20 07:21	12/03/20 22:42	1
Benzo[a]anthracene	<0.041		0.15	0.041	ug/L		12/03/20 07:21	12/03/20 22:42	1
Benzo[a]pyrene	<0.072	*1	0.15	0.072	ug/L		12/03/20 07:21	12/03/20 22:42	1
Benzo[b]fluoranthene	<0.059		0.15	0.059	ug/L		12/03/20 07:21	12/03/20 22:42	1
Benzo[g,h,i]perylene	<0.27		0.73	0.27	ug/L		12/03/20 07:21	12/03/20 22:42	1
Benzo[k]fluoranthene	<0.047	*1	0.15	0.047	ug/L		12/03/20 07:21	12/03/20 22:42	1
Chrysene	<0.050		0.15	0.050	ug/L		12/03/20 07:21	12/03/20 22:42	1
Dibenz(a,h)anthracene	<0.037	*1	0.22	0.037	ug/L		12/03/20 07:21	12/03/20 22:42	1
Fluoranthene	<0.33		0.73	0.33	ug/L		12/03/20 07:21	12/03/20 22:42	1
Fluorene	<0.18		0.73	0.18	ug/L		12/03/20 07:21	12/03/20 22:42	1
Indeno[1,2,3-cd]pyrene	<0.055		0.15	0.055	ug/L		12/03/20 07:21	12/03/20 22:42	1
Naphthalene	<0.23	*1	0.73	0.23	ug/L		12/03/20 07:21	12/03/20 22:42	1
Phenanthrene	<0.22		0.73	0.22	ug/L		12/03/20 07:21	12/03/20 22:42	1
Pyrene	<0.31		0.73	0.31	ug/L		12/03/20 07:21	12/03/20 22:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	73		34 - 110	12/03/20 07:21	12/03/20 22:42	1
Nitrobenzene-d5 (Surr)	77		36 - 120	12/03/20 07:21	12/03/20 22:42	1
Terphenyl-d14 (Surr)	103		40 - 145	12/03/20 07:21	12/03/20 22:42	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: BD#10
Date Collected: 11/30/20 11:15
Date Received: 12/02/20 10:55

Lab Sample ID: 500-191815-10
Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.1		1.0	0.23	ug/L		12/02/20 17:53	12/04/20 11:41	1
Barium	17		2.5	0.73	ug/L		12/02/20 17:53	12/04/20 11:41	1
Cadmium	<0.17		0.50	0.17	ug/L		12/02/20 17:53	12/03/20 17:25	1
Chromium	<1.1		5.0	1.1	ug/L		12/02/20 17:53	12/03/20 17:25	1
Lead	0.93		0.50	0.19	ug/L		12/02/20 17:53	12/03/20 17:25	1
Selenium	<0.98		2.5	0.98	ug/L		12/02/20 17:53	12/03/20 17:25	1
Silver	<0.12		0.50	0.12	ug/L		12/02/20 17:53	12/03/20 17:25	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		12/03/20 09:10	12/04/20 07:46	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-5S (Dup)

Lab Sample ID: 500-191815-11

Date Collected: 11/30/20 14:00

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			12/08/20 19:47	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			12/08/20 19:47	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			12/08/20 19:47	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			12/08/20 19:47	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			12/08/20 19:47	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			12/08/20 19:47	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			12/08/20 19:47	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			12/08/20 19:47	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			12/08/20 19:47	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			12/08/20 19:47	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			12/08/20 19:47	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			12/08/20 19:47	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			12/08/20 19:47	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			12/08/20 19:47	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			12/08/20 19:47	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			12/08/20 19:47	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			12/08/20 19:47	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			12/08/20 19:47	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			12/08/20 19:47	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			12/08/20 19:47	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			12/08/20 19:47	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			12/08/20 19:47	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			12/08/20 19:47	1
Benzene	<0.15		0.50	0.15	ug/L			12/08/20 19:47	1
Bromobenzene	<0.36		1.0	0.36	ug/L			12/08/20 19:47	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			12/08/20 19:47	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			12/08/20 19:47	1
Bromoform	<0.48		1.0	0.48	ug/L			12/08/20 19:47	1
Bromomethane	<0.80		3.0	0.80	ug/L			12/08/20 19:47	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			12/08/20 19:47	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			12/08/20 19:47	1
Chloroethane	<0.51		1.0	0.51	ug/L			12/08/20 19:47	1
Chloroform	<0.37		2.0	0.37	ug/L			12/08/20 19:47	1
Chloromethane	<0.32		1.0	0.32	ug/L			12/08/20 19:47	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			12/08/20 19:47	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			12/08/20 19:47	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			12/08/20 19:47	1
Dibromomethane	<0.27		1.0	0.27	ug/L			12/08/20 19:47	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			12/08/20 19:47	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			12/08/20 19:47	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			12/08/20 19:47	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			12/08/20 19:47	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 19:47	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			12/08/20 19:47	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			12/08/20 19:47	1
Naphthalene	<0.34		1.0	0.34	ug/L			12/08/20 19:47	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 19:47	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			12/08/20 19:47	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			12/08/20 19:47	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-5S (Dup)

Lab Sample ID: 500-191815-11

Date Collected: 11/30/20 14:00

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 19:47	1
Styrene	<0.39		1.0	0.39	ug/L			12/08/20 19:47	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 19:47	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			12/08/20 19:47	1
Toluene	<0.15		0.50	0.15	ug/L			12/08/20 19:47	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			12/08/20 19:47	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			12/08/20 19:47	1
Trichloroethene	<0.16		0.50	0.16	ug/L			12/08/20 19:47	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			12/08/20 19:47	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			12/08/20 19:47	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			12/08/20 19:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		75 - 126		12/08/20 19:47	1
4-Bromofluorobenzene (Surr)	89		72 - 124		12/08/20 19:47	1
Dibromofluoromethane (Surr)	109		75 - 120		12/08/20 19:47	1
Toluene-d8 (Surr)	95		75 - 120		12/08/20 19:47	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.25	*1	1.7	0.25	ug/L		12/03/20 07:21	12/03/20 23:08	1
2-Methylnaphthalene	<0.055	*1	1.7	0.055	ug/L		12/03/20 07:21	12/03/20 23:08	1
Acenaphthene	<0.26	*1	0.84	0.26	ug/L		12/03/20 07:21	12/03/20 23:08	1
Acenaphthylene	<0.22		0.84	0.22	ug/L		12/03/20 07:21	12/03/20 23:08	1
Anthracene	<0.28		0.84	0.28	ug/L		12/03/20 07:21	12/03/20 23:08	1
Benzo[a]anthracene	<0.048		0.17	0.048	ug/L		12/03/20 07:21	12/03/20 23:08	1
Benzo[a]pyrene	<0.083	*1	0.17	0.083	ug/L		12/03/20 07:21	12/03/20 23:08	1
Benzo[b]fluoranthene	<0.068		0.17	0.068	ug/L		12/03/20 07:21	12/03/20 23:08	1
Benzo[g,h,i]perylene	<0.32		0.84	0.32	ug/L		12/03/20 07:21	12/03/20 23:08	1
Benzo[k]fluoranthene	<0.054	*1	0.17	0.054	ug/L		12/03/20 07:21	12/03/20 23:08	1
Chrysene	<0.057		0.17	0.057	ug/L		12/03/20 07:21	12/03/20 23:08	1
Dibenz(a,h)anthracene	<0.043	*1	0.25	0.043	ug/L		12/03/20 07:21	12/03/20 23:08	1
Fluoranthene	<0.38		0.84	0.38	ug/L		12/03/20 07:21	12/03/20 23:08	1
Fluorene	<0.20		0.84	0.20	ug/L		12/03/20 07:21	12/03/20 23:08	1
Indeno[1,2,3-cd]pyrene	<0.063		0.17	0.063	ug/L		12/03/20 07:21	12/03/20 23:08	1
Naphthalene	<0.26	*1	0.84	0.26	ug/L		12/03/20 07:21	12/03/20 23:08	1
Phenanthrene	<0.25		0.84	0.25	ug/L		12/03/20 07:21	12/03/20 23:08	1
Pyrene	<0.36		0.84	0.36	ug/L		12/03/20 07:21	12/03/20 23:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	76		34 - 110	12/03/20 07:21	12/03/20 23:08	1
Nitrobenzene-d5 (Surr)	81		36 - 120	12/03/20 07:21	12/03/20 23:08	1
Terphenyl-d14 (Surr)	95		40 - 145	12/03/20 07:21	12/03/20 23:08	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-5S (Dup)

Lab Sample ID: 500-191815-11

Date Collected: 11/30/20 14:00

Matrix: Water

Date Received: 12/02/20 10:55

Method: 6020A - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.35	J	1.0	0.23	ug/L		12/02/20 17:53	12/04/20 11:45	1
Barium	11		2.5	0.73	ug/L		12/02/20 17:53	12/04/20 11:45	1
Cadmium	<0.17		0.50	0.17	ug/L		12/02/20 17:53	12/03/20 17:28	1
Chromium	<1.1		5.0	1.1	ug/L		12/02/20 17:53	12/03/20 17:28	1
Lead	<0.19		0.50	0.19	ug/L		12/02/20 17:53	12/03/20 17:28	1
Selenium	<0.98		2.5	0.98	ug/L		12/02/20 17:53	12/03/20 17:28	1
Silver	<0.12		0.50	0.12	ug/L		12/02/20 17:53	12/03/20 17:28	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11	J	0.20	0.098	ug/L		12/03/20 09:10	12/04/20 07:53	1

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-1 (Dup)

Date Collected: 11/30/20 12:50

Date Received: 12/02/20 10:55

Lab Sample ID: 500-191815-12

Matrix: Water

1

2

3

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Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-191815-13

