DES Waste Management Division
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Phase II Environmental Site Assessment

Lavoie Property
Hillside Avenue
Lots 127-13, 127-14, and 127-15
Berlin, New Hampshire 03570

NHDES Site No. 200402064
Project No. 38138

Prepared For:

New Hampshire Department of Environmental Services
Brownfields Program – Hazardous Waste Remediation Bureau
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March 26, 2019
Nobis File No. 70705.00

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Ms. Melinda Bubier
New Hampshire Department of Environmental Services
Brownfields Program – Hazardous Waste Remediation Bureau
29 Hazen Drive
Concord, NH 03302-0095

Re: Phase II Environmental Site Assessment
Lavoie Property
Hillside Avenue, Lots 127-13, 127-14, and 127-15
Berlin, New Hampshire
NHDES Site No. 200402064, Project No. 38138

Dear Ms. Bubier:

Nobis Engineering, Inc. dba Nobis Group® (Nobis) is pleased to submit this Phase II Environmental Site Assessment (ESA) of the Lavoie Property, Lots 127-13, 127-14, and 127-15 ("the Site"), located in Berlin, New Hampshire.

This work will be completed as an assignment under the New Hampshire Department of Environmental Services (NHDES) *Site Investigation, Remediation Design, Implementation Oversight at Petroleum and Hazardous Waste Sites, CERLCA and Brownfields Projects* Contract with Nobis. This report is subject to the limitations in Appendix A.

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Thank you for the opportunity to be of service to you. Please do not hesitate to contact us if you have any questions.

Very truly yours,
NOBIS GROUP®

Joshua Stewart
Project Scientist

Clarence "Tim" Andrews, P.G.
Sr. Project Manager/ Associate
Director of Environmental Services

Attachments
cc: Mr. Jim Byrne, USEPA

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1.0 INTRODUCTION

Nobis Engineering, Inc. dba Nobis Group® (Nobis) completed a Phase II Environmental Site Assessment (Phase II ESA) for the former Lavoie Property (target property) located on Hillside Avenue in Berlin, New Hampshire, Lots 127-13, 127-14, and 127-15. This work was performed as described in our "Work Scope and Budget Phase II Environmental Site Assessment" dated November 28, 2017 as approved by the New Hampshire Department of Environmental Services (NHDES) on February 22, 2018, as well as subsequent Work Scope Approval #2 dated February 22, 2018. The field activities and laboratory analyses were completed in general accordance with the Field Task Work Plan and Site-Specific Quality Assurance Project Plan Addendum - Final (RFA 16002, Lavoie Property), prepared by Nobis and approved by NHDES and United States Environmental Protection Agency (USEPA) June 29, 2018 and August 7, 2018, respectively. This report is subject to the limitations in Appendix A.

1.1 Purpose

The purpose of this study was to identify and evaluate environmental impacts to soil and groundwater in the vicinity from historic junkyard operations at the property.

2.0 SITE DESCRIPTION

2.1 Target Property

The target property, located at 640 Hillside Avenue, Berlin, Coos County, New Hampshire consists of three (3) individual residential properties collective referred to as "the Site". The three properties consist of:

- a 0.85-acre lot identified as Lot 127-13 classified as vacant land by the City of Berlin;
- a 0.36-acre lot identified as Lot 127-14 classified as vacant land by the City of Berlin; and
- a 1.40-acre lot identified as Lot 127-15 containing a residential home and several shed-like structures

The approximate location of the Site is illustrated on Figure 1. Site boundaries and building configurations are illustrated on Figure 2.

2.2 Site Vicinity General Characteristics

The subject site is located within an Residential district, as defined by the City of Berlin. Properties in the vicinity of the site are serviced by either private water supply wells or public

water supply and municipal sewer system. The adjoining properties are residential in nature. Topography of the western portion of the target property is generally flat and slopes away to the east when moving eastward.

Based on site observations and review of the Berlin, New Hampshire, United States Geological Survey (USGS) Topographic Map, elevation at the site is approximately 1,380 feet above the National Geodetic Vertical Datum (NGVD) of 1929.

2.3 Site Use Summary

According to a complaint filed with NHDES on February 9, 2004 by the City of Berlin Zoning Office, the Site was operating as an unlicensed junkyard with storage of questionable containers and generally poor housekeeping. Inspection of the Site by NHDES identified the presence of multiple 55-gallon drums and other containers, lead-acid batteries, and various scrap automotive parts and metals. Reportedly, the property owner began his business practice in the late 1950s. With oversight and routine inspections by NHDES, the property owner implemented a self-performing cleanup of the staged materials over the course of several years. The complaint file for the Site was closed on January 21, 2011 citing cleanup completion. Currently, the property is held by the estate of the late owner. The property is vacant and is under consideration for tax deed taking by the City of Berlin. The City has requested performance of a Brownfields Phase II ESA to evaluate potential impacts to soil and groundwater from historic Site operations.

2.4 Previous Environmental Reports and Site Observations

No previous environmental reports have been completed for the target property. However, on November 6, 2017, NHDES and Nobis visited the Site with a representative of the City of Berlin to review current site conditions and discuss environmental assessment needs. The Site is situated in a residential area and has a house with a detached garage, a small shed, and two shed-like structures that have either partially or completely collapsed. The Site was generally overgrown with brush, but indications of historical use as a scrapyard were observed across most of the property. Site observations included the presence of multiple 275-gallon heating oil tanks, unlabeled 55-gallon steel and polyethylene drums, miscellaneous gasoline cans and smaller containers 5-gallons in volume or less, tires, tire rims, and various building materials. Minor areas of surface staining were observed in multiple locations, as well as unnatural/uneven terrain in areas indicating possible fill or excavation.

3.0 SCOPE OF SERVICES

The overall objectives of this project are to complete a Phase II ESA to determine whether historical practices at the site have impacted the soil and groundwater in the vicinity. Phase II investigations were conducted through the collection of shallow surface soil samples, test pit excavations with soil sampling, and sample analysis. Evaluation for the presence of hazardous building materials is not included in this work scope.

In support of completion of the Phase II ESA, the following tasks were performed:

Initial Site Visit and Work Scope Development

Nobis visited the site with NHDES and representatives of the City of Berlin prior to the preparation of a work scope and budget spreadsheet which was reviewed and approved by NHDES. The work scope development process also included soliciting prices from:

- a drilling subcontractor;
- an excavation subcontractor;
- a subcontracted laboratory; and
- a waste disposal subcontractor.

This task was approved using Nobis' accepted pre-approved budget per Work Scope Approval #1 issued November 28, 2017. A budget spreadsheet for the Phase II ESA was submitted, providing task line item details.

SSQAPPA Preparation

Based on the information gathered during the initial site visit, Nobis prepared and submitted to the NHDES and United States Environmental Protection Agency (USEPA) a Field Task Work Plan (FTWP) and Site-Specific Quality Assurance Project Plan Addendum (SSQAPPA), which described the quality control (QC) and quality assurance (QA) protocols and other technical procedures followed during implementation of the work to ensure that the results meet the stated performance criteria. The FTWP/SSQAPPA was based on Nobis' Generic Quality Assurance Project Plan (Generic QAPP), Revision 3 (RFA #16002) as approved by USEPA and NHDES on June 29, 2018 and refers to standard operating procedures for Nobis and Nobis' subcontractors.

HASP / Dig-Safe

Prior to conducting site work, Nobis prepared a site-specific health and safety plan for all on-site activities in accordance with Occupational Safety and Health Administration (OSHA) requirements.

Nobis visited the site on July 3, 2018 to confirm access to areas proposed for subsurface investigation and pre-marked the site to satisfy the requirements for DigSafe utility clearance.

Surface Soil Investigation

Nobis collected fifteen surface soil (0-0.5 feet below ground surface [ft bgs]) samples across the site on July 3, 2018. Sample locations were selected to provide geospatial coverage of the site and were based on visual observations at the site during the sampling event Refer to Figures 2 through 4 for sample locations.

Collected surface soil samples were screened in the field for total volatile organic compounds (VOCs) using a photoionization detector (PID). The collected samples were submitted to a State-certified laboratory (as identified in the SSQAPPA) for the following analyses:

- VOCs per EPA Method 8260B;
- polycyclic aromatic hydrocarbons (PAHs) per EPA Method 8270;
- total petroleum hydrocarbons (TPH) per EPA Method 8015 (diesel-range organics);
- polychlorinated biphenyls (PCBs) per EPA Method 8082; and
- 13 Priority Pollutant Metals.

In accordance with the SSQAPPA prepared for the site, QA/QC samples submitted for laboratory analysis included one trip blank for VOCs, and one duplicate for each analysis proposed.

Test Pit Investigations

Nobis and a test pit excavation subcontractor completed ten (10) test pits at the site on July 16, 2018. Test pit locations were selected based on the analytical results of the surface soil investigation and visual observations of the site to target areas of potential fill. Refer to Figure 2 for subsurface investigation locations.

Soil samples were collected from each test pit and were screened in the field for total volatile organic compounds (VOCs) using a photoionization detector (PID). One soil sample from each of the first five (5) test pits was selected for laboratory analysis based on PID readings and field observations. The selected samples were submitted to a State-certified laboratory (as identified in the SSQAPPA) for the following analyses:

- VOCs per EPA Method 8260B;
- PAHs per EPA Method 8270;
- TPH per EPA Method 8015 (diesel-range organics);
- PCBs per EPA Method 8082; and
- 13 Priority Pollutant Metals.

In accordance with the SSQAPPA prepared for the site, QA/QC samples submitted for laboratory analysis included one trip blank for VOCs, and one duplicate for each analysis proposed.

Additional Surface Soil Investigation

Nobis collected sixty (60) additional soil samples on September 13, 2018. The samples were collected to further define the extents of PCB and various metals identified at the site from previous surface soil and test pit soil analytical results. Samples were collected from 0-0.5 ft, 1 ft and 2 ft bgs. Refer to Figures 3 and 4 for additional surface soil investigation locations.

The collected samples were submitted to a State-certified laboratory (as identified in the SSQAPPA) for the following analyses:

- PCBs per EPA Method 8082; and/or
- 13 Priority Pollutant Metals.

In accordance with the SSQAPPA prepared for the site, QA/QC samples submitted for laboratory analysis included one duplicate for each analysis proposed.

PCBs in Concrete Investigation

Nobis collected two (2) concrete samples from a stained concrete pad below the deck on the east side of the residential structure on lot 127-15.

The collected samples were submitted to a State-certified laboratory (as identified in the SSQAPPA) for the following analyses:

- PCBs per EPA Method 8082.

In accordance with the SSQAPPA prepared for the site, QA/QC samples submitted for laboratory analysis included one duplicate.

No topographic survey effort was included in this work scope.

No IDW was containerized for off-site disposal during the performance of this Phase II ESA. All excess soil cuttings were disposed of on-site.

Phase II ESA Report Preparation

Nobis performed an assessment of soil contamination present at the site, including an assessment of subsurface stratigraphy and distribution of contaminants. The report includes a description of activities performed and provides recommendations for additional investigation activities. Laboratory data is summarized in tables and sample locations are shown on the attached figures. A discussion of QA/QC is included.

4.0 SURFACE SOIL AND CONCRETE SAMPLING

4.1 Surface Soil Investigation

Two rounds of surface soil sampling were performed by Nobis at the site on July 3, 2018 and September 13, 2018. Fifteen (15) locations were selected and sampled, with one sample collected per location during the July round. Soil sampling during the September sampling event consisted of additional samples at 5 of the 15 sample locations from the July round and eight (8) new surface soil locations to further define the extents of metals contamination at the site identified from the analytical results of the July sampling round. Soil sampling in September also included grid sampling for PCBs around three (3) of the 15 sample locations from July to further define the extents of PCB contamination identified from the analytical results of the July sampling round.

Surface soil sample locations (SS-01 through SS-15) performed in July 2018 were selected in the field based on observations of current site conditions and a desire to achieve geospatial coverage of the site. Soil samples were collected using hand tools (Shovel/Hand Augers) from 0-0.5 ft bgs. One soil sample per location was submitted for laboratory analysis. Samples were analyzed for VOCs, PAHs, TPH-DRO, PCBs, and metals.

In September 2018, additional soil samples were collected from around SS-07, SS-11, and SS-12 in 10 x 10 foot grid spacing to assess the extent of PCBs in soil at these locations. PCB results from the July round of sampling indicated PCBs were present in the soil at concentrations exceeding Env-Or 600 Soil Remediation Standards[1] (SRS) at these locations. Sampling at SS-07 and SS-12 consisted of the collection of nine surface soil samples (0-0.5 ft bgs) in 10 x 10 foot spacing and one sample collected from the original sample location at 1 ft bgs. Sampling at SS-11 consisted of

[1] New Hampshire Code of Administrative Rules, Chapter Env-Or 600, Soil Remediation Standards, Table 600-2, revised June 1, 2015.

the collection of thirteen surface soil samples (0-0.5 ft bgs) in 10 x 10 foot spacing, seven samples collected from 1 ft bgs, three samples collected from 2 ft bgs, and 2 additional samples collected from the original location at 1 and 2 ft bgs. Samples were collected using hand tools (Shovel/Hand Augers). A total of 45 soil samples and 2 duplicates (S7-5 and S7-9) were collected and submitted to the laboratory for PCBs analysis. See Figure 3 for details.

Additional soil samples collected during the September sampling round to further define the nature and extent of metals contamination at the site consisted of 8 new sample locations (M-1 through M-8, 0-0.5 ft bgs) to assess horizontal extent and additional samples collected from SS-03(1 ft bgs), SS-05(1 and 2 ft bgs), SS-06 (1 and 2 ft bgs), SS-07(1 and 2 ft bgs), SS-10(1 and 2 ft bgs), and SS-11(1 and 2 ft bgs) to assess vertical extent. Samples were collected using hand tools (Shovel/Hand Augers). A total of 19 soil samples and 2 duplicates (M-5 and M-7) were collected and submitted to the laboratory for metals analysis. See Figure 4 for details.

Nobis collected two concrete samples from the stained concrete pad under the deck on the east side of the residential structure on September 13, 2018. The concrete samples were collected by using an electric powered hammer drill with a 1-inch drill bit, in general accordance with USEPA guidelines, wetting methods were used. A total of two samples and a duplicate were submitted to the laboratory for PCB analysis.

The locations of the soil samples are shown on Figures 2 through 4.

No IDW was containerized for off-site disposal during the performance of this Phase II ESA. All excess soil was returned to the site.

Refer to section 6.0 of this report for a discussion of the site geology and hydrogeology.

4.2 Field Screening of Soil Samples

Surface soil samples were screened in the field for total concentrations of VOCs using a handheld PID equipped with a 10.6 eV lamp. The PID responds to most VOCs but does not register methane or natural components of air such as oxygen, nitrogen, or carbon dioxide. The PID has a detection limit of approximately 1 part per million by volume (ppmv), referenced to an isobutylene-in-air standard. Field screening indicated that total concentrations of VOCs in the soil samples were all less than 1 ppmv.

The results of field screening for total VOCs are summarized on Table 1, the soil screening procedures are described in Appendix C.

4.3 Soil and Concrete Analytical Results

Soil samples collected of laboratory analysis were submitted to Eastern Analytical, Inc. (EAI) of Concord, New Hampshire for laboratory analyses of VOCs per EPA Method 8260C, TPH (diesel-range organics [DRO]) per EPA Method 8015C, PAHs per EPA Method 8270D, PCBs per EPA Method 8082A, and 13 priority pollutant metals per EPA Method 6020.

The laboratory results were compared to the SRS. A summary of analytical results for surface soil and concrete samples below:

VOCs

Samples SS-01 through SS-15 were analyzed for VOCs. No VOCs were present at concentrations exceeding applicable SRS in any of the samples. Trichlorofluoromethane was present in the samples collected from SS-05 and SS-09, there is no SRS for trichlorofluoromethane. No other VOCs were present in any of the samples at concentrations above laboratory detection limits. Tabulated results are shown in Table 1.

TPH-DRO

Samples SS-01 through SS-15 were analyzed for TPH-DRO. TPH-DRO was present in all the samples at concentrations ranging from 71 mg/kg (SS-12) to 20,000 mg/kg (SS-05). Only the sample collected at SS-05 reported concentrations (20,000 mg/kg) of TPH-DRO exceeding the SRS of 10,000 mg/kg. Tabulated results are shown in Table 1.