Date Collected: 11/30/20 00:00

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			12/08/20 11:51	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			12/08/20 11:51	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			12/08/20 11:51	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			12/08/20 11:51	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			12/08/20 11:51	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			12/08/20 11:51	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			12/08/20 11:51	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			12/08/20 11:51	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			12/08/20 11:51	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			12/08/20 11:51	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			12/08/20 11:51	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			12/08/20 11:51	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			12/08/20 11:51	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			12/08/20 11:51	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			12/08/20 11:51	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			12/08/20 11:51	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			12/08/20 11:51	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			12/08/20 11:51	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			12/08/20 11:51	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			12/08/20 11:51	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			12/08/20 11:51	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			12/08/20 11:51	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			12/08/20 11:51	1
Benzene	<0.15		0.50	0.15	ug/L			12/08/20 11:51	1
Bromobenzene	<0.36		1.0	0.36	ug/L			12/08/20 11:51	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			12/08/20 11:51	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			12/08/20 11:51	1
Bromoform	<0.48		1.0	0.48	ug/L			12/08/20 11:51	1
Bromomethane	<0.80		3.0	0.80	ug/L			12/08/20 11:51	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			12/08/20 11:51	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			12/08/20 11:51	1
Chloroethane	<0.51		1.0	0.51	ug/L			12/08/20 11:51	1
Chloroform	<0.37		2.0	0.37	ug/L			12/08/20 11:51	1
Chloromethane	<0.32		1.0	0.32	ug/L			12/08/20 11:51	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			12/08/20 11:51	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			12/08/20 11:51	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			12/08/20 11:51	1
Dibromomethane	<0.27		1.0	0.27	ug/L			12/08/20 11:51	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			12/08/20 11:51	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			12/08/20 11:51	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			12/08/20 11:51	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			12/08/20 11:51	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 11:51	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			12/08/20 11:51	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			12/08/20 11:51	1
Naphthalene	<0.34		1.0	0.34	ug/L			12/08/20 11:51	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 11:51	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			12/08/20 11:51	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			12/08/20 11:51	1

Eurofins TestAmerica, Chicago

Client Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-191815-13

Date Collected: 11/30/20 00:00

Matrix: Water

Date Received: 12/02/20 10:55

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 11:51	1
Styrene	<0.39		1.0	0.39	ug/L			12/08/20 11:51	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 11:51	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			12/08/20 11:51	1
Toluene	<0.15		0.50	0.15	ug/L			12/08/20 11:51	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			12/08/20 11:51	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			12/08/20 11:51	1
Trichloroethene	<0.16		0.50	0.16	ug/L			12/08/20 11:51	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			12/08/20 11:51	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			12/08/20 11:51	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			12/08/20 11:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		75 - 126		12/08/20 11:51	1
4-Bromofluorobenzene (Surr)	90		72 - 124		12/08/20 11:51	1
Dibromofluoromethane (Surr)	104		75 - 120		12/08/20 11:51	1
Toluene-d8 (Surr)	101		75 - 120		12/08/20 11:51	1

Definitions/Glossary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.

HPLC/IC

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.
X	Surrogate recovery exceeds control limits

LCMS

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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.
α	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

QC Association Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

GC/MS VOA

Analysis Batch: 575764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191815-1	MW-8	Total/NA	Water	8260B	
500-191815-2	MW-3	Total/NA	Water	8260B	
500-191815-3	MW-2	Total/NA	Water	8260B	
500-191815-4	MW-1	Total/NA	Water	8260B	
500-191815-5	MW-4S	Total/NA	Water	8260B	
500-191815-6	MW-5S	Total/NA	Water	8260B	
500-191815-7	MW-6S	Total/NA	Water	8260B	
500-191815-8	BD#1	Total/NA	Water	8260B	
500-191815-9	BD#2	Total/NA	Water	8260B	
500-191815-10	BD#10	Total/NA	Water	8260B	
500-191815-11	MW-5S (Dup)	Total/NA	Water	8260B	
500-191815-13	Trip Blank	Total/NA	Water	8260B	
MB 500-575764/6	Method Blank	Total/NA	Water	8260B	
LCS 500-575764/4	Lab Control Sample	Total/NA	Water	8260B	
500-191815-11 MS	MW-5S (Dup)	Total/NA	Water	8260B	
500-191815-11 MSD	MW-5S (Dup)	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 575080

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191815-1	MW-8	Total/NA	Water	3510C	
500-191815-2	MW-3	Total/NA	Water	3510C	
500-191815-3	MW-2	Total/NA	Water	3510C	
500-191815-4	MW-1	Total/NA	Water	3510C	
500-191815-5	MW-4S	Total/NA	Water	3510C	
500-191815-6	MW-5S	Total/NA	Water	3510C	
500-191815-7	MW-6S	Total/NA	Water	3510C	
500-191815-8	BD#1	Total/NA	Water	3510C	
500-191815-9	BD#2	Total/NA	Water	3510C	
500-191815-10	BD#10	Total/NA	Water	3510C	
500-191815-11	MW-5S (Dup)	Total/NA	Water	3510C	
MB 500-575080/1-A	Method Blank	Total/NA	Water	3510C	
LCS 500-575080/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 500-575080/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 575190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191815-1	MW-8	Total/NA	Water	8270D	575080
500-191815-2	MW-3	Total/NA	Water	8270D	575080
500-191815-3	MW-2	Total/NA	Water	8270D	575080
500-191815-4	MW-1	Total/NA	Water	8270D	575080
500-191815-5	MW-4S	Total/NA	Water	8270D	575080
500-191815-6	MW-5S	Total/NA	Water	8270D	575080
500-191815-7	MW-6S	Total/NA	Water	8270D	575080
500-191815-8	BD#1	Total/NA	Water	8270D	575080
500-191815-9	BD#2	Total/NA	Water	8270D	575080
500-191815-10	BD#10	Total/NA	Water	8270D	575080
500-191815-11	MW-5S (Dup)	Total/NA	Water	8270D	575080
MB 500-575080/1-A	Method Blank	Total/NA	Water	8270D	575080
LCS 500-575080/2-A	Lab Control Sample	Total/NA	Water	8270D	575080

Eurofins TestAmerica, Chicago

QC Association Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

GC/MS Semi VOA (Continued)

Analysis Batch: 575190 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 500-575080/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	575080

HPLC/IC

Prep Batch: 519498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191815-1	MW-8	Total/NA	Water	3535	
500-191815-2	MW-3	Total/NA	Water	3535	
500-191815-3	MW-2	Total/NA	Water	3535	
500-191815-4	MW-1	Total/NA	Water	3535	
500-191815-5	MW-4S	Total/NA	Water	3535	
500-191815-6	MW-5S	Total/NA	Water	3535	
500-191815-7	MW-6S	Total/NA	Water	3535	
500-191815-8	BD#1	Total/NA	Water	3535	
500-191815-9	BD#2	Total/NA	Water	3535	
500-191815-10	BD#10	Total/NA	Water	3535	
500-191815-11	MW-5S (Dup)	Total/NA	Water	3535	
MB 280-519498/1-A	Method Blank	Total/NA	Water	3535	
LCS 280-519498/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 280-519498/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 519699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191815-1	MW-8	Total/NA	Water	8330A	519498
500-191815-2	MW-3	Total/NA	Water	8330A	519498
500-191815-3	MW-2	Total/NA	Water	8330A	519498
500-191815-4	MW-1	Total/NA	Water	8330A	519498
500-191815-5	MW-4S	Total/NA	Water	8330A	519498
500-191815-6	MW-5S	Total/NA	Water	8330A	519498
500-191815-7	MW-6S	Total/NA	Water	8330A	519498
500-191815-8	BD#1	Total/NA	Water	8330A	519498
500-191815-9	BD#2	Total/NA	Water	8330A	519498
500-191815-10	BD#10	Total/NA	Water	8330A	519498
500-191815-11	MW-5S (Dup)	Total/NA	Water	8330A	519498
MB 280-519498/1-A	Method Blank	Total/NA	Water	8330A	519498
LCS 280-519498/2-A	Lab Control Sample	Total/NA	Water	8330A	519498
LCSD 280-519498/3-A	Lab Control Sample Dup	Total/NA	Water	8330A	519498

Analysis Batch: 519844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191815-2	MW-3	Total/NA	Water	8330A	519498
500-191815-5	MW-4S	Total/NA	Water	8330A	519498
500-191815-6	MW-5S	Total/NA	Water	8330A	519498
500-191815-7	MW-6S	Total/NA	Water	8330A	519498
500-191815-9	BD#2	Total/NA	Water	8330A	519498
500-191815-11	MW-5S (Dup)	Total/NA	Water	8330A	519498

LCMS

Analysis Batch: 519621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191815-1	MW-8	Total/NA	Water	6860	

Eurofins TestAmerica, Chicago

QC Association Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

LCMS (Continued)

Analysis Batch: 519621 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191815-2	MW-3	Total/NA	Water	6860	
500-191815-3	MW-2	Total/NA	Water	6860	
MB 280-519621/13	Method Blank	Total/NA	Water	6860	
DLCK 280-519621/12	Lab Control Sample	Total/NA	Water	6860	
LCS 280-519621/14	Lab Control Sample	Total/NA	Water	6860	
500-191815-1 MS	MW-8	Total/NA	Water	6860	
500-191815-1 MSD	MW-8	Total/NA	Water	6860	

Analysis Batch: 520503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
DLCK 280-520503/12	Lab Control Sample	Total/NA	Water	6860	

Analysis Batch: 520504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191815-4	MW-1	Total/NA	Water	6860	
500-191815-12	MW-1 (Dup)	Total/NA	Water	6860	
MB 280-520504/44	Method Blank	Total/NA	Water	6860	
LCS 280-520504/45	Lab Control Sample	Total/NA	Water	6860	
LCSD 280-520504/46	Lab Control Sample Dup	Total/NA	Water	6860	

Metals

Prep Batch: 575039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191815-1	MW-8	Dissolved	Water	3005A	
500-191815-2	MW-3	Dissolved	Water	3005A	
500-191815-3	MW-2	Dissolved	Water	3005A	
500-191815-4	MW-1	Dissolved	Water	3005A	
500-191815-5	MW-4S	Dissolved	Water	3005A	
500-191815-6	MW-5S	Dissolved	Water	3005A	
500-191815-7	MW-6S	Dissolved	Water	3005A	
500-191815-8	BD#1	Total Recoverable	Water	3005A	
500-191815-9	BD#2	Total Recoverable	Water	3005A	
500-191815-10	BD#10	Total Recoverable	Water	3005A	
500-191815-11	MW-5S (Dup)	Dissolved	Water	3005A	
MB 500-575039/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-575039/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 575129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191815-1	MW-8	Dissolved	Water	7470A	
500-191815-2	MW-3	Dissolved	Water	7470A	
500-191815-3	MW-2	Dissolved	Water	7470A	
500-191815-4	MW-1	Dissolved	Water	7470A	
500-191815-5	MW-4S	Dissolved	Water	7470A	
500-191815-6	MW-5S	Dissolved	Water	7470A	
500-191815-7	MW-6S	Dissolved	Water	7470A	
500-191815-8	BD#1	Total/NA	Water	7470A	
500-191815-9	BD#2	Total/NA	Water	7470A	
500-191815-10	BD#10	Total/NA	Water	7470A	
500-191815-11	MW-5S (Dup)	Dissolved	Water	7470A	

Eurofins TestAmerica, Chicago

QC Association Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Metals (Continued)

Prep Batch: 575129 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-575129/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-575129/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-191815-6 MS	MW-5S	Dissolved	Water	7470A	
500-191815-6 MSD	MW-5S	Dissolved	Water	7470A	
500-191815-6 DU	MW-5S	Dissolved	Water	7470A	

Analysis Batch: 575355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191815-1	MW-8	Dissolved	Water	6020A	575039
500-191815-2	MW-3	Dissolved	Water	6020A	575039
500-191815-3	MW-2	Dissolved	Water	6020A	575039
500-191815-4	MW-1	Dissolved	Water	6020A	575039
500-191815-5	MW-4S	Dissolved	Water	6020A	575039
500-191815-6	MW-5S	Dissolved	Water	6020A	575039
500-191815-7	MW-6S	Dissolved	Water	6020A	575039
500-191815-8	BD#1	Total Recoverable	Water	6020A	575039
500-191815-9	BD#2	Total Recoverable	Water	6020A	575039
500-191815-10	BD#10	Total Recoverable	Water	6020A	575039
500-191815-11	MW-5S (Dup)	Dissolved	Water	6020A	575039
MB 500-575039/1-A	Method Blank	Total Recoverable	Water	6020A	575039
LCS 500-575039/2-A	Lab Control Sample	Total Recoverable	Water	6020A	575039

Analysis Batch: 575357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191815-1	MW-8	Dissolved	Water	7470A	575129
500-191815-2	MW-3	Dissolved	Water	7470A	575129
500-191815-3	MW-2	Dissolved	Water	7470A	575129
500-191815-4	MW-1	Dissolved	Water	7470A	575129
500-191815-5	MW-4S	Dissolved	Water	7470A	575129
500-191815-6	MW-5S	Dissolved	Water	7470A	575129
500-191815-7	MW-6S	Dissolved	Water	7470A	575129
500-191815-8	BD#1	Total/NA	Water	7470A	575129
500-191815-9	BD#2	Total/NA	Water	7470A	575129
500-191815-10	BD#10	Total/NA	Water	7470A	575129
500-191815-11	MW-5S (Dup)	Dissolved	Water	7470A	575129
MB 500-575129/12-A	Method Blank	Total/NA	Water	7470A	575129
LCS 500-575129/13-A	Lab Control Sample	Total/NA	Water	7470A	575129
500-191815-6 MS	MW-5S	Dissolved	Water	7470A	575129
500-191815-6 MSD	MW-5S	Dissolved	Water	7470A	575129
500-191815-6 DU	MW-5S	Dissolved	Water	7470A	575129

Analysis Batch: 575595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191815-1	MW-8	Dissolved	Water	6020A	575039
500-191815-2	MW-3	Dissolved	Water	6020A	575039
500-191815-3	MW-2	Dissolved	Water	6020A	575039
500-191815-4	MW-1	Dissolved	Water	6020A	575039
500-191815-5	MW-4S	Dissolved	Water	6020A	575039
500-191815-6	MW-5S	Dissolved	Water	6020A	575039
500-191815-7	MW-6S	Dissolved	Water	6020A	575039
500-191815-8	BD#1	Total Recoverable	Water	6020A	575039

Eurofins TestAmerica, Chicago

QC Association Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Metals (Continued)

Analysis Batch: 575595 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-191815-9	BD#2	Total Recoverable	Water	6020A	575039
500-191815-10	BD#10	Total Recoverable	Water	6020A	575039
500-191815-11	MW-5S (Dup)	Dissolved	Water	6020A	575039
MB 500-575039/1-A	Method Blank	Total Recoverable	Water	6020A	575039
LCS 500-575039/2-A	Lab Control Sample	Total Recoverable	Water	6020A	575039

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Surrogate Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (75-126)	BFB (72-124)	DBFM (75-120)	TOL (75-120)
500-191815-1	MW-8	101	92	109	96
500-191815-2	MW-3	99	89	104	96
500-191815-3	MW-2	110	91	111	95
500-191815-4	MW-1	104	92	109	97
500-191815-5	MW-4S	105	92	110	96
500-191815-6	MW-5S	108	88	113	93
500-191815-7	MW-6S	103	92	110	96
500-191815-8	BD#1	105	92	111	96
500-191815-9	BD#2	103	90	110	94
500-191815-10	BD#10	105	90	109	96
500-191815-11	MW-5S (Dup)	104	89	109	95
500-191815-11 MS	MW-5S (Dup)	107	94	113	95
500-191815-11 MSD	MW-5S (Dup)	103	93	110	97
500-191815-13	Trip Blank	98	90	104	101
LCS 500-575764/4	Lab Control Sample	101	95	106	98
MB 500-575764/6	Method Blank	99	89	105	97

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (34-110)	NBZ (36-120)	TPHL (40-145)
500-191815-1	MW-8	74	82	101
500-191815-2	MW-3	58	74	100
500-191815-3	MW-2	69	82	101
500-191815-4	MW-1	58	79	105
500-191815-5	MW-4S	77	81	104
500-191815-6	MW-5S	70	77	94
500-191815-7	MW-6S	82	87	97
500-191815-8	BD#1	70	75	99
500-191815-9	BD#2	64	66	106
500-191815-10	BD#10	73	77	103
500-191815-11	MW-5S (Dup)	76	81	95
LCS 500-575080/2-A	Lab Control Sample	36	34 S1-	42
LCSD 500-575080/3-A	Lab Control Sample Dup	77	86	97
MB 500-575080/1-A	Method Blank	70	82	105

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHL = Terphenyl-d14 (Surr)

Surrogate Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

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QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-575764/6
Matrix: Water
Analysis Batch: 575764

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			12/08/20 11:25	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			12/08/20 11:25	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			12/08/20 11:25	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			12/08/20 11:25	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			12/08/20 11:25	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			12/08/20 11:25	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			12/08/20 11:25	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			12/08/20 11:25	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			12/08/20 11:25	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			12/08/20 11:25	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			12/08/20 11:25	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			12/08/20 11:25	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			12/08/20 11:25	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			12/08/20 11:25	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			12/08/20 11:25	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			12/08/20 11:25	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			12/08/20 11:25	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			12/08/20 11:25	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			12/08/20 11:25	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			12/08/20 11:25	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			12/08/20 11:25	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			12/08/20 11:25	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			12/08/20 11:25	1
Benzene	<0.15		0.50	0.15	ug/L			12/08/20 11:25	1
Bromobenzene	<0.36		1.0	0.36	ug/L			12/08/20 11:25	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			12/08/20 11:25	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			12/08/20 11:25	1
Bromoform	<0.48		1.0	0.48	ug/L			12/08/20 11:25	1
Bromomethane	<0.80		3.0	0.80	ug/L			12/08/20 11:25	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			12/08/20 11:25	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			12/08/20 11:25	1
Chloroethane	<0.51		1.0	0.51	ug/L			12/08/20 11:25	1
Chloroform	<0.37		2.0	0.37	ug/L			12/08/20 11:25	1
Chloromethane	<0.32		1.0	0.32	ug/L			12/08/20 11:25	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			12/08/20 11:25	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			12/08/20 11:25	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			12/08/20 11:25	1
Dibromomethane	<0.27		1.0	0.27	ug/L			12/08/20 11:25	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			12/08/20 11:25	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			12/08/20 11:25	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			12/08/20 11:25	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			12/08/20 11:25	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 11:25	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			12/08/20 11:25	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			12/08/20 11:25	1
Naphthalene	<0.34		1.0	0.34	ug/L			12/08/20 11:25	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			12/08/20 11:25	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			12/08/20 11:25	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-575764/6
Matrix: Water
Analysis Batch: 575764

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			12/08/20 11:25	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 11:25	1
Styrene	<0.39		1.0	0.39	ug/L			12/08/20 11:25	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			12/08/20 11:25	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			12/08/20 11:25	1
Toluene	<0.15		0.50	0.15	ug/L			12/08/20 11:25	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			12/08/20 11:25	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			12/08/20 11:25	1
Trichloroethene	<0.16		0.50	0.16	ug/L			12/08/20 11:25	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			12/08/20 11:25	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			12/08/20 11:25	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			12/08/20 11:25	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	99		75 - 126		12/08/20 11:25	1
4-Bromofluorobenzene (Surr)	89		72 - 124		12/08/20 11:25	1
Dibromofluoromethane (Surr)	105		75 - 120		12/08/20 11:25	1
Toluene-d8 (Surr)	97		75 - 120		12/08/20 11:25	1

Lab Sample ID: LCS 500-575764/4
Matrix: Water
Analysis Batch: 575764

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,1,2-Tetrachloroethane	50.0	50.9		ug/L		102	70 - 125
1,1,1-Trichloroethane	50.0	51.0		ug/L		102	70 - 125
1,1,1,2-Tetrachloroethane	50.0	42.7		ug/L		85	62 - 140
1,1,2-Trichloroethane	50.0	43.0		ug/L		86	71 - 130
1,1-Dichloroethane	50.0	52.1		ug/L		104	70 - 125
1,1-Dichloroethene	50.0	50.4		ug/L		101	67 - 122
1,1-Dichloropropene	50.0	50.3		ug/L		101	70 - 121
1,2,3-Trichlorobenzene	50.0	48.7		ug/L		97	51 - 145
1,2,3-Trichloropropane	50.0	43.6		ug/L		87	50 - 133
1,2,4-Trichlorobenzene	50.0	49.9		ug/L		100	57 - 137
1,2,4-Trimethylbenzene	50.0	49.3		ug/L		99	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	43.1		ug/L		86	56 - 123
1,2-Dibromoethane	50.0	46.0		ug/L		92	70 - 125
1,2-Dichlorobenzene	50.0	47.6		ug/L		95	70 - 125
1,2-Dichloroethane	50.0	48.3		ug/L		97	68 - 127
1,2-Dichloropropane	50.0	49.5		ug/L		99	67 - 130
1,3,5-Trimethylbenzene	50.0	50.0		ug/L		100	70 - 123
1,3-Dichlorobenzene	50.0	49.8		ug/L		100	70 - 125
1,3-Dichloropropane	50.0	44.9		ug/L		90	62 - 136
1,4-Dichlorobenzene	50.0	47.4		ug/L		95	70 - 120
2,2-Dichloropropane	50.0	48.1		ug/L		96	58 - 139
2-Chlorotoluene	50.0	48.2		ug/L		96	70 - 125
4-Chlorotoluene	50.0	46.9		ug/L		94	68 - 124
Benzene	50.0	49.9		ug/L		100	70 - 120