PAHs

Samples SS-01 through SS-15 were analyzed for PAHs. Benzo[a]anthracene was present at concentrations exceeding the SRS of 1 mg/kg in the samples collected from SS-07(5.7 mg/kg), SS-11(1.2 mg/kg), and SS-15 FD(1.5 mg/kg). Benzo[a]pyrene was present at concentrations exceeding the SRS of 0.7 mg/kg in the samples collected from SS-02(1.1 mg/kg), SS-07(6.3 mg/kg), SS-11(1.2 mg/kg), and SS-15 FD(1.3 mg/kg). Benzo[b]fluoranthene was present at concentrations exceeding the SRS of 1 mg/kg in the samples collected from SS-02(2.1 mg/kg), SS-03(1.1 mg/kg), SS-07(10 mg/kg), SS-09(1.1 mg/kg), SS-11(2.5 mg/kg), SS-15(1.4 mg/kg), and SS-15 FD(1.3 mg/kg). Indeno[1,2,3-cd]pyrene was present at concentrations exceeding the SRS of 1 mg/kg in the samples collected from SS-07(5.8 mg/kg) and SS-15 FD(1.2 mg/kg). Other PAHs when detected were present at concentrations below applicable SRS. Tabulated results are shown in Table 2.

PCBs

Samples SS-01 through SS-15 and grid samples SS-07B, SS-11B, SS-11C, SS-12B, S7-1 through S7-9, S11-1 through S11-13, S12-1 through S12-9, and Concrete samples CS-1 and CS-2 were analyzed for PCBs. PCBs were present in all the collected samples at concentrations above laboratory detection limits except for the sample collected at SS-01 and the concrete samples CS-1 and CS-2, where no PCBs were present at concentrations above laboratory detection limits.

PCB-1260 was detected in 59 samples with concentrations ranging from 0.028 mg/kg to 8.7 mg/kg. PCB-1254 was detected in 45 samples with concentrations ranging from 0.036 mg/kg to 28 mg/kg. PCB-1248 was detected in 27 samples with concentrations ranging from 0.074 mg/kg to 33 mg/kg. PCB-1268 was detected in 11 samples with concentrations ranging from 0.059 mg/kg to 0.34 mg/kg.

The SRS of 1 mg/kg is established for total PCBs. Concentrations of total PCBs in 41 samples exceeded the SRS. Tabulated results are shown in Table 3 and 5.

Metals

Samples SS-01 through SS-15 and additional samples SS-03B, SS-05B, SS-05B, SS-06B, SS-06C, SS-07B, SS-07C, SS-10B, SS-10C, SS-11B, SS-11C, and M-1 through M-8 were analyzed for metals (13 Priority Pollutant). Antimony, arsenic, cadmium, lead, mercury, and/or zinc were present at concentrations exceeding their applicable SRS in two or more samples. Tabulated results are shown in Table 4.

Antimony was present at concentrations exceeding the SRS of 9 mg/kg in 10 samples with a maximum concentration of 54 mg/kg reported in the sample collected at M-3.

Arsenic was present at concentrations exceeding the SRS of 11 mg/kg in 13 samples with a maximum concentration of 43 mg/kg reported in the sample collected at SS-06B.

Cadmium was present at concentrations exceeding the SRS of 33 mg/kg in 2 samples with a maximum concentration of 78 mg/kg reported in the sample collected at M-5.

Lead was present at concentrations exceeding the SRS of 400 mg/kg in 21 samples with a maximum concentration of 4,300 mg/kg reported in the sample collected at M-3.

Mercury was present at concentrations exceeding the SRS of 7 mg/kg in 2 samples with a maximum concentration of 10 mg/kg reported in the sample collected at M-4 and SS-11C.

Zinc was present at concentrations exceeding the SRS of 1,000 mg/kg in 8 samples with a maximum concentration of 2,700 mg/kg reported in the sample collected at M-3.

The soil data are summarized in Tables 1 through 5 and a copy of the laboratory analytical reports are included in Appendix E. A discussion of QA/QC and data usability is included in Appendix D.

5.0 TEST PIT EXPLORATIONS

5.1 Test Pit Explorations and Sample Collection

Nobis performed oversight of ten (TP-01 through TP-10) test pit explorations and performed the collection of five laboratory analytical samples on July 16, 2018. The test pits were completed by Accuworx Northeast, Inc. of Pembroke, New Hampshire. Test pit explorations termination depths ranged from 3 ft bgs (TP-06 and TP-07) to 6 ft bgs (TP-1 and TP-10). All test pits were terminated at assumed bedrock, except for TP-10, which was terminated in native soil. Although the base of TP-01 was very moist, no groundwater was encountered in any of the test pits. Laboratory analytical samples collected from TP-01 through TP-05 were selected in the field based on observations and a desire to achieve geospatial coverage of the site. Soil samples were collected straight from the excavator bucket. Samples were analyzed for VOCs, PAHs, TPH-DRO, PCBs, and metals.

The locations of the soil samples are shown on Figures 2 through 4.

No IDW was containerized for off-site disposal during the performance of this Phase II ESA. All excess soil was returned to the site.

Refer to section 6.0 of this report for a discussion of the site geology and hydrogeology.

5.2 Field Screening of Soil Samples

Soils from the test pits were screened in the field for total concentrations of VOCs using a handheld PID equipped with a 10.6 eV lamp. The PID responds to most VOCs but does not register methane or natural components of air such as oxygen, nitrogen, or carbon dioxide. The PID has a detection limit of approximately 1 ppmv, referenced to an isobutylene-in-air standard. Field screening indicated that total concentrations of VOCs in the soil at all test pit locations were less than 1 ppmv.

The results of field screening for total VOCs are summarized on Table 1, the soil screening procedures are described in Appendix C.

5.3 Test Pit Soil Analytical Results

Soil samples collected of laboratory analysis were submitted to Eastern Analytical, Inc. (EAI) of Concord, New Hampshire for laboratory analyses of VOCs per EPA Method 8260C, TPH (diesel-range organics [DRO]) per EPA Method 8015C, PAHs per EPA Method 8270D, PCBs per EPA Method 8082A, and 13 priority pollutant metals per EPA Method 6020.

The laboratory results were compared to the SRS. A summary of analytical results for surface soil and concrete samples below:

VOCs

Samples TP-01 through TP-05 were analyzed for VOCs. No VOCs were present at concentrations exceeding applicable SRS in any of the samples. Trichlorofluoromethane was present in the sample collected from TP-02, there is no SRS for trichlorofluoromethane. No other VOCs were present in any of the samples at concentrations above laboratory detection limits. Tabulated results are shown in Table 1.

TPH-DRO

Samples TP-01 through TP-05 were analyzed for TPH-DRO. TPH-DRO was present in all the samples at concentrations ranging from 34 mg/kg (TP-03) to 190 mg/kg (TP-01) and did not exceed the SRS of 10,000 mg/kg. Tabulated results are shown in Table 1.

PAHs

Samples TP-01 through TP-05 were analyzed for PAHs. Benzo[a]pyrene was present at a concentration exceeding the SRS of 0.7 mg/kg in the sample collected from TP-01(1.1 mg/kg). Benzo[b]fluoranthene was present at a concentration exceeding the SRS of 1 mg/kg in the sample collected from TP-01(1.7 mg/kg). Other PAHs when detected were present at concentrations below applicable SRS. Tabulated results are shown in Table 2.

PCBs

Samples TP-01 through TP-05 were analyzed for PCBs. PCBs were present in the samples collected at TP-01, TP-02, and TP-05. No PCBs were present at concentrations above laboratory detection limits in the samples collected at TP-03 and TP-04.

PCB-1260 was detected in 4 samples with concentrations ranging from 0.032 mg/kg to 4.7 mg/kg. PCB-1254 was detected in 4 samples with concentrations ranging from 0.021 mg/kg to 7.4 mg/kg. PCB-1248 was detected in 1 sample (TP-02) with a concentration of 0.64 mg/kg.

The SRS of 1 mg/kg is established for total PCBs. Concentrations of total PCBs in the sample collected from TP-01 (12.1 mg/kg) exceeded the SRS. Tabulated results are shown in Table 3.

Metals

Samples TP-01 through TP-5 were analyzed for metals (13 Priority Pollutant). Antimony was present at a concentration exceeding the SRS of 9 mg/kg in the sample collected from TP-01 (33 mg/kg). Arsenic was present at a concentration exceeding the SRS of 11 mg/kg in the sample collected from TP-01 (21 mg/kg). Lead was present at a concentration exceeding the SRS of 400 mg/kg in the sample collected from TP-05 FD (870 mg/kg). Zinc was present at a concentration exceeding the SRS of 1,000 mg/kg in the sample collected from TP-01 (3,100 mg/kg). Tabulated results are shown in Table 4.

The soil data are summarized in Tables 1 through 4 and a copy of the laboratory analytical reports are included in Appendix E. A discussion of QA/QC and data usability is included in Appendix D.

6.0 SITE GEOLOGY AND HYDROGEOLOGY

6.1 Site Geology

Overburden soils encountered during test pit explorations were visually classified in the field in accordance with the Modified Burmister soil classification system. The soils encountered generally consisted of:

- Loose sand and silt with varying amounts of gravel and pieces of metal, electronics, tires as reworked topsoil fill.
- Loose to very dense sand with varying amounts of silt and gravel.
- Bedrock was encountered at depths ranging from approximately 3 to 6 feet bgs.

Solid waste fill materials were observed at boring locations TP-01 (metal scrap, electronics, plastics, and tires), TP-02 (metal scrap, electronics, and plastics), TP-05 (metal scrap and debris), and TP-08 (gray ash).

6.2 Site Hydrogeology

Nobis did not observe groundwater at the site during any of the completed investigation activities. Assumed shallow bedrock was present across the site. Nobis observed a potential wet area along the north end of Lot-127-13, near TP-01. This potential wetland is likely fed from bedrock groundwater seeps from the slope to the west of this location. Groundwater flow at the site is inferred to flow to the southeast toward the Androscoggin River, based on local topography and the location of the river.

7.0 CONCEPTUAL MODEL

Based on the results of this investigation, Nobis has developed conceptual models to identify the nature and extent of soil contamination and groundwater contamination in the site study area. Analytical results were compared to applicable regulatory standards and risk-based standards set forth in the Risk Characterization and Management Policy (RCMP)[2].

7.1 Soil Contamination Model

Nobis compared soil analytical results from the samples collected during the Phase II ESA activities (documented above) to NHDES SRS. TPH-DRO, PAHs, PCBs, and metals were found to be present at the site at concentrations exceeding applicable SRS. The majority of the samples containing concentrations of the above listed contaminants exceeding applicable SRS were collected from surface soil (0-1 ft bgs) and would classify these soils as RCMP Category S-1.

7.1.1 TPH-DRO

TPH-DRO concentrations in the sample collected at SS-05 exceeded SRS. Nobis observed steel drums in poor condition, a pile of debris, and stained soil in the vicinity of the sample location. Observed TPH-DRO concentrations at SS-05 are likely from a release or releases to the soil as evidenced by the stained soil, the likely source are the observed steel drums in poor condition.

7.1.2 PAHs

PAHs were present in several samples collected at the site at concentrations exceeding applicable SRS. The source of PAH contamination at the site can likely be attributed to historical uses at the property, additionally, some ash material was observed in TP-08. PAHs are not considered to be

[2] "Risk Characterization and Management Policy" prepared by the New Hampshire Department of Environmental Services, dated January 15, 1998 (updates to Method 1 Standards, September 2018).

a primary contaminant at the site as all locations of PAH contamination are also impacted by metals (primarily lead) at concentrations exceeding SRS.

7.1.3 PCBs

PCBs were present in the samples collected at SS-07, SS-11, and SS-12 at concentrations exceeding SRS, and additional grid sampling results for PCBs centered around these three sample locations indicate PCBs are present at the site in these areas exceeding SRS at the surface and the subsurface (SS-11 and SS-12 only). Sample results also indicate the complete extent of PCB contaminated soil at the site not defined.

Nobis compared individual PCB results from these three areas and concluded based on relative concentrations and the individual Aroclors the source of PCB contamination at the SS-07 area on Lot-127-15 differs from the source of PCB contamination at the SS-11 and SS-12 areas on Lot-127-13. PCBs detected on Lot 127-15 appear to be predominantly defined by Aroclor 1260, whereas the PCB distribution detected on Lot 127-13 appear to have greater concentration of Aroclors 1248 and 1254. Based on visual observations made by Nobis during sampling activities at the site, the source of PCB contamination at SS-07 is possibly from paints, and other PCB containing liquid products or consumer that would be stored in small metal containers. Nobis observed many small metal containers including paint cans in and around the SS-07 area. Based on visual observations made by Nobis during sampling activities at the site, the presumed source of PCB contamination at SS-11 and SS-12 is possibly from industrial electrical components including but not limited to transformers. Nobis observed several pieces that looked to be from industrial electrical components in the vicinity of the SS-11 and SS-12 areas.

Cleanup criteria based on high and low occupancy standards are established in 40 CFR §761.61.

High occupancy area means any area where PCB remediation waste has been disposed of on-site and where occupancy for any individual not wearing dermal and respiratory protection for a calendar year is: 840 hours or more (an average of 16.8 hours or more per week) for non-porous surfaces and 335 hours or more (an average of 6.7 hours or more per week) for bulk PCB remediation waste.

Low occupancy area means any area where PCB remediation waste has been disposed of on-site and where occupancy for any individual not wearing dermal and respiratory protection for a calendar year is: less than 840 hours (an average of 16.8 hours per week) for non-porous surfaces and less than 335 hours (an average of 6.7 hours per week) for bulk PCB remediation waste.

A self-implementing cleanup as outlined in 40 CFR §761.61(a) could be used at the site to address PCB contamination at the site once the full extent of PCB contamination at the site is defined. Nobis assumes the site is a high occupancy area (most conservative) and PCBs contamination would need to be remediated down to less than 1 mg/kg in soil for unrestricted use of the site or remediated to less than or equal to 10 mg/kg with the placement of a cap over the PCB contaminated soils with an Activity Use Restriction recorded on the property.

Four samples analyzed for PCBs (3 from area SS-11 and 1 from area SS-12) had concentrations of total PCBs greater than or equal to 50 mg/kg. Soils containing concentrations of total PCBs greater than or equal to 50 mg/kg, if selected for off-site disposal, must be transported and disposed of as Toxic Substances Control Act (TSCA) regulated waste and must be disposed of at a TSCA approved facility. Soils containing less than 50 mg/kg total PCBs can be disposed of at a facility approved to receive PCB containing waste as defined in 40 CFR §761.61(a)(5)(v).

7.1.4 Metals

The metals antimony, arsenic, cadmium, lead, mercury, and zinc were present in samples collected from the site at concentrations exceeding their respective SRS. Lead is the primary metal contaminant at the site, concentrations exceeded SRS in 23 of the 43 samples submitted to the laboratory for metals analysis. SRS exceedances of antimony, arsenic, cadmium, mercury, and zinc occurred in samples where lead also exceeded SRS except in three samples (SS-06B, M-2, and M-8). Arsenic exceeded SRS in the samples collected from SS-06B and M-8 and zinc exceeded SRS in the sample collected from M-2.

The source of the metals contamination identified at the site is likely from historic site use as an unlicensed salvage yard. One use of antimony alloys and a common use of lead is batteries, likely to have been present at the site when salvage operations were active. Zinc concentrations at the site are likely a result of the storage of galvanized steel at the site.

7.2 Site Status

Based on the data collected for this Phase II ESA, PCB and metal contamination, primarily lead, are present in site soil exceeding SRS. Lead contamination appears to present across the site with the highest concentrations present on Lot-127-15. PCB contamination exceeding SRS was identified at three areas, SS-07, SS-11, and SS-12. Area SS-07 is located on Lot-127-15 and areas SS-11 and SS-12 are located on Lot 127-13. Nobis believes the source of PCB contamination at area SS-07 is distinct from the source of PCB contamination at areas SS-11 and SS-12. Low levels of PCBs were present across the site but at concentrations below SRS. PCB contamination is not fully delineated at the site. Additional PCB sampling is warranted at the site to define the extents

of PCB contamination present at the three identified areas. PAHs are also present at the site at concentrations exceeding SRS and are co-located with locations with metal contamination exceeding SRS. TPH-DRO concentration at SS-05 exceeded SRS, lead concentrations at SS-05 also exceeded SRS.