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-575764/4

Matrix: Water

Analysis Batch: 575764

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	50.0	46.6		ug/L		93	70 - 122
Bromochloromethane	50.0	47.7		ug/L		95	65 - 122
Bromodichloromethane	50.0	49.7		ug/L		99	69 - 120
Bromoform	50.0	51.4		ug/L		103	56 - 132
Bromomethane	50.0	64.4		ug/L		129	40 - 152
Carbon tetrachloride	50.0	54.2		ug/L		108	59 - 133
Chlorobenzene	50.0	49.0		ug/L		98	70 - 120
Chloroethane	50.0	57.5		ug/L		115	48 - 136
Chloroform	50.0	48.8		ug/L		98	70 - 120
Chloromethane	50.0	53.9		ug/L		108	56 - 152
cis-1,2-Dichloroethene	50.0	49.5		ug/L		99	70 - 125
cis-1,3-Dichloropropene	50.0	45.9		ug/L		92	64 - 127
Dibromochloromethane	50.0	46.7		ug/L		93	68 - 125
Dibromomethane	50.0	47.4		ug/L		95	70 - 120
Dichlorodifluoromethane	50.0	54.2		ug/L		108	40 - 159
Ethylbenzene	50.0	50.0		ug/L		100	70 - 123
Hexachlorobutadiene	50.0	52.6		ug/L		105	51 - 150
Isopropylbenzene	50.0	51.1		ug/L		102	70 - 126
Methyl tert-butyl ether	50.0	42.2		ug/L		84	55 - 123
Methylene Chloride	50.0	49.0		ug/L		98	69 - 125
Naphthalene	50.0	45.3		ug/L		91	53 - 144
n-Butylbenzene	50.0	49.2		ug/L		98	68 - 125
N-Propylbenzene	50.0	47.6		ug/L		95	69 - 127
p-Isopropyltoluene	50.0	48.4		ug/L		97	70 - 125
sec-Butylbenzene	50.0	50.2		ug/L		100	70 - 123
Styrene	50.0	48.3		ug/L		97	70 - 120
tert-Butylbenzene	50.0	48.2		ug/L		96	70 - 121
Tetrachloroethene	50.0	53.4		ug/L		107	70 - 128
Toluene	50.0	47.5		ug/L		95	70 - 125
trans-1,2-Dichloroethene	50.0	49.7		ug/L		99	70 - 125
trans-1,3-Dichloropropene	50.0	43.2		ug/L		86	62 - 128
Trichloroethene	50.0	50.1		ug/L		100	70 - 125
Trichlorofluoromethane	50.0	56.7		ug/L		113	55 - 128
Vinyl chloride	50.0	51.5		ug/L		103	64 - 126
Xylenes, Total	100	95.4		ug/L		95	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		75 - 126
4-Bromofluorobenzene (Surr)	95		72 - 124
Dibromofluoromethane (Surr)	106		75 - 120
Toluene-d8 (Surr)	98		75 - 120

Lab Sample ID: 500-191815-11 MS

Matrix: Water

Analysis Batch: 575764

Client Sample ID: MW-5S (Dup)

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	<0.46		50.0	53.7		ug/L		107	70 - 125

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-191815-11 MS

Client Sample ID: MW-5S (Dup)

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 575764

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	<0.38		50.0	53.1		ug/L		106	70 - 125
1,1,1,2-Tetrachloroethane	<0.40		50.0	50.3		ug/L		101	62 - 140
1,1,2-Trichloroethane	<0.35		50.0	46.6		ug/L		93	71 - 130
1,1-Dichloroethane	<0.41		50.0	55.1		ug/L		110	70 - 125
1,1-Dichloroethene	<0.39		50.0	50.6		ug/L		101	67 - 122
1,1-Dichloropropene	<0.30		50.0	51.2		ug/L		102	70 - 121
1,2,3-Trichlorobenzene	<0.46		50.0	51.3		ug/L		103	51 - 145
1,2,3-Trichloropropane	<0.41		50.0	49.2		ug/L		98	50 - 133
1,2,4-Trichlorobenzene	<0.34		50.0	49.3		ug/L		99	57 - 137
1,2,4-Trimethylbenzene	<0.36		50.0	49.5		ug/L		99	70 - 123
1,2-Dibromo-3-Chloropropane	<2.0		50.0	52.2		ug/L		104	56 - 123
1,2-Dibromoethane	<0.39		50.0	51.6		ug/L		103	70 - 125
1,2-Dichlorobenzene	<0.33		50.0	51.2		ug/L		102	70 - 125
1,2-Dichloroethane	<0.39		50.0	55.5		ug/L		111	68 - 127
1,2-Dichloropropane	<0.43		50.0	54.7		ug/L		109	67 - 130
1,3,5-Trimethylbenzene	<0.25		50.0	49.5		ug/L		99	70 - 123
1,3-Dichlorobenzene	<0.40		50.0	49.2		ug/L		98	70 - 125
1,3-Dichloropropane	<0.36		50.0	49.4		ug/L		99	62 - 136
1,4-Dichlorobenzene	<0.36		50.0	49.2		ug/L		98	70 - 120
2,2-Dichloropropane	<0.44		50.0	46.9		ug/L		94	58 - 139
2-Chlorotoluene	<0.31		50.0	49.1		ug/L		98	70 - 125
4-Chlorotoluene	<0.35		50.0	47.4		ug/L		95	68 - 124
Benzene	<0.15		50.0	53.3		ug/L		107	70 - 120
Bromobenzene	<0.36		50.0	50.7		ug/L		101	70 - 122
Bromochloromethane	<0.43		50.0	54.8		ug/L		110	65 - 122
Bromodichloromethane	<0.37		50.0	53.5		ug/L		107	69 - 120
Bromoform	<0.48		50.0	56.8		ug/L		114	56 - 132
Bromomethane	<0.80		50.0	63.9		ug/L		128	40 - 152
Carbon tetrachloride	<0.38		50.0	52.6		ug/L		105	59 - 133
Chlorobenzene	<0.39		50.0	51.1		ug/L		102	70 - 120
Chloroethane	<0.51		50.0	50.9		ug/L		102	48 - 136
Chloroform	<0.37		50.0	53.9		ug/L		108	70 - 120
Chloromethane	<0.32		50.0	47.9		ug/L		96	56 - 152
cis-1,2-Dichloroethene	<0.41		50.0	54.2		ug/L		108	70 - 125
cis-1,3-Dichloropropene	<0.42		50.0	49.4		ug/L		99	64 - 127
Dibromochloromethane	<0.49		50.0	52.6		ug/L		105	68 - 125
Dibromomethane	<0.27		50.0	54.2		ug/L		108	70 - 120
Dichlorodifluoromethane	<0.67		50.0	40.3		ug/L		81	40 - 159
Ethylbenzene	<0.18		50.0	50.0		ug/L		100	70 - 123
Hexachlorobutadiene	<0.45		50.0	52.5		ug/L		105	51 - 150
Isopropylbenzene	<0.39		50.0	49.8		ug/L		100	70 - 126
Methyl tert-butyl ether	<0.39		50.0	47.3		ug/L		95	55 - 123
Methylene Chloride	<1.6		50.0	55.6		ug/L		111	69 - 125
Naphthalene	<0.34		50.0	49.7		ug/L		99	53 - 144
n-Butylbenzene	<0.39		50.0	46.3		ug/L		93	68 - 125
N-Propylbenzene	<0.41		50.0	46.9		ug/L		94	69 - 127
p-Isopropyltoluene	<0.36		50.0	46.2		ug/L		92	70 - 125
sec-Butylbenzene	<0.40		50.0	49.1		ug/L		98	70 - 123
Styrene	<0.39		50.0	49.9		ug/L		100	70 - 120

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-191815-11 MS

Matrix: Water

Analysis Batch: 575764

Client Sample ID: MW-5S (Dup)

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
tert-Butylbenzene	<0.40		50.0	48.5		ug/L		97	70 - 121
Tetrachloroethene	<0.37		50.0	51.1		ug/L		102	70 - 128
Toluene	<0.15		50.0	48.2		ug/L		96	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	53.6		ug/L		107	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	46.5		ug/L		93	62 - 128
Trichloroethene	<0.16		50.0	51.4		ug/L		103	70 - 125
Trichlorofluoromethane	<0.43		50.0	47.5		ug/L		95	55 - 128
Vinyl chloride	<0.20		50.0	44.1		ug/L		88	64 - 126
Xylenes, Total	<0.22		100	96.4		ug/L		96	70 - 125

Surrogate	MS %Recovery	MS Qualifier	MS Limits
1,2-Dichloroethane-d4 (Surr)	107		75 - 126
4-Bromofluorobenzene (Surr)	94		72 - 124
Dibromofluoromethane (Surr)	113		75 - 120
Toluene-d8 (Surr)	95		75 - 120

Lab Sample ID: 500-191815-11 MSD

Matrix: Water

Analysis Batch: 575764

Client Sample ID: MW-5S (Dup)

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.46		50.0	57.4		ug/L		115	70 - 125	7	20
1,1,1-Trichloroethane	<0.38		50.0	52.0		ug/L		104	70 - 125	2	20
1,1,1,2,2-Tetrachloroethane	<0.40		50.0	50.7		ug/L		101	62 - 140	1	20
1,1,2-Trichloroethane	<0.35		50.0	49.2		ug/L		98	71 - 130	6	20
1,1-Dichloroethane	<0.41		50.0	54.1		ug/L		108	70 - 125	2	20
1,1-Dichloroethene	<0.39		50.0	50.0		ug/L		100	67 - 122	1	20
1,1-Dichloropropene	<0.30		50.0	50.1		ug/L		100	70 - 121	2	20
1,2,3-Trichlorobenzene	<0.46		50.0	54.3		ug/L		109	51 - 145	6	20
1,2,3-Trichloropropane	<0.41		50.0	51.6		ug/L		103	50 - 133	5	20
1,2,4-Trichlorobenzene	<0.34		50.0	50.8		ug/L		102	57 - 137	3	20
1,2,4-Trimethylbenzene	<0.36		50.0	51.2		ug/L		102	70 - 123	3	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	52.3		ug/L		105	56 - 123	0	20
1,2-Dibromoethane	<0.39		50.0	54.4		ug/L		109	70 - 125	5	20
1,2-Dichlorobenzene	<0.33		50.0	51.6		ug/L		103	70 - 125	1	20
1,2-Dichloroethane	<0.39		50.0	54.9		ug/L		110	68 - 127	1	20
1,2-Dichloropropane	<0.43		50.0	53.5		ug/L		107	67 - 130	2	20
1,3,5-Trimethylbenzene	<0.25		50.0	50.7		ug/L		101	70 - 123	2	20
1,3-Dichlorobenzene	<0.40		50.0	51.0		ug/L		102	70 - 125	4	20
1,3-Dichloropropane	<0.36		50.0	50.7		ug/L		101	62 - 136	3	20
1,4-Dichlorobenzene	<0.36		50.0	50.0		ug/L		100	70 - 120	2	20
2,2-Dichloropropane	<0.44		50.0	46.9		ug/L		94	58 - 139	0	20
2-Chlorotoluene	<0.31		50.0	50.0		ug/L		100	70 - 125	2	20
4-Chlorotoluene	<0.35		50.0	49.0		ug/L		98	68 - 124	3	20
Benzene	<0.15		50.0	53.0		ug/L		106	70 - 120	1	20
Bromobenzene	<0.36		50.0	51.7		ug/L		103	70 - 122	2	20
Bromochloromethane	<0.43		50.0	54.8		ug/L		110	65 - 122	0	20
Bromodichloromethane	<0.37		50.0	53.6		ug/L		107	69 - 120	0	20

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 500-191815-11 MSD
Matrix: Water
Analysis Batch: 575764

Client Sample ID: MW-5S (Dup)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	<0.48		50.0	59.7		ug/L		119	56 - 132	5	20
Bromomethane	<0.80		50.0	65.1		ug/L		130	40 - 152	2	20
Carbon tetrachloride	<0.38		50.0	54.0		ug/L		108	59 - 133	3	20
Chlorobenzene	<0.39		50.0	52.6		ug/L		105	70 - 120	3	20
Chloroethane	<0.51		50.0	53.6		ug/L		107	48 - 136	5	20
Chloroform	<0.37		50.0	52.2		ug/L		104	70 - 120	3	20
Chloromethane	<0.32		50.0	49.5		ug/L		99	56 - 152	3	20
cis-1,2-Dichloroethene	<0.41		50.0	53.6		ug/L		107	70 - 125	1	20
cis-1,3-Dichloropropene	<0.42		50.0	50.6		ug/L		101	64 - 127	2	20
Dibromochloromethane	<0.49		50.0	55.0		ug/L		110	68 - 125	4	20
Dibromomethane	<0.27		50.0	53.8		ug/L		108	70 - 120	1	20
Dichlorodifluoromethane	<0.67		50.0	42.1		ug/L		84	40 - 159	4	20
Ethylbenzene	<0.18		50.0	52.5		ug/L		105	70 - 123	5	20
Hexachlorobutadiene	<0.45		50.0	54.0		ug/L		108	51 - 150	3	20
Isopropylbenzene	<0.39		50.0	51.1		ug/L		102	70 - 126	3	20
Methyl tert-butyl ether	<0.39		50.0	47.7		ug/L		95	55 - 123	1	20
Methylene Chloride	<1.6		50.0	54.5		ug/L		109	69 - 125	2	20
Naphthalene	<0.34		50.0	53.3		ug/L		107	53 - 144	7	20
n-Butylbenzene	<0.39		50.0	46.9		ug/L		94	68 - 125	1	20
N-Propylbenzene	<0.41		50.0	48.4		ug/L		97	69 - 127	3	20
p-Isopropyltoluene	<0.36		50.0	48.3		ug/L		97	70 - 125	4	20
sec-Butylbenzene	<0.40		50.0	50.3		ug/L		101	70 - 123	2	20
Styrene	<0.39		50.0	51.8		ug/L		104	70 - 120	4	20
tert-Butylbenzene	<0.40		50.0	49.1		ug/L		98	70 - 121	1	20
Tetrachloroethene	<0.37		50.0	53.0		ug/L		106	70 - 128	4	20
Toluene	<0.15		50.0	50.5		ug/L		101	70 - 125	5	20
trans-1,2-Dichloroethene	<0.35		50.0	51.3		ug/L		103	70 - 125	4	20
trans-1,3-Dichloropropene	<0.36		50.0	48.7		ug/L		97	62 - 128	5	20
Trichloroethene	<0.16		50.0	52.5		ug/L		105	70 - 125	2	20
Trichlorofluoromethane	<0.43		50.0	50.6		ug/L		101	55 - 128	6	20
Vinyl chloride	<0.20		50.0	46.3		ug/L		93	64 - 126	5	20
Xylenes, Total	<0.22		100	100		ug/L		100	70 - 125	4	20

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
1,2-Dichloroethane-d4 (Surr)	103		75 - 126
4-Bromofluorobenzene (Surr)	93		72 - 124
Dibromofluoromethane (Surr)	110		75 - 120
Toluene-d8 (Surr)	97		75 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-575080/1-A
Matrix: Water
Analysis Batch: 575190

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 575080

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	<0.24		1.6	0.24	ug/L		12/03/20 07:21	12/03/20 14:24	1
2-Methylnaphthalene	<0.052		1.6	0.052	ug/L		12/03/20 07:21	12/03/20 14:24	1
Acenaphthene	<0.25		0.80	0.25	ug/L		12/03/20 07:21	12/03/20 14:24	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-575080/1-A
Matrix: Water
Analysis Batch: 575190

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 575080

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthylene	<0.21		0.80	0.21	ug/L		12/03/20 07:21	12/03/20 14:24	1
Anthracene	<0.27		0.80	0.27	ug/L		12/03/20 07:21	12/03/20 14:24	1
Benzo[a]anthracene	<0.045		0.16	0.045	ug/L		12/03/20 07:21	12/03/20 14:24	1
Benzo[a]pyrene	<0.079		0.16	0.079	ug/L		12/03/20 07:21	12/03/20 14:24	1
Benzo[b]fluoranthene	<0.065		0.16	0.065	ug/L		12/03/20 07:21	12/03/20 14:24	1
Benzo[g,h,i]perylene	<0.30		0.80	0.30	ug/L		12/03/20 07:21	12/03/20 14:24	1
Benzo[k]fluoranthene	<0.051		0.16	0.051	ug/L		12/03/20 07:21	12/03/20 14:24	1
Chrysene	<0.055		0.16	0.055	ug/L		12/03/20 07:21	12/03/20 14:24	1
Dibenz(a,h)anthracene	<0.041		0.24	0.041	ug/L		12/03/20 07:21	12/03/20 14:24	1
Fluoranthene	<0.36		0.80	0.36	ug/L		12/03/20 07:21	12/03/20 14:24	1
Fluorene	<0.20		0.80	0.20	ug/L		12/03/20 07:21	12/03/20 14:24	1
Indeno[1,2,3-cd]pyrene	<0.060		0.16	0.060	ug/L		12/03/20 07:21	12/03/20 14:24	1
Naphthalene	<0.25		0.80	0.25	ug/L		12/03/20 07:21	12/03/20 14:24	1
Phenanthrene	<0.24		0.80	0.24	ug/L		12/03/20 07:21	12/03/20 14:24	1
Pyrene	<0.34		0.80	0.34	ug/L		12/03/20 07:21	12/03/20 14:24	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	70		34 - 110	12/03/20 07:21	12/03/20 14:24	1
Nitrobenzene-d5 (Surr)	82		36 - 120	12/03/20 07:21	12/03/20 14:24	1
Terphenyl-d14 (Surr)	105		40 - 145	12/03/20 07:21	12/03/20 14:24	1

Lab Sample ID: LCS 500-575080/2-A
Matrix: Water
Analysis Batch: 575190

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 575080

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2-Methylnaphthalene	40.0	26.8		ug/L		67	34 - 110
Acenaphthene	40.0	28.1		ug/L		70	46 - 110
Acenaphthylene	40.0	28.0		ug/L		70	47 - 113
Anthracene	40.0	30.9		ug/L		77	67 - 118
Benzo[a]anthracene	40.0	30.5		ug/L		76	70 - 126
Benzo[a]pyrene	40.0	33.3		ug/L		83	70 - 135
Benzo[b]fluoranthene	40.0	32.8		ug/L		82	69 - 136
Benzo[g,h,i]perylene	40.0	34.8		ug/L		87	70 - 135
Benzo[k]fluoranthene	40.0	31.9		ug/L		80	70 - 133
Chrysene	40.0	30.2		ug/L		76	68 - 129
Dibenz(a,h)anthracene	40.0	35.3		ug/L		88	70 - 134
Fluoranthene	40.0	33.1		ug/L		83	68 - 126
Fluorene	40.0	29.6		ug/L		74	53 - 120
Indeno[1,2,3-cd]pyrene	40.0	35.4		ug/L		89	65 - 133
Naphthalene	40.0	26.0		ug/L		65	36 - 110
Phenanthrene	40.0	30.0		ug/L		75	65 - 120
Pyrene	40.0	30.8		ug/L		77	70 - 126

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	36		34 - 110
Nitrobenzene-d5 (Surr)	34	S1-	36 - 120

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-575080/2-A
Matrix: Water
Analysis Batch: 575190

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 575080

<i>Surrogate</i>	<i>LCS</i> <i>%Recovery</i>	<i>LCS</i> <i>Qualifier</i>	<i>Limits</i>
<i>Terphenyl-d14 (Surr)</i>	42		40 - 145