The contaminants of concern (PCBs, PAHs, metals) are not anticipated to present a great risk to groundwater. Based on the distribution of contaminants, and the associated risk, PCBs are considered the primary contaminant of concern at the site, given the concentrations detected and the distribution. The current data indicates PCB contamination on Lot 127-15 (residential property) is of a lesser magnitude and likely from a different source than PCB contamination on Lot 127-13 (rear vacant property) as indicated by the difference between Aroclor 1260 versus Aroclors 1248 and 1254 reported. Given the lower concentrations and limited distribution, management and mitigation of PCBs on Lot 127-15 may be easier than on Lot 127-13. As such, remediation of these areas could be implemented independent of each other to phase the overall site cleanup strategy.

8.0 CONCLUSIONS AND RECOMMENDATIONS

8.1 Conclusions

Based on the data collected during the Phase II ESA that included collection and analysis of soil and groundwater samples, Nobis concludes the following:

- The target site consists of three separate properties. The properties are identified by the City of Berlin as Lots 127-13, 127-14, and 127-15. Lot 127-13 is a 0.85-acre lot classified as vacant land by the City of Berlin. Lot 127-14 is a 0.36-acre lot classified as vacant land by the City of Berlin. Lot 127-15 is a 1.40-acre lot classified as single-family use by the City of Berlin containing a residential home and several shed-like structures.
- The subject site is located within an Residential district, as defined by the City of Berlin. Properties in the vicinity of the site are serviced by either private water supply wells or public water supply and municipal sewer system. The adjoining properties are residential in nature.
- The Site was operating as an unlicensed junkyard with storage of questionable containers and generally poor housekeeping. Inspection of the Site by NHDES identified the presence of multiple 55-gallon drums and other containers, lead-acid batteries, and various scrap automotive parts and metals. Reportedly, the property owner began his business practice in the late 1950s.

- A total of fifteen surface soil locations were sampled at the target property (SS-01 through SS-15) on July 3, 2018. Locations were selected based on site observations and a desire to provide geospatial coverage of the site.
- One soil sample was collected from each surface soil location and submitted for laboratory analysis of VOCs, TPH - DRO, PAHs, PCBs, and metals.
- A total of ten test pit explorations were performed at the target property (TP-01 through TP-10) on July 16, 2018.
- Soil samples were collected from TP-01 through TP-05 and submitted for laboratory analysis of VOCs, TPH - DRO, PAHs, PCBs, and metals.
- Additional soil samples were collected on September 13, 2018, to further assess the nature and extent of PCB and metal contamination identified at the site from the samples collected in July 2018.
- Forty-five additional soil samples were collected from three areas centered around sample locations SS-07, SS-11, and SS-12 from July 2018 and were submitted for laboratory analysis of PCBs.
- Nineteen additional soil samples were collected and submitted for laboratory analysis of metals.
- No VOCs were present in any of the analyzed samples at concentrations exceeding SRS. Trichlorofluoromethane was present in the samples collected from SS-05 and SS-09, there is no SRS for trichlorofluoromethane.
- TPH-DRO was present in the sample collected from SS-05 at 10,000 mg/kg exceeding the SRS of 10,000 mg/kg. Stained soil and a drum in poor condition were observed in the vicinity of SS-05.
- The PAHs benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, and/or indeno[1,2,3-cd]pyrene were present in several samples (SS-02, SS-03, SS-07, SS-09, SS-11, SS-15, and SS-15 FD) at concentrations exceeding their applicable SRS.
- Total PCBs exceeding the SRS of 1 mg/kg in three of the surface soil samples (SS-07, SS-11, and SS-12) and one test pit sample (TP-01) collected in July 2018, additional soil samples were collected from three areas in 10 x 10-foot grids centered on previous sample locations SS-07, SS-11 and SS-12. Three samples from area SS-11 and one sample from area SS-12 exceeded 50 mg/kg, soils with PCB concentrations exceeding 50 mg/kg must be disposed of at an approved TSCA disposal facility.
- Two separate sources of PCB contamination appear to be present at the site based on the presence of individual PCB Aroclors and visual observations by Nobis. Areas SS-11 and

SS-12 on Lot 127-13 appear to be predominantly Aroclors 1248 and 1254 as opposed to Aroclor 1260 which is predominantly present in Area SS-07 on Lot 127-15. Based on visual observations made by Nobis during sampling activities at the site, the source of PCB contamination at SS-07 is likely from paints, and other PCB containing liquid products, consumer goods that would be stored in small metal containers. Nobis observed many small metal containers including paint cans in and around the SS-07 area. Based on visual observations made by Nobis during sampling activities at the site, the presumed source of PCB contamination at SS-11 and SS-12 is likely from industrial electrical components including but not limited to transformers. Nobis observed several pieces that looked to be from industrial electrical components in the vicinity of the SS-11 and SS-12 areas.

- The metals antimony, arsenic, cadmium, lead, mercury, and/or zinc were present in several of the samples collected at the site at concentrations exceeding applicable SRS. Lead is the primary metal contaminant at the site, concentrations exceeded SRS in 23 of the 43 samples submitted to the laboratory for metals analysis. SRS exceedances of antimony, arsenic, cadmium, mercury, and zinc occurred in samples where lead also exceeded SRS except in three samples (SS-06B, M-2, and M-8). Arsenic exceeded SRS in the samples collected from SS-06B and M-8 and zinc exceeded SRS in the sample collected from M-2.
- The source of the metals contamination identified at the site is likely from historic site use as an unlicensed salvage yard. One use of antimony alloys and a common use of lead is batteries, likely to have been present at the site when salvage operations were active. Zinc concentrations at the site are likely a result of the storage of galvanized steel at the site.
- Groundwater was not encountered during site investigation activities, based on observations by Nobis groundwater is likely only present beneath the site in bedrock. Nobis observed the base of TP-01 to be very moist, likely water seeping from bedrock feeding the assumed wetland next to TP-01. TP-01 was completed in an area of fill that looks to have been placed over a possible wet area.

8.2 Recommendations

Based on the observations during field investigations and data collected during the Phase II ESA, Nobis recommends the following:

- Additional soil sampling should be performed to determine the extents of identified PCB and metals contamination in order to develop remedial options and estimates.
- If a self-implementing cleanup as outlined in 40 CFR §761.61(a) with off-site disposal of PCB remediation waste is selected to address PCB contamination at the site, area SS-07 and areas SS-11 and SS-12 could be completed as two separate self-implementing

cleanups. Area SS-07 is located on a different lot and the PCB impacts are likely from a different source as opposed to areas SS-11 and SS-12. Areas SS-11 and SS-12 soils contain total PCBs greater than 50 mg/kg and will need to be disposed of at a TSCA approved disposal facility if off-site disposal is the selected remedial option for the soil in these areas.

TABLES

TABLE 1
SUMMARY OF SOIL VOC AND DRO ANALYSIS
Lavoie Property
640 Hillside Ave
Berlin, New Hampshire
Project No. 70705.00

Soil Remediation Standards				Benzene	Toluene	Ethylbenzene	Xylenes (Total)	MtBE	Naphthalene	Isopropylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	n-Propylbenzene	p-Isopropyltoluene	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Trichloroethylene	Tetrachloroethylene	Other 8260B VOCs	DRO- Diesel
Env-Or 600 Table 600-2				0.3	100	140	500	0.2	5	330	130	96	85	3,400	110	130	100	0.8	2	Varies	10,000
Sample	**Sample Depth (ft.)**	**PID Reading (ppm)**	**Date**																		
SURFACE SOIL SAMPLES																					
SS-01	0-1'	<1.0	7/3/2018	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	490
SS-02	0-1'	<1.0	7/3/2018	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	300
SS-03	0-1'	<1.0	7/3/2018	<0.08	<0.08	<0.08	<0.16	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.08	<0.08	<0.08	<0.08	<0.08	--	110
SS-04	0-1'	<1.0	7/3/2018	<0.1	<0.1	<0.1	<0.2	<0.3	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	140
SS-05	0-1'	<1.0	7/3/2018	<0.06	<0.06	<0.06	<0.12	<0.1	<0.1	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.1	6.5[7]	**20,000**
SS-06	0-1'	<1.0	7/3/2018	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	2,300
SS-07	0-1'	<1.0	7/3/2018	<0.1	<0.1	<0.1	<0.2	<0.3	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	1,700
SS-08	0-1'	<1.0	7/3/2018	<0.08	<0.08	<0.08	<0.16	<0.2	<0.2	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<008	<0.08	<0.08	<0.08	--	540
SS-09	0-1'	<1.0	7/3/2018	<0.1	<0.1	<0.1	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.62[7]	130
SS-10	0-1'	<1.0	7/3/2018	<0.08	<0.08	<0.08	<0.16	<0.2	<0.2	<0.08	<0.08	<0.08	<0.08	<.08	<0.08	<0.08	<0.08	<0.1	<0.08	--	110
SS-11	0-1'	<1.0	7/3/2018	<0.1	<0.1	<0.1	<0.2	<0.3	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	230
SS-12	0-1'	<1.0	7/3/2018	<0.1	<0.1	<0.1	<0.2	<0.3	<0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	71
SS-13	0-1'	<1.0	7/3/2018	<0.09	<0.09	<0.09	<0.18	<0.3	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	--	150
SS-14	0-1'	<1.0	7/3/2018	<0.07	<0.07	<0.7	<0.14	<0.1	<0.1	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	--	87
SS-15	0-1'	<1.0	7/3/2018	<0.09	<0.09	<0.1	<0.18	<0.2	<0.2	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	--	92
SS-15 FD	0-1'	<1.0	7/3/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	2,600
TEST PIT SOIL SAMPLES																					
TP-01	1-4'	<1.0	7/16/2018	<0.1	<0.1	<0.1	<0.2	<0.2	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	--	190
TP-02	1-2'	<1.0	7/16/2018	<0.06	<0.06	<0.06	<0.12	<0.1	<0.1	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	0.55[7]	53
TP-03	2-4'	<1.0	7/16/2018	<0.05	<0.05	<0.06	<0.12	<0.1	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	--	34
TP-04	2-3'	<1.0	7/16/2018	<0.06	<0.06	<0.06	<0.06	<0.1	<0.1	<0.6	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	--	35
TP-05	1-3'	<1.0	7/16/2018	<0.07	<0.07	<0.07	<0.14	<0.1	<0.1	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	--	59
TP-05 FD	1-3'	<1.0	7/16/2018	<0.07	<0.07	<0.07	<0.14	<0.1	<0.1	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	<0.07	--	91

Notes:
1. All samples were collected by Nobis Engineering, Inc. on the dates indicated.
2. All concentrations reported in parts per million (ppm), equivalent to mg/Kg, except where indicated.
3. "<" indicates that the parameter was not detected at the specified reporting limit, "x". Concentrations in **Bold** indicate exceedances of applicable SRS.
4. The analyses were performed by Eastern Analytical, Inc. of Concord, New Hampshire by EPA Method 8260C for VOCs and EPA Method 8015C for TPH as Fuel Oil.
5. Env-Or 600 Soil Remediation Standards are referenced in New Hampshire Code of Administrative Rules Part Env-Or 600, revised June 1, 2015.
6. Compounds not listed in this table were not detected above laboratory reporting limits in the samples analyzed.
7. The other VOC detected is trichlorofluoromethane. There is no Soil Remediation Standard for trichlorofluoromethane.

TABLE 2
SUMMARY OF SOIL PAH ANALYSIS
Lavoie Property Berlin
640 Hillside Ave
Berlin. New Hampshire
Project No. 70705.00

Soil Remediation Standards			Naphthalene	Acenaphthylene	Acenaphthene	Fluorene	Anthracene	Phenanthrene	Pyrene	Benzo[a]anthracene	Chrysene	Benzo[b]fluoranthene	Benzo[k]fluoranthene	Benzo[a]pyrene	Benzo[g,h,i]perylene	Indeno[1,2,3-cd]pyrene	Dibenz[a,h]anthracene	Fluoranthene	1-Methylnaphthalene	2-Methylnaphthalene
Env-Or 600 Table 600-2 (RCMP Category S-1)			5	490	340	77	1,000	ns	720	1	120	1	12	0.7	ns	1	0.7	960	ns	96
RCMP Category S-2			5	490	340	77	2,500	ns	2,500	4	360	4	36	0.7	ns	4	0.7	2,500	ns	100
RCMP Category S-3			5	490	340	77	5,000	ns	5,000	52	5,200	52	520	5	ns	52	5	5,000	ns	100
Sample Location	**Sample Depth (ft.)**	**Date**																		
SURFACE SOIL SAMPLES																				
SS-01	0-1'	7/3/2018	<0.09	<0.09	<0.09	<0.09	<0.09	0.11	0.21	0.13	0.19	0.32	0.12	0.15	<0.09	<0.09	<0.09	0.26	<0.09	<0.09
SS-02	0-1'	7/3/2018	<0.09	0.36	<0.09	<0.09	0.25	0.88	1.6	0.99	1.3	**2.1**	0.73	**1.1**	0.31	0.34	<0.09	1.7	<0.09	<0.09
SS-03	0-1'	7/3/2018	<0.08	0.12	<0.08	<0.08	0.15	0.53	0.90	0.57	0.72	**1.1**	0.40	0.60	0.14	0.18	<0.08	1.1	<0.08	<0.08
SS-04	0-1'	7/3/2018	<0.1	<0.1	<0.1	<0.1	<0.1	0.40	0.68	0.39	0.49	0.73	0.27	0.42	<0.1	0.12	<0.1	0.84	<0.1	<0.1
SS-05	0-1'	7/3/2018	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
SS-06	0-1'	7/3/2018	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
SS-07	0-1'	7/3/2018	<5	<5	<5	<5	<5	<5	10	**5.7**	7	**10**	<5	**6.3**	5.9	**5.8**	<5	12	<5	<5
SS-08	0-1'	7/3/2018	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
SS-09	0-1'	7/3/2018	0.15	<0.09	0.091	0.14	0.27	0.88	0.85	0.55	0.64	**1.1**	0.42	0.56	0.19	0.20	<0.09	1.2	<0.09	0.11
SS-10	0-1'	7/3/2018	<0.08	0.090	<0.08	<0.08	<0.08	0.33	0.51	0.33	0.45	0.78	0.27	0.34	0.12	0.13	<0.08	0.69	<0.08	<0.08
SS-11	0-1'	7/3/2018	0.21	0.12	0.44	0.46	0.55	1.7	1.7	**1.2**	1.4	**2.5**	0.85	**1.2**	0.48	0.52	0.13	2.3	0.50	0.74
SS-12	0-1'	7/3/2018	<0.1	<0.1	<0.1	<0.1	<0.1	0.20	0.35	0.22	0.30	0.50	0.18	0.26	0.17	<0.1	<0.1	0.46	<0.1	<0.1
SS-13	0-1'	7/3/2018	<0.09	<0.09	<0.09	<0.09	0.11	0.41	0.48	0.59	0.37	0.61	0.22	0.31	0.12	0.12	<0.09	0.64	<0.09	<0.09
SS-14	0-1'	7/3/2018	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	0.095	<0.08	<0.08	0.12	<0.08	<0.08	<0.08	<0.08	<0.08	0.12	<0.08	<0.08
SS-15	0-1'	7/3/2018	<0.08	<0.08	0.09	0.11	0.12	1.3	1.1	0.51	0.85	**1.4**	0.49	0.60	0.21	0.23	<0.08	1.7	<0.08	<0.08
SS-15 FD	0-1'	7/3/2018	<1	<1	<1	<1	<1	2.5	2.8	**1.5**	1.7	**2**	<1	**1.3**	1.1	**1.2**	<1	3.5	<1	<1
TEST PIT SOIL SAMPLES																				
TP-01	1-4'	7/16/2018	<0.1	<0.1	0.11	0.12	0.29	0.9	1.5	0.99	1.2	**1.7**	0.62	**1.1**	0.4	0.48	0.12	2.1	0.11	0.17
TP-02	1-2'	7/16/2018	<0.08	<0.08	<0.08	<0.08	<0.08	0.095	0.13	<0.08	0.093	0.120	<0.08	<0.08	<0.08	<0.08	>0.08	0.180	<0.0	<0.08
TP-03	2-4'	7/16/2018	<0.07	<0.07	<0.07	<0.07	<0.07	0.093	0.096	<0.07	<0.07	0.077	<0.07	<0.07	<0.07	<0.07	<0.07	0.130	<0.07	<0.07
TP-04	2-3'	7/16/2018	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	0.11	<0.08	0.08	0.10	<0.08	<0.08	<0.08	<0.08	<0.08	0.130	<0.08	<0.08
TP-05	1-3'	7/16/2018	<0.08	<0.09	<0.10	<0.11	<0.12	0.130	0.290	0.150	0.190	0.230	0.085	0.150	0.082	0.096	<0.08	0.350	<0.08	<0.08
TP-05 FD	1-3'	7/16/2018	<0.08	0.083	0.083	<0.08	<0.08	0.19	0.38	0.19	0.25	0.32	0.11	0.21	0.087	0.1	<0.08	0.460	<0.08	<0.08

Notes:
1. All samples were collected by Nobis Engineering, Inc. on the dates indicated.
2. All concentrations reported in parts per million (ppm), equivalent to mg/Kg, except where indicated.
3. "<" indicates that the parameter was not detected at the specified reporting limit, "x". Concentrations in **Bold** indicate exceedances of applicable SRS.
4. "ns" indicates that no standard is established.
5. The analyses were performed by Eastern Analytical, Inc. of Concord, New Hampshire by EPA Method 8270D for SVOCs and EPA Method 8081B for pesticides.
5. Env-Or 600 Soil Remediation Standards referenced in New Hampshire Code of Administrative Rules Part Env-Or 600, Table 600-2, adopted on February 1, 2007 and most recently revised on June 1, 2015.
7. Compounds not listed in this table were not detected above laboratory reporting limits in the samples analyzed.

TABLE 3
SUMMARY OF SOIL PCB ANALYSES
Lavoie Property
640 Hillside Ave
Berlin, New Hampshire
Project No. 70705.00

Soil Remediation Standards			PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	PCB-1262	PCB-1268	Total Polychlorinated Biphenyls
NHDES Env-Or 600 Table 600-2			ns	ns	ns	ns	ns	ns	ns	ns	ns	1
EPA TSCA Cleanup Standards	High Occupancy	Unconditional	ns	ns	ns	ns	ns	ns	ns	ns	ns	1
		Encapsulated/Capped	ns	ns	ns	ns	ns	ns	ns	ns	ns	10
	Low Occupancy	Unconditional	ns	ns	ns	ns	ns	ns	ns	ns	ns	25
		Encapsulated/Capped	ns	ns	ns	ns	ns	ns	ns	ns	ns	100
Sample	**Sample Depth (ft.)**	**Date**										
SURFACE SOIL SAMPLES												
SS-01	0-0.5'	7/3/2018	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.18
SS-02	0-0.5'	7/3/2018	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.73	<0.02	<0.02	0.73
SS-03	0-0.5'	7/3/2018	<0.02	<0.02	<0.02	<0.02	0.16	<0.02	0.17	<0.02	0.11	0.44
SS-04	0-0.5'	7/3/2018	<0.02	<0.02	<0.02	<0.02	<0.02	0.12	0.12	<0.02	0.067	0.31
SS-05	0-0.5'	7/3/2018	<0.02	<0.02	<0.02	<0.02	0.074	<0.02	0.073	<0.02	0.059	0.206
SS-06	0-0.5'	7/3/2018	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.31	<0.02	0.27	0.58
SS-07	0-0.5'	7/3/2018	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	2.2	<0.02	<0.02	**2.2**
SS-07B	1'	9/13/2018	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.030	<0.02	<0.02	0.030
SS-08	0-0.5'	7/3/2018	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.052	<0.02	<0.02	0.052
SS-09	0-0.5'	7/3/2018	<0.02	<0.02	<0.02	<0.02	0.25	<0.02	0.17	<0.02	0.063	0.48
SS-10	0-0.5'	7/3/2018	<0.02	<0.02	<0.02	<0.02	0.28	0.31	0.28	<0.02	<0.02	0.87
SS-11	0-0.5'	7/3/2018	<0.02	<0.02	<0.02	<0.02	7.8	6.9	3.0	<0.02	<0.02	**17.7**
SS-11B	1'	9/13/2018	<0.02	<0.02	<0.02	<0.02	<0.02	3.4	1.9	<0.02	<0.02	**5.3**
SS-11C	2'	9/13/2018	<0.03	<0.03	<0.03	<0.03	0.21	0.27	0.74	<0.03	<0.03	**1.22**
SS-12	0-0.5'	7/3/2018	<0.5	<0.5	<0.5	<0.5	<0.5	4.9	<0.5	<0.5	<0.5	**4.9**
SS-12B	1'	9/13/2018	<0.02	<0.02	<0.02	<0.02	3.1	1.7	0.18	<0.02	<0.02	**4.98**
SS-13	0-0.5'	7/3/2018	<0.09	<0.09	<0.09	<0.09	0.72	<0.09	0.11	<0.09	<0.09	0.83
SS-14	0-0.5'	7/3/2018	<0.02	<0.02	<0.02	<0.02	<0.02	0.041	0.028	<0.02	<0.02	0.069
SS-15	0-0.5'	7/3/2018	<0.02	<0.02	<0.02	<0.02	<0.02	0.20	0.12	<0.02	0.08	0.40
SS-15 FD	0-0.5'	7/3/2018	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.32	<0.02	0.25	0.57
S7-1	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	2.6	1.8	1.5	<0.02	<0.02	**5.9**
S7-2	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	<0.02	0.18	<0.02	<0.02	0.34	0.52
S7-3	0-0.5'	9/13/2018	<0.03	<0.03	<0.03	<0.03	<0.03	0.29	0.24	<0.03	0.25	0.78
S7-4	0-0.5'	9/13/2018	<0.04	<0.04	<0.04	<0.04	<0.04	0.071	0.11	<0.04	0.070	0.251
S7-5	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	<0.02	0.21	0.22	<0.02	0.076	0.506
S7-FDUP5	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.59	<0.02	<0.02	0.59
S7-6	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.24	<0.02	<0.02	0.24
S7-7	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	1.4	<0.02	<0.02	**1.4**
S7-8	0-0.5'	9/13/2018	<0.03	<0.03	<0.03	<0.03	<0.03	0.036	0.042	<0.03	<0.03	0.078
S7-9	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	1.4	<0.02	<0.02	**1.4**
S7-FDUP9	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	1.6	<0.02	<0.02	**1.6**
S11-1A	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	<0.02	8.4	1.6	<0.02	<0.02	**10.0**
S11-2A	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	0.65	0.86	0.53	<0.02	<0.02	**2.04**
S11-3A	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	1.4	1.2	0.37	<0.02	<0.02	**3.0**
S11-4A	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	8.4	8.9	1.2	<0.02	<0.02	**18.5**
S11-4B	1'	9/13/2018	<0.02	<0.02	<0.02	<0.02	0.43	0.70	0.51	<0.02	<0.02	**1.64**
S11-5A	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	6.3	8.2	2.1	<0.02	<0.02	**16.6**
S11-5B	1'	9/13/2018	<0.02	<0.02	<0.02	<0.02	0.20	0.31	1.0	<0.02	<0.02	**1.5**
S11-5C	2'	9/13/2018	<0.02	<0.02	<0.02	<0.02	<0.02	1.6	1.2	<0.02	<0.02	**2.8**

TABLE 3
SUMMARY OF SOIL PCB ANALYSES
Lavoie Property
640 Hillside Ave
Berlin, New Hampshire
Project No. 70705.00

Soil Remediation Standards			PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	PCB-1262	PCB-1268	Total Polychlorinated Biphenyls
NHDES Env-Or 600 Table 600-2			ns	ns	ns	ns	ns	ns	ns	ns	ns	1
EPA TSCA Cleanup Standards	High Occupancy	Unconditional	ns	ns	ns	ns	ns	ns	ns	ns	ns	1
		Encapsulated/Capped	ns	ns	ns	ns	ns	ns	ns	ns	ns	10
	Low Occupancy	Unconditional	ns	ns	ns	ns	ns	ns	ns	ns	ns	25
		Encapsulated/Capped	ns	ns	ns	ns	ns	ns	ns	ns	ns	100
Sample	**Sample Depth (ft.)**	**Date**										
S11-6A	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	0.85	1.4	0.33	<0.02	<0.02	**2.6**
S11-6B	1'	9/13/2018	<0.02	<0.02	<0.02	<0.02	1.4	3.4	1.2	<0.02	<0.02	**6.0**
S11-7A	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	<0.02	18	3.2	<0.02	<0.02	**21**
S11-7B	1'	9/13/2018	<0.02	<0.02	<0.02	<0.02	<0.02	27	6.0	<0.02	<0.02	**33**
S11-8A	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	<0.02	2.8	0.70	<0.02	<0.02	**3.5**
S11-9A	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	33	21	3.9	<0.02	<0.02	**58**
S11-9B	1'	9/13/2018	<0.02	<0.02	<0.02	<0.02	21	28	7.5	<0.02	<0.02	**57**
S11-9C	2'	9/13/2018	<0.02	<0.02	<0.02	<0.02	4.3	1.8	0.73	<0.02	<0.02	**6.8**
S11-10A	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	<0.02	4.5	0.76	<0.02	<0.02	**5.3**
S11-11A	0-0.5'	9/13/2018	<0.03	<0.03	<0.03	<0.03	21	14	2.5	<0.03	<0.03	**38**
S11-11B	1'	9/13/2018	<0.03	<0.03	<0.03	<0.03	23	24	2.7	<0.03	<0.03	**50**
S11-11C	2'	9/13/2018	<0.02	<0.02	<0.02	<0.02	4.5	<0.02	0.27	<0.02	<0.02	**4.8**
S11-12A	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	1.9	4.2	0.67	<0.02	<0.02	**6.8**
S11-13A	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	13	12	1.6	<0.02	<0.02	**27**
S12-1	0-0.5'	9/13/2018	<0.03	<0.03	<0.03	<0.03	6.9	7.7	2.0	<0.03	<0.03	**16.6**
S12-2	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	<0.02	74	8.7	<0.02	<0.02	**82.7**
S12-3	0-0.5'	9/13/2018	<0.03	<0.03	<0.03	<0.03	<0.03	11	2.3	<0.03	<0.03	**13.3**
S12-4	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	<0.02	8.5	1.8	<0.02	<0.02	**10.3**
S12-5	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	<0.02	22	2.4	<0.02	<0.02	**24.4**
S12-6	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	2.1	2.4	0.78	<0.02	<0.02	**5.28**
S12-7	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	<0.02	5.0	1.0	<0.02	<0.02	**6.0**
S12-8	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	<0.02	1.1	0.34	<0.02	<0.02	**1.44**
S12-9	0-0.5'	9/13/2018	<0.02	<0.02	<0.02	<0.02	<0.02	16	2.1	<0.02	<0.02	**18.1**
TEST PIT SOIL SAMPLES												
TP-01	1-4'	7/16/2018	<0.02	<0.02	<0.02	<0.02	<0.02	7.4	4.7	<0.02	<0.02	**12.1**
TP-02	1-2'	7/16/2018	<0.02	<0.02	<0.02	<0.02	0.64	0.22	0.089	<0.02	<0.02	0.95
TP-03	2-4'	7/16/2018	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.18
TP-04	2-3'	7/16/2018	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.18
TP-05	1-3'	7/16/2018	<0.02	<0.02	<0.02	<0.02	<0.02	0.025	0.033	<0.02	<0.02	0.058
TP-05 FD	1-3'	7/16/2018	<0.02	<0.02	<0.02	<0.02	<0.02	0.021	0.032	<0.02	<0.02	0.053

Notes:

1. All samples were collected by Nobis Engineering, Inc. on the dates indicated.
2. All concentrations reported in parts per million (ppm), equivalent to mg/Kg, except where indicated.
3. "<x" indicates that the parameter was not detected at the specified reporting limit "x". Bold values indicate exceedance of the high occupancy, unconditional cleanup level of 1 mg/kg.
4. The analyses were performed by Eastern Analytical, Inc. of Concord, New Hampshire by EPA Method 8082A for PCBs.
5. Env-Or 600 Soil Remediation Standards are referenced in New Hampshire Code of Administrative Rules Part Env-Or 600, revised June 1, 2015.
6. Compounds not listed in this table were not detected above laboratory reporting limits in the samples analyzed.
7. High Occupancy Use: Defined under TSCA as any area where PCB remediation waste has been disposed of on-site, and where occupancy for any individual not wearing dermal and respiratory protection for a calender year is: 840 hours or more (an average of 16.8 hours or more per week) for non-porous surfaces and 335 hours or more (an average of 6.7 hours or more per week) for bulk PCB remediation waste.
8. Low Occupancy Use: Defined under TSCA as any area where PCB remediation waste has been disposed of on-site, and where occupancy for any individual not wearing dermal and respiratory protection for a calender year is: less than 840 hours (an average of 16.8 hours or more per week) for non-porous surfaces and less than 335 hours (an average of 6.7 hours or more per week) for bulk PCB remediation waste.
9 . PCB cleanup levels are stated in 40 CFR §761.61. Cleanup levels listed are for bulk PCB remediation waste 40 CFR § 761.61 (a)(4)(i), and porous surfaces 40 CFR § 761.61 (a)(4)(iii).

TABLE 4
SUMMARY OF SOIL METALS ANALYSES
Lavoie Property
640 Hillside Ave
Berlin New Hampshire
Project No. 70705.00