Lab Sample ID: LCSD 500-575080/3-A
Matrix: Water
Analysis Batch: 575190

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 575080

<i>Analyte</i>	<i>Spike</i> <i>Added</i>	<i>LCSD</i> <i>Result</i>	<i>LCSD</i> <i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec.</i> <i>Limits</i>	<i>RPD</i>	<i>RPD</i> <i>Limit</i>
1-Methylnaphthalene	40.0	19.7	*1	ug/L		49	38 - 110	32	20
2-Methylnaphthalene	40.0	19.1	*1	ug/L		48	34 - 110	34	20
Acenaphthene	40.0	22.6	*1	ug/L		56	46 - 110	22	20
Acenaphthylene	40.0	24.0		ug/L		60	47 - 113	15	20
Anthracene	40.0	36.6		ug/L		92	67 - 118	17	20
Benzo[a]anthracene	40.0	37.1		ug/L		93	70 - 126	20	20
Benzo[a]pyrene	40.0	41.0	*1	ug/L		102	70 - 135	21	20
Benzo[b]fluoranthene	40.0	38.8		ug/L		97	69 - 136	17	20
Benzo[g,h,i]perylene	40.0	41.9		ug/L		105	70 - 135	18	20
Benzo[k]fluoranthene	40.0	41.1	*1	ug/L		103	70 - 133	25	20
Chrysene	40.0	36.8		ug/L		92	68 - 129	20	20
Dibenz(a,h)anthracene	40.0	43.4	*1	ug/L		109	70 - 134	21	20
Fluoranthene	40.0	40.3		ug/L		101	68 - 126	20	20
Fluorene	40.0	27.7		ug/L		69	53 - 120	7	20
Indeno[1,2,3-cd]pyrene	40.0	43.4		ug/L		109	65 - 133	20	20
Naphthalene	40.0	19.8	*1	ug/L		49	36 - 110	27	20
Phenanthrene	40.0	34.6		ug/L		86	65 - 120	14	20
Pyrene	40.0	36.1		ug/L		90	70 - 126	16	20

<i>Surrogate</i>	<i>LCSD</i> <i>%Recovery</i>	<i>LCSD</i> <i>Qualifier</i>	<i>Limits</i>
<i>2-Fluorobiphenyl (Surr)</i>	77		34 - 110
<i>Nitrobenzene-d5 (Surr)</i>	86		36 - 120
<i>Terphenyl-d14 (Surr)</i>	97		40 - 145

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

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Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
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QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

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Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-575039/1-A
Matrix: Water
Analysis Batch: 575355

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 575039

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.73		2.5	0.73	ug/L		12/02/20 17:53	12/03/20 15:41	1
Cadmium	<0.17		0.50	0.17	ug/L		12/02/20 17:53	12/03/20 15:41	1
Chromium	<1.1		5.0	1.1	ug/L		12/02/20 17:53	12/03/20 15:41	1
Lead	<0.19		0.50	0.19	ug/L		12/02/20 17:53	12/03/20 15:41	1
Selenium	<0.98		2.5	0.98	ug/L		12/02/20 17:53	12/03/20 15:41	1
Silver	<0.12		0.50	0.12	ug/L		12/02/20 17:53	12/03/20 15:41	1

Lab Sample ID: MB 500-575039/1-A
Matrix: Water
Analysis Batch: 575595

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 575039

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.23		1.0	0.23	ug/L		12/02/20 17:53	12/04/20 10:15	1

Eurofins TestAmerica, Chicago

QC Sample Results

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 500-575039/2-A
Matrix: Water
Analysis Batch: 575355

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 575039

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	500	476		ug/L		95	80 - 120
Cadmium	50.0	46.8		ug/L		94	80 - 120
Chromium	200	211		ug/L		105	80 - 120
Lead	100	105		ug/L		105	80 - 120
Selenium	100	99.2		ug/L		99	80 - 120
Silver	50.0	45.8		ug/L		92	80 - 120

Lab Sample ID: LCS 500-575039/2-A
Matrix: Water
Analysis Batch: 575595

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 575039

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	100	92.3		ug/L		92	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-575129/12-A
Matrix: Water
Analysis Batch: 575357

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 575129

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.098		0.20	0.098	ug/L		12/03/20 09:10	12/04/20 07:04	1

Lab Sample ID: LCS 500-575129/13-A
Matrix: Water
Analysis Batch: 575357

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 575129

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.00	1.89		ug/L		95	80 - 120

Lab Sample ID: 500-191815-6 MS
Matrix: Water
Analysis Batch: 575357

Client Sample ID: MW-5S
Prep Type: Dissolved
Prep Batch: 575129

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.098		1.00	1.07		ug/L		107	75 - 125

Lab Sample ID: 500-191815-6 MSD
Matrix: Water
Analysis Batch: 575357

Client Sample ID: MW-5S
Prep Type: Dissolved
Prep Batch: 575129

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limit	RPD	RPD Limit
Mercury	<0.098		1.00	1.06		ug/L		106	75 - 125	1	20

Lab Sample ID: 500-191815-6 DU
Matrix: Water
Analysis Batch: 575357

Client Sample ID: MW-5S
Prep Type: Dissolved
Prep Batch: 575129

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	<0.098			<0.098		ug/L		NC	20

Eurofins TestAmerica, Chicago

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-8

Lab Sample ID: 500-191815-1

Date Collected: 11/30/20 10:55

Matrix: Water

Date Received: 12/02/20 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	575764	12/08/20 15:21	PMF	TAL CHI
Total/NA	Prep	3510C			575080	12/03/20 07:21	CLL	TAL CHI
Total/NA	Analysis	8270D		1	575190	12/03/20 16:09	AJD	TAL CHI
Total/NA	Prep	3535			519498	12/07/20 21:45	KSA	TAL DEN
Total/NA	Analysis	8330A		1	519699	12/09/20 00:25	JZ	TAL DEN
Total/NA	Analysis	6860		1	519621	12/08/20 15:11	NK	TAL DEN
Dissolved	Prep	3005A			575039	12/02/20 17:53	BDE	TAL CHI
Dissolved	Analysis	6020A		1	575355	12/03/20 16:47	FXG	TAL CHI
Dissolved	Prep	3005A			575039	12/02/20 17:53	BDE	TAL CHI
Dissolved	Analysis	6020A		1	575595	12/04/20 11:03	FXG	TAL CHI
Dissolved	Prep	7470A			575129	12/03/20 09:10	MJG	TAL CHI
Dissolved	Analysis	7470A		1	575357	12/04/20 07:08	MJG	TAL CHI

Client Sample ID: MW-3

Lab Sample ID: 500-191815-2

Date Collected: 11/30/20 11:45

Matrix: Water

Date Received: 12/02/20 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	575764	12/08/20 15:48	PMF	TAL CHI
Total/NA	Prep	3510C			575080	12/03/20 07:21	CLL	TAL CHI
Total/NA	Analysis	8270D		1	575190	12/03/20 16:36	AJD	TAL CHI
Total/NA	Prep	3535			519498	12/07/20 21:45	KSA	TAL DEN
Total/NA	Analysis	8330A		1	519699	12/09/20 00:48	JZ	TAL DEN
Total/NA	Prep	3535			519498	12/07/20 21:45	KSA	TAL DEN
Total/NA	Analysis	8330A		1	519844	12/10/20 03:17	JZ	TAL DEN
Total/NA	Analysis	6860		1	519621	12/08/20 15:26	NK	TAL DEN
Dissolved	Prep	3005A			575039	12/02/20 17:53	BDE	TAL CHI
Dissolved	Analysis	6020A		1	575355	12/03/20 16:50	FXG	TAL CHI
Dissolved	Prep	3005A			575039	12/02/20 17:53	BDE	TAL CHI
Dissolved	Analysis	6020A		1	575595	12/04/20 11:07	FXG	TAL CHI
Dissolved	Prep	7470A			575129	12/03/20 09:10	MJG	TAL CHI
Dissolved	Analysis	7470A		1	575357	12/04/20 07:10	MJG	TAL CHI

Client Sample ID: MW-2

Lab Sample ID: 500-191815-3

Date Collected: 11/30/20 12:15

Matrix: Water

Date Received: 12/02/20 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	575764	12/08/20 16:14	PMF	TAL CHI
Total/NA	Prep	3510C			575080	12/03/20 07:21	CLL	TAL CHI
Total/NA	Analysis	8270D		1	575190	12/03/20 17:02	AJD	TAL CHI
Total/NA	Prep	3535			519498	12/07/20 21:45	KSA	TAL DEN
Total/NA	Analysis	8330A		1	519699	12/09/20 01:11	JZ	TAL DEN
Total/NA	Analysis	6860		1	519621	12/08/20 15:31	NK	TAL DEN

Eurofins TestAmerica, Chicago

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-2

Date Collected: 11/30/20 12:15

Date Received: 12/02/20 10:55

Lab Sample ID: 500-191815-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			575039	12/02/20 17:53	BDE	TAL CHI
Dissolved	Analysis	6020A		1	575355	12/03/20 16:54	FXG	TAL CHI
Dissolved	Prep	3005A			575039	12/02/20 17:53	BDE	TAL CHI
Dissolved	Analysis	6020A		1	575595	12/04/20 11:10	FXG	TAL CHI
Dissolved	Prep	7470A			575129	12/03/20 09:10	MJG	TAL CHI
Dissolved	Analysis	7470A		1	575357	12/04/20 07:12	MJG	TAL CHI

Client Sample ID: MW-1

Date Collected: 11/30/20 12:45

Date Received: 12/02/20 10:55

Lab Sample ID: 500-191815-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	575764	12/08/20 16:41	PMF	TAL CHI
Total/NA	Prep	3510C			575080	12/03/20 07:21	CLL	TAL CHI
Total/NA	Analysis	8270D		1	575190	12/03/20 17:28	AJD	TAL CHI
Total/NA	Prep	3535			519498	12/07/20 21:45	KSA	TAL DEN
Total/NA	Analysis	8330A		1	519699	12/09/20 01:34	JZ	TAL DEN
Total/NA	Analysis	6860		1	520504	12/16/20 15:52	NK	TAL DEN
Dissolved	Prep	3005A			575039	12/02/20 17:53	BDE	TAL CHI
Dissolved	Analysis	6020A		1	575355	12/03/20 17:04	FXG	TAL CHI
Dissolved	Prep	3005A			575039	12/02/20 17:53	BDE	TAL CHI
Dissolved	Analysis	6020A		1	575595	12/04/20 11:14	FXG	TAL CHI
Dissolved	Prep	7470A			575129	12/03/20 09:10	MJG	TAL CHI
Dissolved	Analysis	7470A		1	575357	12/04/20 07:14	MJG	TAL CHI