Soil Remediation Standards			Antimony	Arsenic	Beryllium	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Selenium	Silver	Thallium	Zinc
Env-Or 600 Table 600-2 (RCMP Category S-1)			9	11	12	33	1,000	ns	400	7	400	180	89	10	1,000
RCMP Category S-2			74	11	89	280	2,500	ns	400	52	2,500	1,600	690	10	2,500
RCMP Category S-3			74	47	100	280	5,000	ns	400	52	3,100	1,600	690	10	5,000
Sample	**Sample Depth (ft.)**	**Date**													
SOIL SAMPLES															
SS-01	0-0.5'	7/3/2018	0.82	6.5	<0.5	1.6	16	140	72	<0.1	11	1.1	<0.5	<0.5	200
SS-02	0-0.5'	7/3/2018	5	**14**	0.93	5.0	28	1400	**440**	0.42	47	0.9	0.60	<0.5	560
SS-03	0-0.5'	7/3/2018	**25**	9.8	1.3	7.0	45	7000	**750**	1.4	58	1.9	2.4	<0.5	830
SS-03B	1'	9/13/2018	9	9.1	5.1	16	28	4900	**570**	0.63	34	<0.5	7.9	<0.5	820
SS-04	0-0.5'	7/3/2018	4.8	**15**	0.78	9.9	26	1500	**450**	0.38	21	4.0	0.93	<0.5	880
SS-05	0-0.5'	7/3/2018	**11**	8.3	<0.5	9.9	52	13000	**2,300**	0.62	72	2.3	2.3	<0.5	**1,100**
SS-05B	1'	9/13/2018	0.83	2.7	<0.5	0.84	8.8	710	200	0.11	11	<0.5	<0.5	<0.5	110
SS-05C	2'	9/13/2018	<0.5	2.8	<0.5	<0.5	13	12	9.4	<0.1	8.8	<0.5	<0.5	<0.5	38
SS-06	0-0.5'	7/3/2018	**11**	**13**	0.71	9.4	46	4000	**1,100**	0.92	35	2.7	2.4	<0.5	840
SS-06B	1'	9/13/2018	1.3	**43**	0.55	<0.5	15	63	97	0.11	9.3	<0.5	<0.5	<0.5	130
SS-06C	2'	9/13/2018	<0.5	3.3	0.53	<0.5	12	11	9.6	<0.1	8.7	<0.5	<0.5	<0.5	42
SS-07	0-0.5'	7/3/2018	3.3	8.8	0.73	2.9	29	1400	**830**	0.34	33	1.6	1.3	<0.5	**1,400**
SS-07B	1'	9/13/2018	<0.5	4.6	<0.5	<0.5	12	18	47	<0.1	6.3	<0.5	<0.5	<0.5	100
SS-07C	2'	9/13/2018	<0.5	2.4	<0.5	<0.5	12	10	9.8	<0.1	7.5	<0.5	<0.5	<0.5	43
SS-08	0-0.5'	7/3/2018	3	3.9	<0.5	2.6	27	130	240	0.22	35	1.3	<0.5	<0.5	260
SS-09	0-0.5'	7/3/2018	**10**	8.1	<0.5	9.5	41	260	**450**	1.1	45	1.7	1.5	<0.5	720
SS-10	0-0.5'	7/3/2018	7.3	9.9	0.51	16	48	530	**990**	0.40	83	1.6	0.81	<0.5	660
SS-10B	1'	9/13/2018	<0.5	3.5	0.59	3.0	14	29	57	0.12	20	<0.5	<0.5	<0.5	170
SS-10C	2'	9/13/2018	0.94	4.1	0.63	5.1	18	98	150	<0.1	32	<0.5	<0.5	<0.5	190
SS-11	0-0.5'	7/3/2018	**13**	**12**	0.52	11.0	120	480	**780**	4.60	110	2.4	1	<0.5	**1,600**
SS-11B	1'	9/13/2018	3.2	**12**	<0.5	4.3	30	140	**720**	3.1	60	<0.5	<0.5	<0.5	350
SS-11C	2'	9/13/2018	2.8	8.6	<0.5	3.3	31	190	**460**	**10**	84	<0.5	<0.5	<0.5	990
SS-12	0-0.5'	7/3/2018	1.8	9.1	<0.5	5.4	35	170	220	0.79	47	2.3	<0.5	<0.5	400
SS-13	0-0.5'	7/3/2018	3.4	8.3	<0.5	3.3	36	230	250	1.0	33	2.4	<0.5	<0.5	370
SS-14	0-0.5'	7/3/2018	<0.5	3.8	0.57	1.6	18	89	46	0.15	15	2.0	<0.5	<0.5	130
SS-15	0-0.5'	7/3/2018	8.3	**12**	<0.5	4.0	40	480	**450**	1.2	43	1.2	2.2	3.2	4.2
SS-15 FD	0-0.5'	7/3/2018	**12**	**13**	0.66	9.9	59	4300	**1,100**	0.90	42	1.3	1.7	<0.5	890
M-1	0-0.5'	9/13/2018	5.8	**14**	<0.5	9.1	78	720	**480**	2.4	65	<0.5	0.61	<0.5	720
M-2	0-0.5'	9/13/2018	3.2	9.4	<0.5	6.9	48	220	240	1.5	63	<0.5	<0.5	<0.5	**1,300**
M-3	0-0.5'	9/13/2018	**54**	**18**	<0.5	**36**	96	2900	**4,300**	7	240	<0.5	4.6	<0.5	**2,700**
M-4	0-0.5'	9/13/2018	**14**	9.1	0.72	32	40	6000	**1,000**	**10**	58	<0.5	16	<0.5	**2,600**
M-5	0-0.5'	9/13/2018	6.1	**12**	<0.5	**78**	51	4100	**1,200**	1.1	160	<0.5	2.1	<0.5	**1,600**
M-FDUP5	0-0.5'	9/13/2018	3.1	**13**	0.62	15	75	2400	**590**	0.58	250	<0.5	2.5	<0.5	**1,300**
M-6	0-0.5'	9/13/2018	<0.5	4.9	<0.5	0.80	11	18	32	0.13	10	<0.5	<0.5	<0.5	140
M-7	0-0.5'	9/13/2018	**12**	6.0	<0.5	7.8	24	3600	**880**	0.63	44	<0.5	0.95	<0.5	660
M-FDUP7	0-0.5'	9/13/2018	**16**	8.0	<0.5	10	53	6400	**920**	0.82	33	<0.5	1.4	<0.5	790
M-8	0-0.5'	9/13/2018	0.77	**24**	0.51	0.67	14	70	110	0.11	11	<0.5	<0.5	<0.5	140
TEST PIT SOIL SAMPLES															
TP-01	1-4'	7/16/2018	**33**	**21**	<0.5	14	50	350	**430**	4	73	1.0	<0.5	<0.5	**3,100**
TP-02	1-2'	7/16/2018	3.6	4.7	<0.5	3.5	18	130	150	1.1	26	1.5	<0.5	<0.5	390
TP-03	2-4'	7/16/2018	0.79	4.3	<0.5	0.57	13	92	48	0.13	9.2	1.0	<0.5	<0.5	68
TP-04	2-3'	7/16/2018	0.59	7.1	0.710	<0.5	16	120	40	<0.1	8.2	1.6	<0.5	<0.5	80
TP-05	1-3'	7/16/2018	1.4	4.5	0.76	2.30	20	900	200	0.150	13	2	<0.5	<0.5	180
TP-05 FD	1-3'	7/16/2018	7.4	5.8	0.63	3.8	22	2,500	**870**	0.2	17	1.3	0.68	<0.5	270

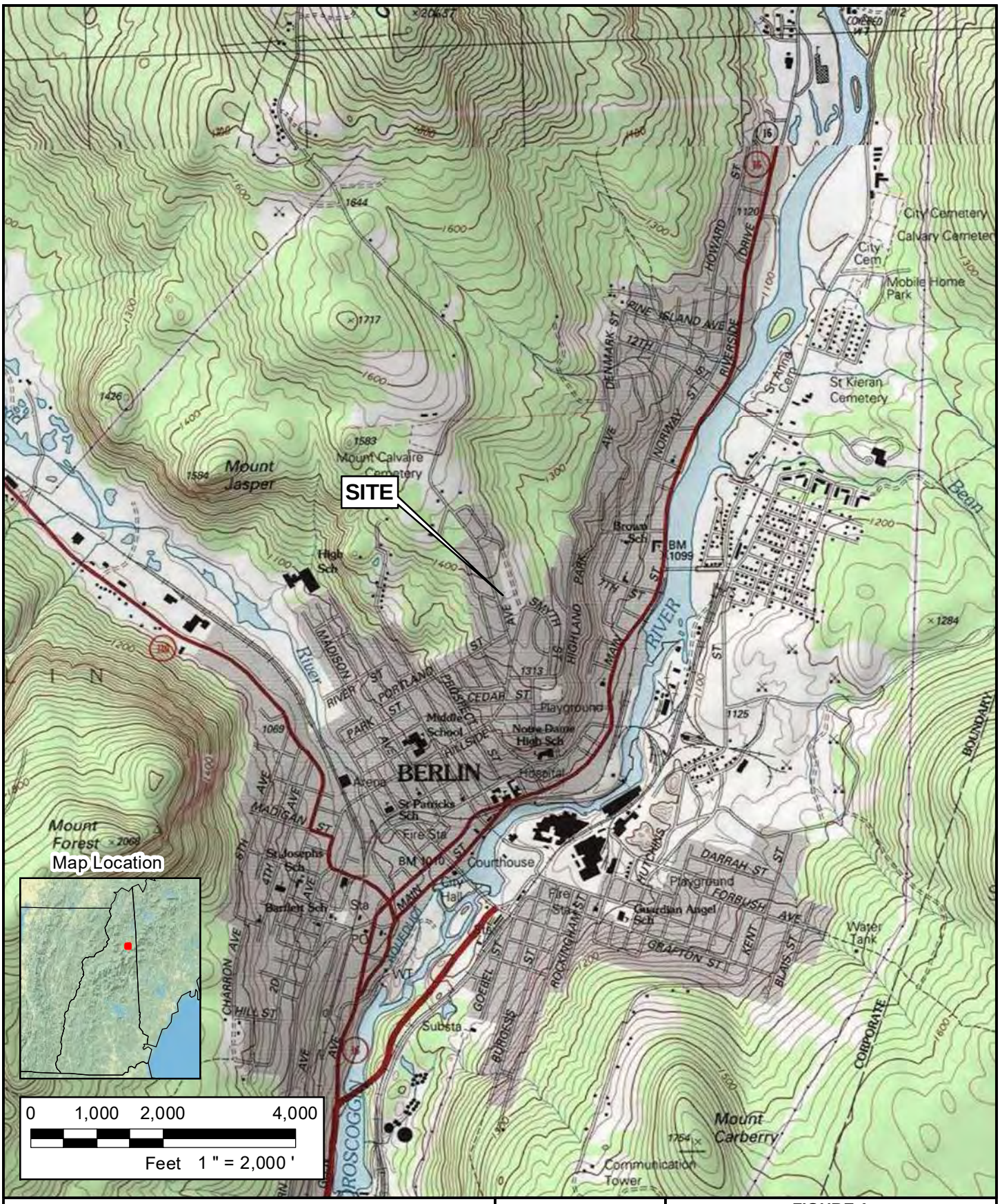
Notes:
1. All samples were collected by Nobis Engineering, Inc. on the dates indicated.
2. All concentrations reported in parts per million (ppm), equivalent to mg/Kg, except where indicated.
3. "<" indicates that the parameter was not detected at the specified reporting limit, "x". Concentrations in **Bold** indicate exceedances of applicable SRS.
4. The analyses were performed by Eastern Analytical, Inc. of Concord, New Hampshire by EPA Method 6020 for metals.
5. Env-Or 600 Soil Remediation Standards are referenced in New Hampshire Code of Administrative Rules Part Env-Or 600, revised June 1, 2015.

TABLE 5
SUMMARY OF CONCRETE PCB ANALYSES
Lavoie Property
640 Hillside Ave
Berlin, New Hampshire
Project No. 70705.00

Soil Remediation Standards			PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	PCB-1262	PCB-1268	Total Polychlorinated Biphenyls
Env-Or 600 Table 600-2			ns	ns	ns	ns	ns	ns	ns	ns	ns	1
RCMP Category S-3			ns	ns	ns	ns	ns	ns	ns	ns	ns	25
Sample	**Sample Depth (ft.)**	**Date**										
CONCRETE SAMPLES												
CS-1	0-0.5'	7/3/2018	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.18
CS-FD01	0-0.5'	7/3/2018	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.18
CS-2	0-0.5'	7/3/2018	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.18

Notes:
1. All samples were collected by Nobis Engineering, Inc. on the dates indicated.
2. All concentrations reported in parts per million (ppm), equivalent to mg/Kg, except where indicated.
3. "<" indicates that the parameter was not detected at the specified reporting limit, "x". Concentrations in **Bold** indicate exceedances of applicable SRS.
4. The analyses were performed by Eastern Analytical, Inc. of Concord, New Hampshire by EPA Method 8082A for PCBs.
5. Env-Or 600 Soil Remediation Standards are referenced in New Hampshire Code of Administrative Rules Part Env-Or 600, revised June 1, 2015.
6. Compounds not listed in this table were not detected above laboratory reporting limits in the samples analyzed.

FIGURES



USGS Topographic Map
Berlin, NH
Revised 1995

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FIGURE 1

LOCUS MAP
LAVOIE PROPERTY
640 HILLSIDE AVE
BERLIN, NEW HAMPSHIRE

PREPARED BY: JRS	CHECKED BY: TA
PROJECT NO. 70705.00	DATE: MARCH 2019

Notes:

1. Parcels are from NH GRANIT, revised February 2017. Aerial photo from NH GRANIT, 2010-2011.

2. All results are reported in mg/kg, only concentrations exceeding applicable Soil Remediation Standards (SRS) are shown.

3. Locations of site features depicted hereon are approximate and given for illustrative purposes only.

Legend

- Test Pit Location
- Surface Soil Sample Location
- Lavoie Properties
- Property Boundary

N

0 30 60 120

Feet

1 inch = 60 feet

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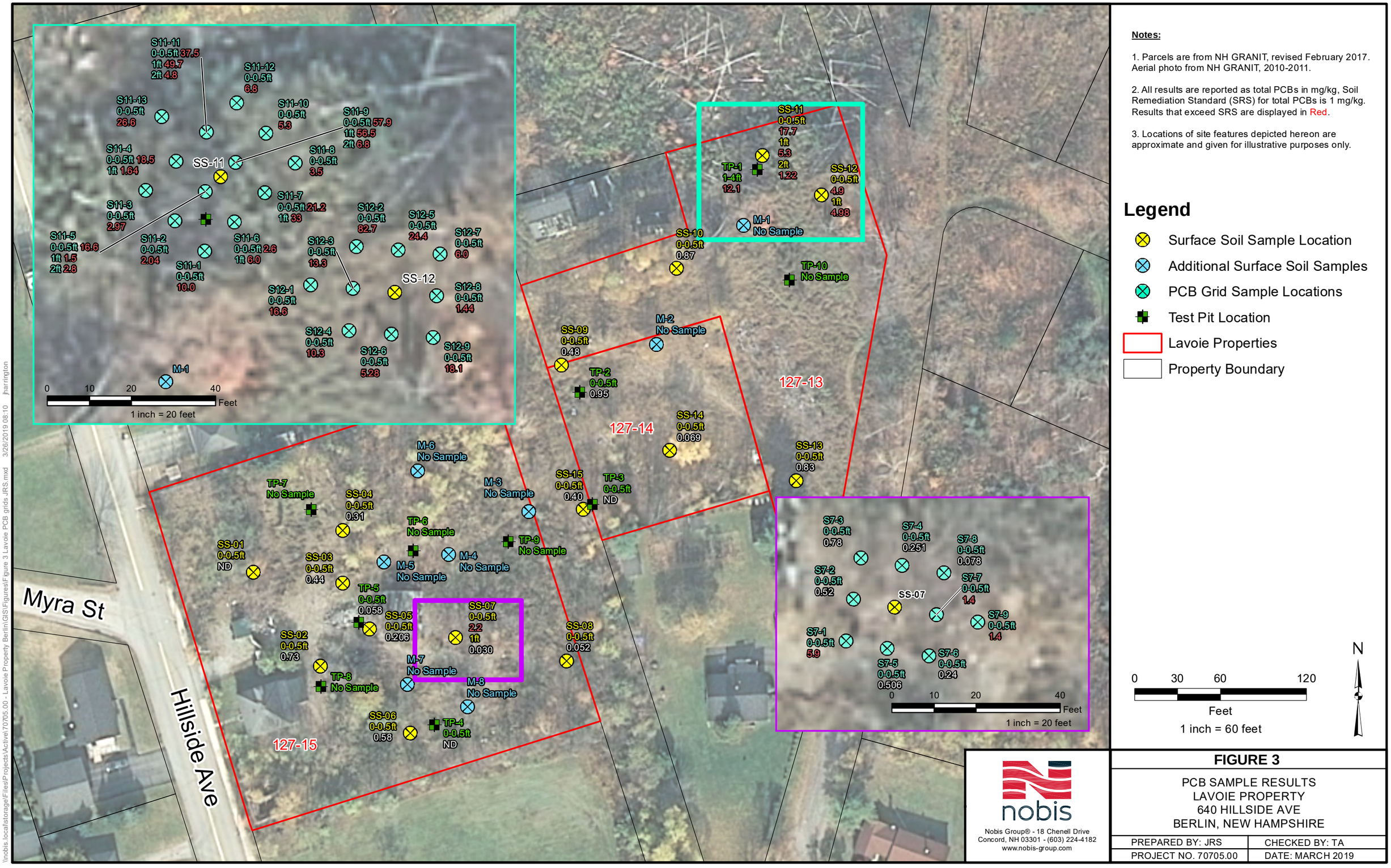
FIGURE 2

PAH SAMPLE RESULTS
LAVOIE PROPERTY
640 HILLSIDE AVE
BERLIN, NEW HAMPSHIRE

PREPARED BY: JRS	CHECKED BY: TA
PROJECT NO. 70705.00	DATE: MARCH 2019



Notes:

1. Parcels are from NH GRANIT, revised February 2017. Aerial photo from NH GRANIT, 2010-2011.

2. All results are reported as total PCBs in mg/kg, Soil Remediation Standard (SRS) for total PCBs is 1 mg/kg. Results that exceed SRS are displayed in Red.

3. Locations of site features depicted hereon are approximate and given for illustrative purposes only.

Legend

- Surface Soil Sample Location
- Additional Surface Soil Samples
- PCB Grid Sample Locations
- Test Pit Location
- Lavoie Properties
- Property Boundary

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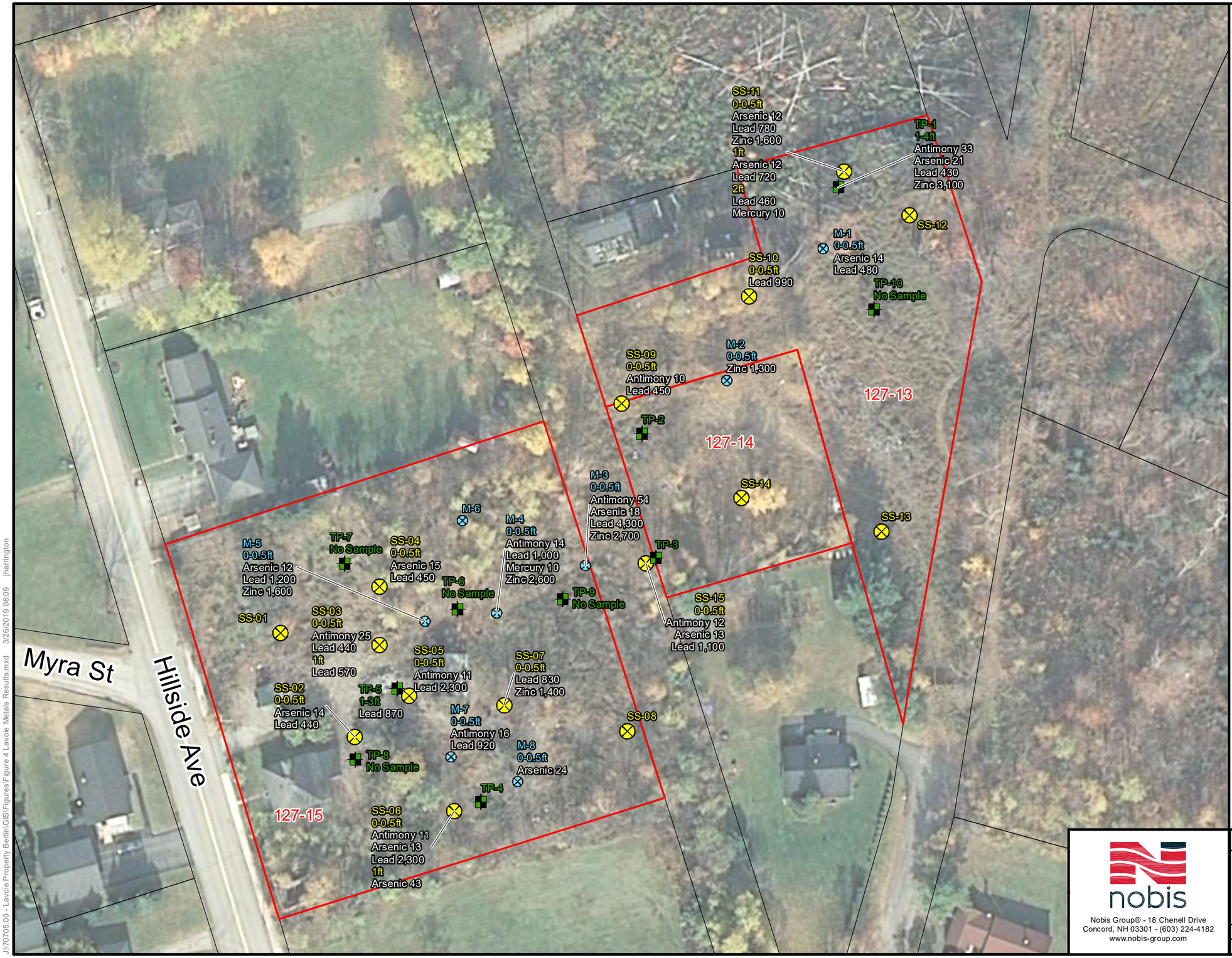
FIGURE 3

PCB SAMPLE RESULTS
LAVOIE PROPERTY
640 HILLSIDE AVE
BERLIN, NEW HAMPSHIRE

PREPARED BY: JRS	CHECKED BY: TA
PROJECT NO. 70705.00	DATE: MARCH 2019



Notes:

1. Parcels are from NH GRANIT, revised February 2017. Aerial photo from NH GRANIT, 2010-2011.

2. All results are reported in mg/kg, only concentrations exceeding applicable Soil Remediation Standards (SRS) are shown.

3. Locations of site features depicted hereon are approximate and given for illustrative purposes only.

Legend

- Surface Soil Sample Location
- Test Pit Location
- Additional Surface Soil Samples
- Lavoie Properties
- Property Boundary

N

0 30 60 120

Feet

1 inch = 60 feet

nobis

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FIGURE 4

METALS SAMPLE RESULTS
LAVOIE PROPERTY
640 HILLSIDE AVE
BERLIN, NEW HAMPSHIRE

PREPARED BY: JRS	CHECKED BY: TA
PROJECT NO. 70705.00	DATE: MARCH 2019

J:\70705.00 - Lavoie Property Berlin\GIS\Figures\Figure 4 Lavoie Metals Results.mxd 3/26/2019 08:09 jharrington

APPENDICES

APPENDIX A

LIMITATIONS

1) These environmental services were performed in accordance with generally accepted practices of other consultants undertaking similar assessments at the same time and in the same geographical area. The results of this assessment are based on our professional judgment and are not scientific certainties. Specifically, Nobis Engineering, Inc. dba Nobis Group ® does not and cannot represent that the site contains no hazardous wastes, oil or other latent conditions beyond those observed during this assessment. No other warranty, express or implied, is made.

2) The observations and conclusions presented in this report were made solely on the basis of conditions described in the report and not on scientific tasks or procedures beyond the scope of described services or the budgetary and time constraints imposed by the client.

3) Observations were made of the site as indicated in this report. Where access to portions of the site was unavailable or limited, Nobis Group ®. renders no opinion as to the presence of hazardous wastes or the presence of indirect evidence of hazardous wastes in that portion of the site.

4) No property boundary, site feature or topographic surveys of the site were performed by Group ® unless specifically indicated in the text of the report.

5) No sampling or testing was performed for the presence of dioxins, furans, herbicides, radon, or urea-formaldehyde at the target property unless specifically indicated in the text of the report.

6) Chemical analyses have been performed for specific parameters during this assessment, as described in the text of the report. Additional chemical constituents not searched for during the current study may be present in soil and/or groundwater at the site. In addition, where such analyses have been conducted by an outside laboratory, Nobis Group ® has relied upon the data provided and has not conducted an independent evaluation of the reliability of these data.

7) This report has been prepared for the exclusive use of the New Hampshire Department of Environmental Services, US Environmental Protection Agency, and City of Berlin, solely for use in an environmental evaluation of the site. This report shall not, in whole or in part, be conveyed to any other party, other than the identified users without prior written consent of Nobis Group ®

APPENDIX B

TEST PIT LOG

Engineering a Sustainable Future

PROJECT
Lavoie Property
640 Hillside Ave, Berlin, New Hampshire
Project No. 70705.00

TEST PIT NO.	TP-1
SHEET	1 of 1
FILE NO.	70705.00
CHKD BY	TA

Engineer	J.Stewart	Make	John Deere	Ground El.	NA
Contractor	ACCUWORX	Model	50g	Datum	NA
Operator	J. Guarino	Capacity	0.16 yd^3	Time Start	11:30
Weather	80's sunny	Reach	18.2'	Date	7/16/2018

Depth Below Grade (in)	Strata Change	Subsurface Description	Excavation Effort	Boulder Qty/Class	Laboratory Testing Results
2'		Dark brown black fine sand and organic silt, moist, PID 0.6 to 0.2 with tires, metal scrap, electronics, plastics, etc Lots of metal scrap	E	1/a	
4'					
6'		Brown fine to med sand little silt some gravel wet, possible fill, possible native		1/a	
8'		Assummed bedrock at 6ft			
10'					
12'					
14'					

Notes:
1) Analtical Sample collected from 1 to 4 feet below ground surface @ 11:30
2)
3)

WATER SYMBOLS
▼ Groundwater
▽ Estimated Seasonal High Groundwater

7'
2.5'

BOULDER	CLASS
12" - 24"	A
24" - 36"	B
>36"	C

PROPORTIONS USED	
0-10%	Trace
10-20%	Little
20-35%	Some
35-50%	And

EXCAVATION EFFORT
E = Easy
M = Moderate
D = Difficult

TEST PIT LOG

Nobis
Engineering a Sustainable Future

PROJECT
Lavoie Property
640 Hillside Ave, Berlin, New Hampshire
Project No. 70705.00

TEST PIT NO.	TP-2
SHEET	1 of 1
FILE NO.	70705.00
CHKD BY	TA

Engineer	J.Stewart	Make	John Deere	Ground El.	NA
Contractor	ACCUWORX	Model	50g	Datum	NA
Operator	J. Guarino	Capacity	0.16 yd^3	Time Start	11:45
Weather	80's sunny	Reach	18.2'	Date	7/16/2018

Depth Below Grade (in)	Strata Change	Subsurface Description	Excavation Effort	Boulder Qty/Class	Laboratory Testing Results
		Dark brown black fine sand and organic silt, moist, PID 0.4 to 0.2 , metal scrap, electronics, plastics, etc	E		
2'		Brown fine to med sand, little silt, trace gravel, moist, fill?			
4'		Tan fine to med sand, little silt, trace gravel, moist, native			
6'		Assumed bedrock at 4ft			
8'					
10'					
12'					
14'					

Notes:
1) Analtical Sample collected from 1 to 2 feet below ground surface @ 11:45
2)
3)

WATER SYMBOLS
▼ Groundwater
▽ Estimated Seasonal High Groundwater

7'
2.5'

BOULDER	CLASS
12" - 24"	A
24" - 36"	B
>36"	C

PROPORTIONS USED	
0-10%	Trace
10-20%	Little
20-35%	Some
35-50%	And

EXCAVATION EFFORT
E = Easy
M = Moderate
D = Difficult

TEST PIT LOG

Engineering a Sustainable Future

PROJECT
Lavoie Property
640 Hillside Ave, Berlin, New Hampshire
Project No. 70705.00

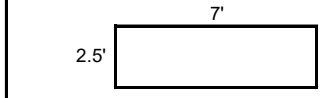
TEST PIT NO.	TP-3
SHEET	1 of 1
FILE NO.	70705.00
CHKD BY	TA

Engineer	J.Stewart	Make	John Deere	Ground El.	NA
Contractor	ACCUWORX	Model	50g	Datum	NA
Operator	J. Guarino	Capacity	0.16 yd^3	Time Start	12:10
Weather	80's sunny	Reach	18.2'	Date	7/16/2018

Depth Below Grade (in)	Strata Change	Subsurface Description	Excavation Effort	Boulder Qty/Class	Laboratory Testing Results
2'		Brown fine to med sand little silt some gravel pid 0.3	E	1/a	
4'		Tan fine to med sand little silt trace gravel moist, native	M	1/a 2/a	
6'		Assumed bedrock at 4ft			
8'					
10'					
12'					
14'					

Notes:
1) Analtical Sample collected from 2 to 4 feet below ground surface @ 12:10
2)
3)

WATER SYMBOLS
▼ Groundwater
▽ Estimated Seasonal High Groundwater



BOULDER	CLASS
12" - 24"	A
24" - 36"	B
>36"	C

PROPORTIONS USED	
0-10%	Trace
10-20%	Little
20-35%	Some
35-50%	And

EXCAVATION EFFORT
E = Easy
M = Moderate
D = Difficult

TEST PIT LOG

Engineering a Sustainable Future

PROJECT
Lavoie Property
640 Hillside Ave, Berlin, New Hampshire
Project No. 70705.00

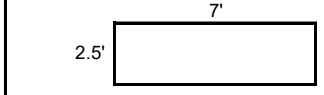
TEST PIT NO.	TP-4
SHEET	1 of 1
FILE NO.	70705.00
CHKD BY	TA

Engineer	J.Stewart	Make	John Deere	Ground El.	NA
Contractor	ACCUWORX	Model	50g	Datum	NA
Operator	Justin	Capacity	0.16 yd^3	Time Start	12:35
Weather	80's sunny	Reach	18.2'	Date	7/16/2018

Depth Below Grade (in)	Strata Change	Subsurface Description	Excavation Effort	Boulder Qty/Class	Laboratory Testing Results
		Dark Brown fine to med sand, little silt, some gravel, PID 0.3	E		
2'		Brown fine to med sand, little silt, some gravel, moist	E		
		Tan fine to med sand, little silt, trace gravel, moist, native	M	3/a	
4'		Same as above with many cobbles	M	6/a	
			M	3/a	
6'		End at 5ft on assumed bedrock			
8'					
10'					
12'					
14'					

Notes:
1) Analtical Sample collected from 2 to 3 feet below ground surface @ 12:35
2)
3)

WATER SYMBOLS
▼ Groundwater
▽ Estimated Seasonal High Groundwater



BOULDER	CLASS
12" - 24"	A
24" - 36"	B
>36"	C

PROPORTIONS USED	
0-10%	Trace
10-20%	Little
20-35%	Some
35-50%	And

EXCAVATION EFFORT
E = Easy
M = Moderate
D = Difficult

TEST PIT LOG

Nobis
Engineering a Sustainable Future

PROJECT
Lavoie Property
640 Hillside Ave, Berlin, New Hampshire
Project No. 70705.00

TEST PIT NO.	TP-5
SHEET	1 of 1
FILE NO.	70705.00
CHKD BY	TA

Engineer	J.Stewart	Make	John Deere	Ground El.	NA
Contractor	ACCUWORX	Model	50g	Datum	NA
Operator	J. Guarino	Capacity	0.16 yd^3	Time Start	13:00
Weather	80's sunny	Reach	18.2'	Date	7/16/2018

Depth Below Grade (in)	Strata Change	Subsurface Description	Excavation Effort	Boulder Qty/Class	Laboratory Testing Results
2'		Dark Brown fine to med sand, little silt and gravel, metal scraps and debris, PID 0.3	M	2/a	
		Brown fine to med sand, little silt, some gravel, moist	M	2/a 1/b	
4'		Tan fine to med sand, little silt, little gravel, moist, native	M	3/a	
		Same as above with many cobbles	M	6/a	
6'			M	3/a	
		End at 5ft on assumed bedrock			
8'					
10'					
12'					
14'					

Notes:
1) Analtical Sample collected from 1 to 3 feet below ground surface @ 13:00
2)
3)

WATER SYMBOLS
▼ Groundwater
▽ Estimated Seasonal High Groundwater

7' × 2.5'

BOULDER	CLASS
12" - 24"	A
24" - 36"	B
>36"	C

PROPORTIONS USED	
0-10%	Trace
10-20%	Little
20-35%	Some
35-50%	And

EXCAVATION EFFORT
E = Easy
M = Moderate
D = Difficult

TEST PIT LOG

Nobis
Engineering a Sustainable Future

PROJECT
Lavoie Property
640 Hillside Ave, Berlin, New Hampshire
Project No. 70705.00

TEST PIT NO.	TP-6
SHEET	1 of 1
FILE NO.	70705.00
CHKD BY	TA

Engineer	J.Stewart	Make	John Deere	Ground El.	NA
Contractor	ACCUWORX	Model	50g	Datum	NA
Operator	J. Guarino	Capacity	0.16 yd^3	Time Start	12:25
Weather	80's sunny	Reach	18.2'	Date	7/16/2018

Depth Below Grade (in)	Strata Change	Subsurface Description	Excavation Effort	Boulder Qty/Class	Laboratory Testing Results
2'		Dark Brown fine to med sand, little silt, some gravel, PID 0.4	E		
4'		Brown fine to med sand, little silt, little gravel, moist		2/a	
6'		Tan fine to med sand, little silt, trace gravel, moist, native		2/a	
8'		Assumed bedrock at 3ft			
10'					
12'					
14'					

Notes:
1) No Analytical Sample collected.
2)
3)

WATER SYMBOLS
▼ Groundwater
▽ Estimated Seasonal High Groundwater

7'
2.5'

BOULDER	CLASS
12" - 24"	A
24" - 36"	B
>36"	C

PROPORTIONS USED
0-10% Trace
10-20% Little
20-35% Some
35-50% And

EXCAVATION EFFORT
E = Easy
M = Moderate
D = Difficult

TEST PIT LOG

Engineering a Sustainable Future

PROJECT
Lavoie Property
640 Hillside Ave, Berlin, New Hampshire
Project No. 70705.00

TEST PIT NO.	TP-7
SHEET	1 of 1
FILE NO.	70705.00
CHKD BY	TA

Engineer	J.Stewart	Make	John Deere	Ground El.	NA
Contractor	ACCUWORX	Model	50g	Datum	NA
Operator	J. Guarino	Capacity	0.16 yd^3	Time Start	14:25
Weather	80's sunny	Reach	18.2'	Date	7/16/2018