Client Sample ID: MW-4S

Date Collected: 11/30/20 14:15

Date Received: 12/02/20 10:55

Lab Sample ID: 500-191815-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	575764	12/08/20 17:07	PMF	TAL CHI
Total/NA	Prep	3510C			575080	12/03/20 07:21	CLL	TAL CHI
Total/NA	Analysis	8270D		1	575190	12/03/20 17:55	AJD	TAL CHI
Total/NA	Prep	3535			519498	12/07/20 21:45	KSA	TAL DEN
Total/NA	Analysis	8330A		1	519699	12/09/20 01:57	JZ	TAL DEN
Total/NA	Prep	3535			519498	12/07/20 21:45	KSA	TAL DEN
Total/NA	Analysis	8330A		1	519844	12/10/20 03:52	JZ	TAL DEN
Dissolved	Prep	3005A			575039	12/02/20 17:53	BDE	TAL CHI
Dissolved	Analysis	6020A		1	575355	12/03/20 17:08	FXG	TAL CHI
Dissolved	Prep	3005A			575039	12/02/20 17:53	BDE	TAL CHI
Dissolved	Analysis	6020A		1	575595	12/04/20 11:17	FXG	TAL CHI
Dissolved	Prep	7470A			575129	12/03/20 09:10	MJG	TAL CHI
Dissolved	Analysis	7470A		1	575357	12/04/20 07:17	MJG	TAL CHI

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
 Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-5S

Lab Sample ID: 500-191815-6

Date Collected: 11/30/20 13:45

Matrix: Water

Date Received: 12/02/20 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	575764	12/08/20 17:34	PMF	TAL CHI
Total/NA	Prep	3510C			575080	12/03/20 07:21	CLL	TAL CHI
Total/NA	Analysis	8270D		1	575190	12/03/20 20:58	AJD	TAL CHI
Total/NA	Prep	3535			519498	12/07/20 21:45	KSA	TAL DEN
Total/NA	Analysis	8330A		1	519699	12/09/20 02:20	JZ	TAL DEN
Total/NA	Prep	3535			519498	12/07/20 21:45	KSA	TAL DEN
Total/NA	Analysis	8330A		1	519844	12/10/20 04:27	JZ	TAL DEN
Dissolved	Prep	3005A			575039	12/02/20 17:53	BDE	TAL CHI
Dissolved	Analysis	6020A		1	575355	12/03/20 17:11	FXG	TAL CHI
Dissolved	Prep	3005A			575039	12/02/20 17:53	BDE	TAL CHI
Dissolved	Analysis	6020A		1	575595	12/04/20 11:20	FXG	TAL CHI
Dissolved	Prep	7470A			575129	12/03/20 09:10	MJG	TAL CHI
Dissolved	Analysis	7470A		1	575357	12/04/20 07:19	MJG	TAL CHI

Client Sample ID: MW-6S

Lab Sample ID: 500-191815-7

Date Collected: 11/30/20 13:15

Matrix: Water

Date Received: 12/02/20 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	575764	12/08/20 18:01	PMF	TAL CHI
Total/NA	Prep	3510C			575080	12/03/20 07:21	CLL	TAL CHI
Total/NA	Analysis	8270D		1	575190	12/03/20 21:24	AJD	TAL CHI
Total/NA	Prep	3535			519498	12/07/20 21:45	KSA	TAL DEN
Total/NA	Analysis	8330A		1	519699	12/09/20 02:43	JZ	TAL DEN
Total/NA	Prep	3535			519498	12/07/20 21:45	KSA	TAL DEN
Total/NA	Analysis	8330A		1	519844	12/10/20 05:02	JZ	TAL DEN
Dissolved	Prep	3005A			575039	12/02/20 17:53	BDE	TAL CHI
Dissolved	Analysis	6020A		1	575355	12/03/20 17:15	FXG	TAL CHI
Dissolved	Prep	3005A			575039	12/02/20 17:53	BDE	TAL CHI
Dissolved	Analysis	6020A		1	575595	12/04/20 11:24	FXG	TAL CHI
Dissolved	Prep	7470A			575129	12/03/20 09:10	MJG	TAL CHI
Dissolved	Analysis	7470A		1	575357	12/04/20 07:40	MJG	TAL CHI

Client Sample ID: BD#1

Lab Sample ID: 500-191815-8

Date Collected: 11/30/20 10:00

Matrix: Water

Date Received: 12/02/20 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	575764	12/08/20 18:28	PMF	TAL CHI
Total/NA	Prep	3510C			575080	12/03/20 07:21	CLL	TAL CHI
Total/NA	Analysis	8270D		1	575190	12/03/20 21:50	AJD	TAL CHI
Total/NA	Prep	3535			519498	12/07/20 21:45	KSA	TAL DEN
Total/NA	Analysis	8330A		1	519699	12/09/20 03:06	JZ	TAL DEN
Total Recoverable	Prep	3005A			575039	12/02/20 17:53	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	575355	12/03/20 17:18	FXG	TAL CHI

Eurofins TestAmerica, Chicago

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: BD#1

Lab Sample ID: 500-191815-8

Date Collected: 11/30/20 10:00

Matrix: Water

Date Received: 12/02/20 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			575039	12/02/20 17:53	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	575595	12/04/20 11:34	FXG	TAL CHI
Total/NA	Prep	7470A			575129	12/03/20 09:10	MJG	TAL CHI
Total/NA	Analysis	7470A		1	575357	12/04/20 07:42	MJG	TAL CHI

Client Sample ID: BD#2

Lab Sample ID: 500-191815-9

Date Collected: 11/30/20 10:45

Matrix: Water

Date Received: 12/02/20 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	575764	12/08/20 18:53	PMF	TAL CHI
Total/NA	Prep	3510C			575080	12/03/20 07:21	CLL	TAL CHI
Total/NA	Analysis	8270D		1	575190	12/03/20 22:16	AJD	TAL CHI
Total/NA	Prep	3535			519498	12/07/20 21:45	KSA	TAL DEN
Total/NA	Analysis	8330A		1	519699	12/09/20 03:52	JZ	TAL DEN
Total/NA	Prep	3535			519498	12/07/20 21:45	KSA	TAL DEN
Total/NA	Analysis	8330A		1	519844	12/10/20 05:37	JZ	TAL DEN
Total Recoverable	Prep	3005A			575039	12/02/20 17:53	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	575355	12/03/20 17:22	FXG	TAL CHI
Total Recoverable	Prep	3005A			575039	12/02/20 17:53	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	575595	12/04/20 11:38	FXG	TAL CHI
Total/NA	Prep	7470A			575129	12/03/20 09:10	MJG	TAL CHI
Total/NA	Analysis	7470A		1	575357	12/04/20 07:44	MJG	TAL CHI

Client Sample ID: BD#10

Lab Sample ID: 500-191815-10

Date Collected: 11/30/20 11:15

Matrix: Water

Date Received: 12/02/20 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	575764	12/08/20 19:20	PMF	TAL CHI
Total/NA	Prep	3510C			575080	12/03/20 07:21	CLL	TAL CHI
Total/NA	Analysis	8270D		1	575190	12/03/20 22:42	AJD	TAL CHI
Total/NA	Prep	3535			519498	12/07/20 21:45	KSA	TAL DEN
Total/NA	Analysis	8330A		1	519699	12/09/20 04:15	JZ	TAL DEN
Total Recoverable	Prep	3005A			575039	12/02/20 17:53	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	575355	12/03/20 17:25	FXG	TAL CHI
Total Recoverable	Prep	3005A			575039	12/02/20 17:53	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	575595	12/04/20 11:41	FXG	TAL CHI
Total/NA	Prep	7470A			575129	12/03/20 09:10	MJG	TAL CHI
Total/NA	Analysis	7470A		1	575357	12/04/20 07:46	MJG	TAL CHI

Lab Chronicle

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Client Sample ID: MW-5S (Dup)

Lab Sample ID: 500-191815-11

Date Collected: 11/30/20 14:00

Matrix: Water

Date Received: 12/02/20 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	575764	12/08/20 19:47	PMF	TAL CHI
Total/NA	Prep	3510C			575080	12/03/20 07:21	CLL	TAL CHI
Total/NA	Analysis	8270D		1	575190	12/03/20 23:08	AJD	TAL CHI
Total/NA	Prep	3535			519498	12/07/20 21:45	KSA	TAL DEN
Total/NA	Analysis	8330A		1	519699	12/09/20 04:38	JZ	TAL DEN
Total/NA	Prep	3535			519498	12/07/20 21:45	KSA	TAL DEN
Total/NA	Analysis	8330A		1	519844	12/10/20 06:12	JZ	TAL DEN
Dissolved	Prep	3005A			575039	12/02/20 17:53	BDE	TAL CHI
Dissolved	Analysis	6020A		1	575355	12/03/20 17:28	FXG	TAL CHI
Dissolved	Prep	3005A			575039	12/02/20 17:53	BDE	TAL CHI
Dissolved	Analysis	6020A		1	575595	12/04/20 11:45	FXG	TAL CHI
Dissolved	Prep	7470A			575129	12/03/20 09:10	MJG	TAL CHI
Dissolved	Analysis	7470A		1	575357	12/04/20 07:53	MJG	TAL CHI

Client Sample ID: MW-1 (Dup)

Lab Sample ID: 500-191815-12

Date Collected: 11/30/20 12:50

Matrix: Water

Date Received: 12/02/20 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6860		1	520504	12/16/20 15:57	NK	TAL DEN

Client Sample ID: Trip Blank

Lab Sample ID: 500-191815-13

Date Collected: 11/30/20 00:00

Matrix: Water

Date Received: 12/02/20 10:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	575764	12/08/20 11:51	PMF	TAL CHI

Laboratory References:

TAL CHI = Eurofins TestAmerica, Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: Short Elliott Hendrickson, Inc. dba SEH
Project/Site: Stresau Labs

Job ID: 500-191815-1

Laboratory: Eurofins TestAmerica, Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-21

Laboratory: Eurofins TestAmerica, Denver

The accreditations/certifications listed below are applicable to this report.