Depth Below Grade (in)	Strata Change	Subsurface Description	Excavation Effort	Boulder Qty/Class	Laboratory Testing Results
		Light brown fine to med sand, little silt, some gravel, dry, few scraps of plastic at surface	E	2/a	
2'		Tan fine to med sand, little silt, little gravel moist, native	M	2/a	
4'			M	3/a	
6'					
8'					
10'					
12'					
14'					

Notes:
1) No Analytical Sample collected.
2)
3)

WATER SYMBOLS
▼ Groundwater
▽ Estimated Seasonal High Groundwater

7' × 2.5'

BOULDER	CLASS
12" - 24"	A
24" - 36"	B
>36"	C

PROPORTIONS USED
0-10% Trace
10-20% Little
20-35% Some
35-50% And

EXCAVATION EFFORT
E = Easy
M = Moderate
D = Difficult

TEST PIT LOG

Nobis
Engineering a Sustainable Future

PROJECT
Lavoie Property
640 Hillside Ave, Berlin, New Hampshire
Project No. 70705.00

TEST PIT NO.	TP-8
SHEET	1 of 1
FILE NO.	70705.00
CHKD BY	TA

Engineer	J.Stewart	Make	John Deere	Ground El.	NA
Contractor	ACCUWORX	Model	50g	Datum	NA
Operator	J. Guarino	Capacity	0.16 yd^3	Time Start	14:40
Weather	80's sunny	Reach	18.2'	Date	7/16/2018

Depth Below Grade (in)	Strata Change	Subsurface Description	Excavation Effort	Boulder Qty/Class	Laboratory Testing Results
		Brown fine to coarse sand and fine gravel over dark brown fine to med sand, little silt, trace gravel.	E		
2'		Gray ash material, encounter big rock	E	1/C	
4'		Brown fine to med sand some gravrl little silt moist	M		
6'		Tan fine to med sand, little silt			
8'		End at 5.5ft on assumed bedrock			
10'					
12'					
14'					

Notes:
1) No Analytical Sample collected.
2)
3)

WATER SYMBOLS
▼ Groundwater
▽ Estimated Seasonal High Groundwater

7' × 2.5' [ ]

BOULDER	CLASS
12" - 24"	A
24" - 36"	B
>36"	C

PROPORTIONS USED	
0-10%	Trace
10-20%	Little
20-35%	Some
35-50%	And

EXCAVATION EFFORT
E = Easy
M = Moderate
D = Difficult

TEST PIT LOG

Nobis
Engineering a Sustainable Future

PROJECT
Lavoie Property
640 Hillside Ave, Berlin, New Hampshire
Project No. 70705.00

TEST PIT NO.	TP-9
SHEET	1 of 1
FILE NO.	70705.00
CHKD BY	TA

Engineer	J.Stewart	Make	John Deere	Ground El.	NA
Contractor	ACCUWORX	Model	50g	Datum	NA
Operator	J. Guarino	Capacity	0.16 yd^3	Time Start	15:00
Weather	80's sunny	Reach	18.2'	Date	7/16/2018

Depth Below Grade (in)	Strata Change	Subsurface Description	Excavation Effort	Boulder Qty/Class	Laboratory Testing Results
2'		Brown fine to med sand, little silt, some gravel, dry	E	2/a	
			E	1/b 2/a	
4'		Tan fine to med sand, little silt, little gravel, moist	M		
6'		End at 5ft on assumed bedrock			
8'					
10'					
12'					
14'					

Notes:
1) No Analytical Sample collected.
2)
3)

WATER SYMBOLS
▼ Groundwater
▽ Estimated Seasonal High Groundwater

7'
2.5'

BOULDER	CLASS
12" - 24"	A
24" - 36"	B
>36"	C

PROPORTIONS USED	
0-10%	Trace
10-20%	Little
20-35%	Some
35-50%	And

EXCAVATION EFFORT
E = Easy
M = Moderate
D = Difficult

TEST PIT LOG

Engineering a Sustainable Future

PROJECT
Lavoie Property
640 Hillside Ave, Berlin, New Hampshire
Project No. 70705.00

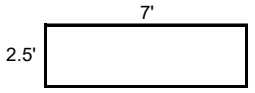
TEST PIT NO.	TP-10
SHEET	1 of 1
FILE NO.	70705.00
CHKD BY	TA

Engineer	J.Stewart	Make	John Deere	Ground El.	NA
Contractor	ACCUWORX	Model	50g	Datum	NA
Operator	J. Guarino	Capacity	0.16 yd^3	Time Start	15:25
Weather	80's sunny	Reach	18.2'	Date	7/16/2018

Depth Below Grade (in)	Strata Change	Subsurface Description	Excavation Effort	Boulder Qty/Class	Laboratory Testing Results
		Dark Brown fine to med sand, little silt, some gravel, moist. Some debris in first 6in	E	2/a	
2'		Tan fine to med sand, little silt and gravel, moist, native.	M	2/a	
4'			M	1/b 2/a	
6'		End at 6 ft. In native soil	M	1/b	
8'					
10'					
12'					
14'					

Notes:
1) No Analytical Sample collected.
2)
3)

WATER SYMBOLS
▼ Groundwater
▽ Estimated Seasonal High Groundwater



BOULDER	CLASS
12" - 24"	A
24" - 36"	B
>36"	C

PROPORTIONS USED	
0-10%	Trace
10-20%	Little
20-35%	Some
35-50%	And

EXCAVATION EFFORT
E = Easy
M = Moderate
D = Difficult

APPENDIX C

FIELD PROCEDURES

Test Pits

The test pits were performed using a mini excavator to excavate through overburden material to refusal or maximum reach of the equipment. Test pits were terminated based on field observations, at a predetermined depth, and/or at the bedrock surface. Soil samples were obtained directly from the excavator bucket samplers using a new disposable plastic syringe and/or new nitrile disposable gloves. Soil samples were placed in resealable plastic bags for headspace screening methods and appropriate laboratory supplied containers for analytical samples.

Field Soil Sample Collection and Total Organic Vapor Screening

Soil samples were collected directly from stainless steel hand augers or hand shovels using a new disposable plastic syringe and/or new nitrile disposable gloves and placed in resealable bags or appropriate laboratory supplied containers. Each soil sample selected for screening was allowed to sit undisturbed for a select period of time (pending weather conditions) before TOV screening was completed. TOV field screening of soil samples was completed using a MiniRae Model 3000 Photoionization Detector (PID) equipped with a 10.6 electron volt (eV) lamp. The PID was calibrated to an isobutylene-in-air span gas and set to applicable response factors of 0.54 parts per million by volume (ppmv) for benzene and 0.43 ppmv for trichloroethylene (TCE).

APPENDIX D

DISCUSSION OF QUALITY ASSURANCE AND QUALITY CONTROL

Nobis Group® (Nobis) provides this summary of quality assurance and quality control considerations regarding field activities and laboratory analyses related to the Phase II Environmental Site Assessment performed at the Lavoie Property in Berlin, New Hampshire, as presented in this report.

FIELD QUALITY CONTROL – SOIL AND GROUNDWATER SAMPLES

Field Equipment Blanks

Nobis prepared and submitted to the New Hampshire Department of Environmental Services (NHDES) and United States Environmental Protection Agency (USEPA) a Field Task Work Plan (FTWP) and Site-Specific Quality Assurance Project Plan Addendum (SSQAPPA), which described the quality control (QC) and quality assurance (QA) protocols and other technical procedures followed during implementation of the work to ensure that the results meet the stated performance criteria. The FTWP/SSQAPPA was based on Nobis' Generic Quality Assurance Project Plan (Generic QAPP), Revision 3 (RFA #16002) as approved by USEPA on January 27, 2017 and NHDES on April 21, 2017, and refers to standard operating procedures for Nobis and Nobis' subcontractors.

In accordance with the approved FTWP/SSQAPPA, soil equipment blanks were not submitted during the study since disposable sampling equipment was utilized for sample collection. The soil samples were collected directly from excavation spoils or from surface soils with disposable plastic syringes or transferred into appropriate sample jars using disposable plastic scoop.

Trip Blank

Eastern Analytical, Inc. (Eastern) supplied trip blank samples, which accompanied the soil samples. The trip blanks were submitted for volatile organic compound (VOCs) analysis per EPA Method 8260C. The soil sample trip blank vial contained methanol as used to preserve soil samples per EPA Method 5035. An extract was taken from the methanol and analyzed for VOCs in soil. No VOCs were detected in the trip blank sample.

Duplicate Samples

Duplicate analyses for VOCs, total petroleum hydrocarbons (TPH) diesel-range organics (DRO) and polycyclic aromatic hydrocarbons (PAHs) were performed on two (2) soil samples (SS-15 and

TP-05). Duplicate analyses for polychlorinated biphenyls (PCBs) were performed on four (4) soil samples (SS-15, TP-05, S7-5, and S7-9) and one (1) concrete sample (CS-1). Duplicate analyses for metals were performed on four (4) soil samples (SS-15, TP-05, M-5, and M-7). The relative percent difference (RPD) calculations (where possible) are discussed per matrix.

The RPD calculation used is:

$$RPD = \frac{\text{Sample Concentration} - \text{Duplicate Concentration}}{\text{Mean Concentration}} \times 100\%$$

If a compound was not detected above the laboratory detection limit in one (1) of the samples, half of the detection limit was used in the calculation.

Soil Samples

Analytical results for TPH-DRO in the SS-15 and TP-05 parent samples and associated duplicate samples SS-15 FD and TP-05 FD indicated the following detections:

Compound	Sample (mg/kg)	Duplicate (mg/kg)	RPD (%)
TPH - DRO	SS-15 (92) TP-05 (59)	SS-15 FD (2,600) TP-05 FD (91)	186 43

Analytical results for PAHs in the SS-15 and TP-05 parent samples and associated duplicate samples SS-15 FD and TP-05 FD indicated the following detections:

Compound	Sample (mg/kg)	Duplicate (mg/kg)	RPD (%)
Acenaphthylene	TP-05 (<0.09)	TP-05 FD (0.083)	59
Acenaphthene	SS-15 (0.09) TP-05 (<0.10)	SS-15 FD (<1) TP-05 FD (0.083)	139 50
Fluorene	SS-15 (0.11)	SS-15 FD (<1)	128
Anthracene	SS-15 (0.12)	SS-15 FD (<1)	123
Phenanthrene	SS-15 (1.3) TP-05 (0.13)	SS-15 FD (2.5) TP-05 FD (0.19)	63 38

Pyrene	SS-15 (1.1) TP-05 (0.29)	SS-15 FD (2.8) TP-05 FD (0.38)	87 27
Benzo[a]anthracene	SS-15 (0.51) TP-05 (0.15)	SS-15 FD (1.5) TP-05 FD (0.19)	99 24
Chrysene	SS-15 (0.85) TP-05 (0.19)	SS-15 FD (1.7) TP-05 FD (0.25)	67 27
Benzo[b]fluoranthene	SS-15 (1.4) TP-05 (0.23)	SS-15 FD (2) TP-05 FD (0.32)	35 33
Benzo[k]fluoranthene	SS-15 (0.49) TP-05 (0.085)	SS-15 FD (<1) TP-05 FD (0.11)	2 26
Benzo[a]pyrene	SS-15 (0.60) TP-05 (0.15)	SS-15 FD (1.3) TP-05 FD (0.21)	74 33
Benzo[g,h,i]perylene	SS-15 (0.21) TP-05 (0.082)	SS-15 FD (1.1) TP-05 FD (0.087)	136 6
Indeno[1,2,3-cd]pyrene	SS-15 (0.23) TP-05 (0.096)	SS-15 FD (1.2) TP-05 FD (0.1)	136 4
Fluoranthene	SS-15 (1.7) TP-05 (0.35)	SS-15 FD (3.5) TP-05 FD (0.46)	69 27

*If a compound was not detected in one sample, half the detection limit was used for the calculation of RPD.

Analytical results for PCBs in the SS-15, S7-5, S7-9, and TP-05 parent samples and associated duplicate samples SS-15 FD, S7-FDUP5, S7-FDUP9, and TP-05 FD indicated the following detections:

Compound	Sample (mg/kg)	Duplicate (mg/kg)	RPD (%)
Aroclor-1254	SS-15 (0.20) S7-5 (0.21) TP-05 (0.025)	SS-15 FD (<0.02) S7-FDUP5 (<0.02) TP-05 FD (0.021)	181 182 17
Aroclor-1260	SS-15 (0.12)	SS-15 FD (0.32)	91

Compound	Sample (mg/kg)	Duplicate (mg/kg)	RPD (%)
Aroclor-1260	S7-5 (0.22)	S7-FDUP5 (0.59)	91
	S7-9 (1.4)	S7-FDUP9 (1.6)	13
	TP-05 (0.033)	TP-05 FD (0.032)	3
Aroclor-1268	SS-15 (0.08)	SS-15 FD (0.25)	103
	S7-5 (0.076)	S7-FDUP5 (<0.02)	153
Total PCBs	SS-15 (0.40)	SS-15 FD (0.57)	35
	S7-5 (0.506)	S7-FDUP5 (0.59)	15
	S7-9 (1.4)	S7-FDUP9 (1.6)	13
	TP-05 (0.058)	TP-05 FD (0.053)	9

*If a compound was not detected in one sample, half the detection limit was used for the calculation of RPD.

Analytical results for metals in the SS-15, M-5, M-7, and TP-05 parent samples and associated duplicate samples SS-15 FD, M-FDUP5, M-FDUP7, and TP-05 FD indicated the following detections:

Compound	Sample (mg/kg)	Duplicate (mg/kg)	RPD (%)
Antimony	SS-15 (8.3)	SS-15 FD (12)	36
	M-5 (6.1)	M-FDUP5 (3.1)	65
	M-7 (12)	M-FDUP7 (16)	29
	TP-05 (1.4)	TP-05 FD (7.4)	136
Arsenic	SS-15 (12)	SS-15 FD (13)	8
	M-5 (12)	M-FDUP5 (13)	8
	M-7 (6.0)	M-FDUP7 (8.0)	29
	TP-05 (4.5)	TP-05 FD (5.8)	25
Beryllium	SS-15 (<0.5)	SS-15 FD (0.66)	90
	M-5 (<0.5)	M-FDUP5 (0.62)	85
	TP-05 (0.76)	TP-05 FD (0.63)	19
Cadmium	SS-15 (4.0)	SS-15 FD (9.9)	85

Compound	Sample (mg/kg)	Duplicate (mg/kg)	RPD (%)
Cadmium	M-5 (78)	M-FDUP5 (15)	135
	M-7 (7.8)	M-FDUP7 (10)	25
	TP-05 (2.3)	TP-05 FD (3.8)	49
Chromium	SS-15 (40)	SS-15 FD (59)	38
	M-5 (51)	M-FDUP5 (75)	38
	M-7 (24)	M-FDUP7 (53)	75
	TP-05 (20)	TP-05 FD (22)	10
Copper	SS-15 (480)	SS-15 FD (4300)	160
	M-5 (4100)	M-FDUP5 (2400)	52
	M-7 (3600)	M-FDUP7 (6400)	56
	TP-05 (900)	TP-05 FD (2500)	94
Lead	SS-15 (450)	SS-15 FD (1100)	84
	M-5 (1200)	M-FDUP5 (590)	68
	M-7 (880)	M-FDUP7 (920)	4
	TP-05 (200)	TP-05 FD (870)	125
Mercury	SS-15 (1.2)	SS-15 FD (0.90)	29
	M-5 (1.1)	M-FDUP5 (0.58)	62
	M-7 (0.63)	M-FDUP7 (0.82)	26
	TP-05 (0.15)	TP-05 FD (0.2)	29
Nickel	SS-15 (43)	SS-15 FD (42)	2
	M-5 (160)	M-FDUP5 (250)	44
	M-7 (44)	M-FDUP7 (33)	29
	TP-05 (13)	TP-05 FD (17)	27
Selenium	SS-15 (1.2)	SS-15 FD (1.3)	8
	TP-05 (2)	TP-05 FD (1.3)	42
Silver	SS-15 (2.2)	SS-15 FD (1.7)	25
	M-5 (2.1)	M-FDUP5 (2.5)	17
	M-7 (0.95)	M-FDUP7 (1.4)	38

Compound	Sample (mg/kg)	Duplicate (mg/kg)	RPD (%)
Silver	TP-05 (<0.5)	TP-05 FD (0.68)	92
Thallium	SS-15 (0.32)	SS-15 FD (<0.5)	25
Zinc	SS-15 (4.2)	SS-15 FD (890)	198
	M-5 (1600)	M-FDUP5 (1300)	21
	M-7 (660)	M-FDUP7 (790)	18
	TP-05 (180)	TP-05 FD (270)	40

*If a compound was not detected in one sample, half the detection limit was used for the calculation of RPD.