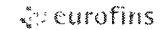
Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999615430	08-31-21

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Eurofins TestAmerica, Chicago

2417 Bond Street
University Park, IL 60454
Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record



Client Information		Sampler: MFR - RH	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-86900-39175 6																																																																
Client Contact: Mr Bruce Olson		Phone:	E-Mail: sandra.fredrick@eurofinset.com		Page: Page 6 of 6																																																																
Company: Short Elliott Hendrickson Inc. dba SEH		Analysis Requested			Job #: 500-191815																																																																
Address: 10 North Bridge Street		Due Date Requested:	<table border="1"> <tr> <td>Field Filtered Sample (Yes or No)</td> <td>8260B - VOC</td> <td>RCRA 6010C, 7471B, 8270D PAH</td> <td>TCLP RCRA 6010C, 7470A</td> <td>8260B - VOC</td> <td>8270D - PAH</td> <td>RCRA 6020A, 7470A</td> </tr> <tr> <td>Performs MS/MSD (Yes or No)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Total Number of Containers</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Preservation Codes:</td> <td colspan="6"> A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2CO3 E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Di-Jecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) </td> </tr> <tr> <td colspan="2">City: Chippewa Falls</td> <td>TAT Requested (days):</td> <td colspan="3">Special Instructions/Note:</td> </tr> <tr> <td colspan="2">State Zip: WI, 54729-3374</td> <td>PO #</td> <td colspan="3">Purchase Order not required</td> </tr> <tr> <td colspan="2">Phone: 800-4725881(Tel)</td> <td>WC #</td> <td colspan="3"></td> </tr> <tr> <td colspan="2">Email: bolson@sehinc.com</td> <td>Project #</td> <td colspan="3">50006628</td> </tr> <tr> <td colspan="2">Project Name: Stresau Labs</td> <td>SSOW#</td> <td colspan="3"></td> </tr> <tr> <td colspan="2">Site:</td> <td colspan="4"></td> </tr> </table>			Field Filtered Sample (Yes or No)	8260B - VOC	RCRA 6010C, 7471B, 8270D PAH	TCLP RCRA 6010C, 7470A	8260B - VOC	8270D - PAH	RCRA 6020A, 7470A	Performs MS/MSD (Yes or No)							Total Number of Containers							Preservation Codes:	A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2CO3 E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Di-Jecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)						City: Chippewa Falls		TAT Requested (days):	Special Instructions/Note:			State Zip: WI, 54729-3374		PO #	Purchase Order not required			Phone: 800-4725881(Tel)		WC #				Email: bolson@sehinc.com		Project #	50006628			Project Name: Stresau Labs		SSOW#				Site:					
Field Filtered Sample (Yes or No)	8260B - VOC	RCRA 6010C, 7471B, 8270D PAH				TCLP RCRA 6010C, 7470A	8260B - VOC	8270D - PAH	RCRA 6020A, 7470A																																																												
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Project Name: Stresau Labs		SSOW#																																																																			
Site:																																																																					
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, G=wastewater, ET=Tissue, Air/Air)	Field Filtered Sample (Yes or No)	8260B - VOC	RCRA 6010C, 7471B, 8270D PAH	TCLP RCRA 6010C, 7470A	8260B - VOC	8270D - PAH	RCRA 6020A, 7470A	Total Number of Containers	Special Instructions/Note:																																																							
1	MW-8	11/30/20	10:55	G	Water	X	X	X	X					Run Dissolved & Hold Totals																																																							
2	MW-3		11:45		Water																																																																
3	MW-2		12:15		Water																																																																
4	MW-1		12:45		Water																																																																
5	MW-4S		2:45		Water																																																																
6	MW-5S		1:45		Water																																																																
7	MW-6S		1:15		Water																																																																
8	BD#1		10:00		Water									Run Dissolved & Hold Totals																																																							
9	BD#2		10:45		Water																																																																
10	BD#10		11:15		Water																																																																
11	SS 12/2/20																																																																				

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Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:	
Empty Kit Relinquished by: <i>[Signature]</i>		Date: 11/30/20	Time: 10:15
Relinquished by: <i>[Signature]</i>		Date/Time: 12/1/20 10:15	Method of Shipment: <i>[Signature]</i>
Relinquished by: <i>[Signature]</i>		Date/Time: 12/2/20 10:55	Company: <i>[Signature]</i>
Relinquished by: <i>[Signature]</i>		Date/Time:	Company:
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 5.0 → 2.8, 0.9, 1.9 → 1.2	

ORIGIN ID:RRLA (262) 202-59...
MARC MAKELA
STRESAU LABS
N8265 MEDLEY RD.

DATE: 02NOV20
ACTWGT: 25.00 LB MAN
CAD: 525155/CAFE3406

SPOONER, WI 54801
UNITED STATES US

TO

TESTAMERICA CHICAGO
2417 BOND STREET



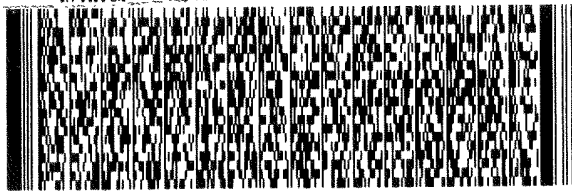
UNIVERSITY PARK IL 60484 500-191815 Wayb

(708) 634-6200
INU:
PO:

REF:

DEPT:

RMA: ||| ||| |||



FedEx
Express



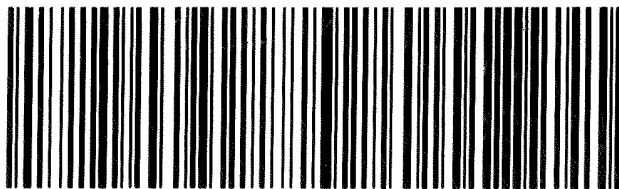
J29101011000100

FedEx
TRK# 7125 4943 5345
0221

TUE - 01 DEC 10:30A
PRIORITY OVERNIGHT

AC JOTA

60484
IL-US ORD



ORIGIN ID:RRLA (262) 202-5955
MARC MAKELA
STRESAU LABS
N8265 MEDLEY RD.

SHIP DATE: 02NOV20
ACTWGT: 25.00 LB MAN
CAD: 525155/CAFE3406

SPOONER, WI 54801
UNITED STATES US

TO

TESTAMERICA CHICAGO
2417 BOND STREET

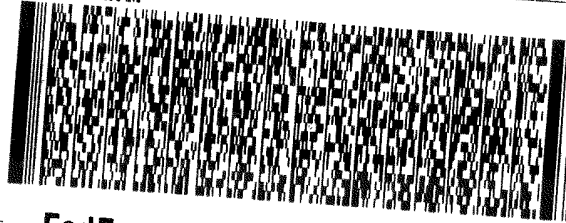
UNIVERSITY PARK IL 60484-3101

(708) 634-6200

REF:

DEPT:

RMA: ||| ||| |||



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FedEx
TRK# 7125 4943 5356
0221

TUE - 01 DEC 10:30A
PRIORITY OVERNIGHT

AC JOTA

48pt

60484
IL-US ORD



ORIGIN ID:RRLA (262) 202-5955
MARC MAKELA
STRESAU LABS
N8265 MEDLEY RD.
SPOONER, WI 54801
UNITED STATES US

SHIP DATE: 02NOV20
ACTWGT: 25.00 LB MAN
CAD: 525155/CAFE3406

TO

TESTAMERICA CHICAGO
2417 BOND STREET

UNIVERSITY PARK IL 60484-3101


(708) 634-6200

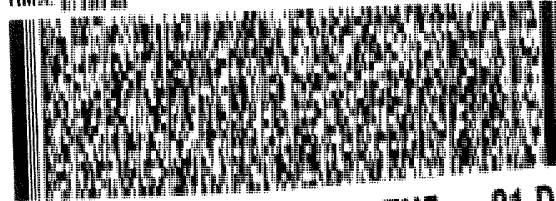
REF:

INV:

PO:

DEPT:

RMA: 



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J2010101108149

FedEx

TRK# 7125 4943 5367
0221

AC JOTA

TUE - 01 DEC 10:30A
PRIORITY OVERNIGHT

48at 60484 IT
IL-US ORD 4



#5187662 11/30 568J2/9196/8766

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Eurofins TestAmerica, Chicago

2417 Bond Street
 University Park, IL 60484
 Phone: 708-534-5200 Fax: 708-534-5211

Chain of Custody Record



Environment Testing
 America

Client Information (Sub Contract Lab)		Sampler:		Lab PM: Fredrick, Sandie		Carrier Tracking No(s):		COC No: 500-142883.2			
Client Contact: Shipping/Receiving		Phone:		E-Mail: sandra.fredrick@eurofinset.com		State of Origin: Wisconsin		Page: Page 2 of 2			
Company: TestAmerica Laboratories, Inc.				Accreditations Required (See note): State - Wisconsin; State Program - Wisconsin				Job #: 500-191815-1			
Address: 4955 Yarrow Street,		Due Date Requested: 12/15/2020		Analysis Requested						Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)	
City: Arvada		TAT Requested (days):									
State, Zip: CO, 80002		PO #:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers			
Phone: 303-736-0100(Tel) 303-431-7171(Fax)		WO #:									
Email:		Project #: 50006628		Sample (Yes or No)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Special Instructions/Note:			
Project Name: Stresau Labs		SSOW#:									
Site:											
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers	Special Instructions/Note:		
				Preservation Code:							
BD#10 (500-191815-10)		11/30/20	11:15 Central	Water	Water	X		2			
MW-5S (Dup) (500-191815-11)		11/30/20	14:00 Central	Water	Water	X		2			
MW-1 (Dup) (500-191815-12)		11/30/20	12:50 Central	Water	Water		X	1			

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out 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 TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.

Possible Hazard Identification				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
Unconfirmed				<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> 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: <i>[Signature]</i>		Date/Time: 12/2/20 1500		Company: <i>[Signature]</i>		Received by: <i>[Signature]</i>	
Relinquished by:		Date/Time:		Company:		Received by:	
Relinquished by:		Date/Time:		Company:		Received by:	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:			

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12/24/2020 (Rev. 1)



Login Sample Receipt Checklist

Client: Short Elliott Hendrickson, Inc. dba SEH

Job Number: 500-191815-1

Login Number: 191815

List Source: Eurofins TestAmerica, Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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	2.8,0.9,1.2
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.	False	
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: Short Elliott Hendrickson, Inc. dba SEH

Job Number: 500-191815-1

Login Number: 191815

List Number: 2

Creator: Petunin, Peter

List Source: Eurofins TestAmerica, Denver

List Creation: 12/03/20 09:23 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
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?	N/A	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Building a Better World for All of Us[®]

Sustainable buildings, sound infrastructure, safe transportation systems, clean water, renewable energy and a balanced environment. Building a Better World for All of Us communicates a company-wide commitment to act in the best interests of our clients and the world around us.

We're confident in our ability to balance these requirements.

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