Analytical results for VOCs in the SS-15 and TP-05 parent samples and associated duplicate samples SS-15 FD and TP-05 FD indicated that no compounds were detected; the RPDs were not calculated for these analyses.

A number of the RPDs calculated for soil analytical results exceed the 50% limit that is considered acceptable. Although RPD values for soil analyses are outside the acceptable range, these RPDs are consistent with sample heterogeneity. Based on the low-level detections observed, the results do not impact the outcome or validity of the findings and recommendation based on the data.

Concrete Samples

Analytical results for PCBs in the CS-1 parent sample and associated duplicate sample CS-FD01 indicated that no parameters were detected; the RPDs were not calculated for these analyses.

SUMMARY OF DATA VALIDATION

Based on the data collected, it is Nobis' opinion the data is useable to meet site data quality objectives. The analytical laboratories provided data to assist Nobis and NHDES to assess the laboratory quality control for the laboratory analyses performed per matrix. Nobis reviewed the laboratory analytical data provided by Eastern Analytical, Inc., including laboratory surrogate recoveries and acceptance limits, and the laboratory narratives, and found it to be complete and useable by Nobis for the sampling work. In accordance with the FTWP/SSQAPP, data validation was limited to a completeness check for the data, an assessment of relative percent differences for duplicate samples and a review of the laboratory quality control data, as described.

APPENDIX E

Eastern Analytical, Inc.

professional laboratory and drilling services

Tim Andrews
Nobis Group
18 Chenell Drive
Concord , NH 03301

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 183804
Client Identification: Lavoie Property | 70705.00
Date Received: 7/5/2018

Dear Mr. Andrews :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.easternanalytical.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
< : "less than" followed by the reporting limit
> : "greater than" followed by the reporting limit
%R : % Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269), Vermont (VT1012) and New York (12072).

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample (s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director | 7-12-18 Date | 20 # of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

EAI ID#: **183804**

Client: **Nobis Group**

Client Designation: **Lavoie Property | 70705.00**

Temperature upon receipt (°C): 0.1 **Received on ice or cold packs (Yes/No): Y**

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
183804.01	Trip Blank	7/5/18	7/3/18	soil	100.0	Adheres to Sample Acceptance Policy
183804.02	SS-01	7/5/18	7/3/18	soil	76.4	Adheres to Sample Acceptance Policy
183804.03	SS-02	7/5/18	7/3/18	soil	75.5	Adheres to Sample Acceptance Policy
183804.04	SS-03	7/5/18	7/3/18	soil	84.8	Adheres to Sample Acceptance Policy
183804.05	SS-04	7/5/18	7/3/18	soil	65.1	Adheres to Sample Acceptance Policy
183804.06	SS-05	7/5/18	7/3/18	soil	95.1	Adheres to Sample Acceptance Policy
183804.07	SS-06	7/5/18	7/3/18	soil	69.1	Adheres to Sample Acceptance Policy
183804.08	SS-07	7/5/18	7/3/18	soil	70.3	Adheres to Sample Acceptance Policy
183804.09	SS-08	7/5/18	7/3/18	soil	91.2	Adheres to Sample Acceptance Policy
183804.1	SS-09	7/5/18	7/3/18	soil	75.0	Adheres to Sample Acceptance Policy
183804.11	SS-10	7/5/18	7/3/18	soil	84.2	Adheres to Sample Acceptance Policy
183804.12	SS-11	7/5/18	7/3/18	soil	68.4	Adheres to Sample Acceptance Policy
183804.13	SS-12	7/5/18	7/3/18	soil	64.2	Adheres to Sample Acceptance Policy
183804.14	SS-13	7/5/18	7/3/18	soil	74.9	Adheres to Sample Acceptance Policy
183804.15	SS-14	7/5/18	7/3/18	soil	85.9	Adheres to Sample Acceptance Policy
183804.16	SS-15	7/5/18	7/3/18	soil	84.2	Adheres to Sample Acceptance Policy
183804.17	SS-06-FD	7/5/18	7/3/18	soil	66.4	Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitability, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.
Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.

All results contained in this report relate only to the above listed samples.

References include:

1) EPA 600/4-79-020, 1983
2) Standard Methods for Examination of Water and Wastewater,20th Edition, 1998 and 22nd Edition, 2012
3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
4) Hach Water Analysis Handbook, 2nd edition, 1992

LABORATORY REPORT

EAI ID#: **183804**

Client: **Nobis Group**

Client Designation: **Lavoie Property | 70705.00**

Sample ID:	Trip Blank	SS-01	SS-02	SS-03	SS-04	SS-05	SS-06
Lab Sample ID:	183804.01	183804.02	183804.03	183804.04	183804.05	183804.06	183804.07
Matrix:	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18
Date Received:	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	7/10/18	7/11/18	7/11/18	7/9/18	7/9/18	7/9/18	7/9/18
Analyst:	BAM	BAM	BAM	BAM	BAM	BAM	BAM
Method:	8260C	8260C	8260C	8260C	8260C	8260C	8260C
Dilution Factor:	1	2	2	2	3	1	2
Dichlorodifluoromethane	< 0.1	< 0.2	< 0.2	< 0.2	< 0.3	< 0.1	< 0.2
Chloromethane	< 0.1	< 0.2	< 0.2	< 0.2	< 0.3	< 0.1	< 0.2
Vinyl chloride	< 0.1	< 0.2	< 0.2	< 0.2	< 0.3	< 0.1	< 0.2
Bromomethane	< 0.2	< 0.4	< 0.4	< 0.3	< 0.6	< 0.2	< 0.4
Chloroethane	< 0.1	< 0.2	< 0.2	< 0.2	< 0.3	< 0.1	< 0.2
Trichlorofluoromethane	< 0.1	< 0.2	< 0.2	< 0.2	< 0.3	**6.5**	< 0.2
Diethyl Ether	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
Acetone	< 2	< 4	< 4	< 3	< 6	< 2	< 4
1,1-Dichloroethene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
tert-Butyl Alcohol (TBA)	< 2	< 4	< 4	< 3	< 6	< 2	< 4
Methylene chloride	< 0.1	< 0.2	< 0.2	< 0.2	< 0.3	< 0.1	< 0.2
Carbon disulfide	< 0.1	< 0.2	< 0.2	< 0.2	< 0.3	< 0.1	< 0.2
Methyl-t-butyl ether(MTBE)	< 0.1	< 0.2	< 0.2	< 0.2	< 0.3	< 0.1	< 0.2
Ethyl-t-butyl ether(ETBE)	< 0.1	< 0.2	< 0.2	< 0.2	< 0.3	< 0.1	< 0.2
Isopropyl ether(DIPE)	< 0.1	< 0.2	< 0.2	< 0.2	< 0.3	< 0.1	< 0.2
tert-amyl methyl ether(TAME)	< 0.1	< 0.2	< 0.2	< 0.2	< 0.3	< 0.1	< 0.2
trans-1,2-Dichloroethene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
1,1-Dichloroethane	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
2,2-Dichloropropane	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
cis-1,2-Dichloroethene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
2-Butanone(MEK)	< 0.5	< 1	< 1	< 0.8	< 1	< 0.6	< 1
Bromochloromethane	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
Tetrahydrofuran(THF)	< 0.5	< 1	< 1	< 0.8	< 1	< 0.6	< 1
Chloroform	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
1,1,1-Trichloroethane	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
Carbon tetrachloride	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
1,1-Dichloropropene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
Benzene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
1,2-Dichloroethane	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
Trichloroethene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
1,2-Dichloropropane	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
Dibromomethane	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
Bromodichloromethane	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
1,4-Dioxane	< 3	< 7	< 6	< 5	< 9	< 4	< 6
4-Methyl-2-pentanone(MIBK)	< 0.5	< 1	< 1	< 0.8	< 1	< 0.6	< 1
cis-1,3-Dichloropropene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
Toluene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
trans-1,3-Dichloropropene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
1,1,2-Trichloroethane	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
2-Hexanone	< 0.1	< 0.2	< 0.2	< 0.2	< 0.3	< 0.1	< 0.2
Tetrachloroethene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
1,3-Dichloropropane	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
Dibromochloromethane	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
1,2-Dibromoethane(EDB)	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
Chlorobenzene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
1,1,1,2-Tetrachloroethane	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
Ethylbenzene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1

LABORATORY REPORT

EAI ID#: **183804**

Client: **Nobis Group**

Client Designation: **Lavoie Property | 70705.00**

Sample ID:	Trip Blank	SS-01	SS-02	SS-03	SS-04	SS-05	SS-06
Lab Sample ID:	183804.01	183804.02	183804.03	183804.04	183804.05	183804.06	183804.07
Matrix:	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18
Date Received:	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	7/10/18	7/11/18	7/11/18	7/9/18	7/9/18	7/9/18	7/9/18
Analyst:	BAM	BAM	BAM	BAM	BAM	BAM	BAM
Method:	8260C	8260C	8260C	8260C	8260C	8260C	8260C
Dilution Factor:	1	2	2	2	3	1	2
mp-Xylene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
o-Xylene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
Styrene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
Bromoform	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
IsoPropylbenzene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
Bromobenzene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
1,1,2,2-Tetrachloroethane	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
1,2,3-Trichloropropane	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
n-Propylbenzene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
2-Chlorotoluene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
4-Chlorotoluene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
1,3,5-Trimethylbenzene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
tert-Butylbenzene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
1,2,4-Trimethylbenzene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
sec-Butylbenzene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
1,3-Dichlorobenzene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
p-Isopropyltoluene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
1,4-Dichlorobenzene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
1,2-Dichlorobenzene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
n-Butylbenzene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
1,2-Dibromo-3-chloropropane	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
1,3,5-Trichlorobenzene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
1,2,4-Trichlorobenzene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
Hexachlorobutadiene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
Naphthalene	< 0.1	< 0.2	< 0.2	< 0.2	< 0.3	< 0.1	< 0.2
1,2,3-Trichlorobenzene	< 0.05	< 0.1	< 0.1	< 0.08	< 0.1	< 0.06	< 0.1
4-Bromofluorobenzene (surr)	**94 %R**	**90 %R**	**93 %R**	**98 %R**	**98 %R**	**96 %R**	**97 %R**
1,2-Dichlorobenzene-d4 (surr)	**102 %R**	**103 %R**	**104 %R**	**99 %R**	**98 %R**	**97 %R**	**98 %R**
2,5-Dibromotoluene (surr)	**101 %R**	**74 %R**	**111 %R**	**63 %R**	**59 %R**	**14 %R**	**29 %R**
Toluene-d8 (surr)	**97 %R**	**98 %R**	**99 %R**	**101 %R**	**101 %R**	**101 %R**	**100 %R**
1,2-Dichloroethane-d4 (surr)	**97 %R**	**96 %R**	**93 %R**	**102 %R**	**103 %R**	**100 %R**	**102 %R**

SS-01, SS-02, SS-03, SS-04, SS-05, SS-06: Reporting limits are elevated due to the % solids content of the sample or the sample mass used for analysis

SS-05, SS-06: The surrogate 2,5-Dibromotoluene (surr) deviated outside the QC limits within the sample(s). The recovery of this surrogate is dependent on the quality of sample collection and/or matrix effect.

LABORATORY REPORT

EAI ID#: **183804**

Client: **Nobis Group**

Client Designation: **Lavoie Property | 70705.00**

Sample ID:	SS-07	SS-08	SS-09	SS-10	SS-11	SS-12	SS-13
Lab Sample ID:	183804.08	183804.09	183804.1	183804.11	183804.12	183804.13	183804.14
Matrix:	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18
Date Received:	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	7/11/18	7/11/18	7/11/18	7/11/18	7/11/18	7/11/18	7/11/18
Analyst:	BAM	BAM	BAM	BAM	BAM	BAM	BAM
Method:	8260C	8260C	8260C	8260C	8260C	8260C	8260C
Dilution Factor:	3	2	2	2	3	3	2
Dichlorodifluoromethane	< 0.3	< 0.2	< 0.2	< 0.2	< 0.3	< 0.3	< 0.2
Chloromethane	< 0.3	< 0.2	< 0.2	< 0.2	< 0.3	< 0.3	< 0.2
Vinyl chloride	< 0.3	< 0.2	< 0.2	< 0.2	< 0.3	< 0.3	< 0.2
Bromomethane	< 0.6	< 0.3	< 0.5	< 0.3	< 0.6	< 0.5	< 0.4
Chloroethane	< 0.3	< 0.2	< 0.2	< 0.2	< 0.3	< 0.3	< 0.2
Trichlorofluoromethane	< 0.3	< 0.2	**0.62**	< 0.2	< 0.3	< 0.3	< 0.2
Diethyl Ether	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
Acetone	< 6	< 3	< 5	< 3	< 6	< 5	< 4
1,1-Dichloroethene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
tert-Butyl Alcohol (TBA)	< 6	< 3	< 5	< 3	< 6	< 5	< 4
Methylene chloride	< 0.3	< 0.2	< 0.2	< 0.2	< 0.3	< 0.3	< 0.2
Carbon disulfide	< 0.3	< 0.2	< 0.2	< 0.2	< 0.3	< 0.3	< 0.2
Methyl-t-butyl ether(MTBE)	< 0.3	< 0.2	< 0.2	< 0.2	< 0.3	< 0.3	< 0.2
Ethyl-t-butyl ether(ETBE)	< 0.3	< 0.2	< 0.2	< 0.2	< 0.3	< 0.3	< 0.2
Isopropyl ether(DIPE)	< 0.3	< 0.2	< 0.2	< 0.2	< 0.3	< 0.3	< 0.2
tert-amyl methyl ether(TAME)	< 0.3	< 0.2	< 0.2	< 0.2	< 0.3	< 0.3	< 0.2
trans-1,2-Dichloroethene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
1,1-Dichloroethane	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
2,2-Dichloropropane	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
cis-1,2-Dichloroethene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
2-Butanone(MEK)	< 1	< 0.8	< 1	< 0.8	< 1	< 1	< 0.9
Bromochloromethane	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
Tetrahydrofuran(THF)	< 1	< 0.8	< 1	< 0.8	< 1	< 1	< 0.9
Chloroform	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
1,1,1-Trichloroethane	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
Carbon tetrachloride	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
1,1-Dichloropropene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
Benzene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
1,2-Dichloroethane	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
Trichloroethene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
1,2-Dichloropropane	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
Dibromomethane	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
Bromodichloromethane	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
1,4-Dioxane	< 8	< 5	< 7	< 5	< 9	< 8	< 5
4-Methyl-2-pentanone(MIBK)	< 1	< 0.8	< 1	< 0.8	< 1	< 1	< 0.9
cis-1,3-Dichloropropene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
Toluene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
trans-1,3-Dichloropropene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
1,1,2-Trichloroethane	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
2-Hexanone	< 0.3	< 0.2	< 0.2	< 0.2	< 0.3	< 0.3	< 0.2
Tetrachloroethene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
1,3-Dichloropropane	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
Dibromochloromethane	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
1,2-Dibromoethane(EDB)	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
Chlorobenzene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
1,1,1,2-Tetrachloroethane	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
Ethylbenzene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09

LABORATORY REPORT

EAI ID#: **183804**

Client: **Nobis Group**

Client Designation: **Lavoie Property | 70705.00**

Sample ID:	SS-07	SS-08	SS-09	SS-10	SS-11	SS-12	SS-13
Lab Sample ID:	183804.08	183804.09	183804.1	183804.11	183804.12	183804.13	183804.14
Matrix:	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18
Date Received:	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	7/11/18	7/11/18	7/11/18	7/11/18	7/11/18	7/11/18	7/11/18
Analyst:	BAM	BAM	BAM	BAM	BAM	BAM	BAM
Method:	8260C	8260C	8260C	8260C	8260C	8260C	8260C
Dilution Factor:	3	2	2	2	3	3	2
mp-Xylene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
o-Xylene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
Styrene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
Bromoform	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
IsoPropylbenzene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
Bromobenzene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
1,1,2,2-Tetrachloroethane	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
1,2,3-Trichloropropane	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
n-Propylbenzene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
2-Chlorotoluene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
4-Chlorotoluene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
1,3,5-Trimethylbenzene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
tert-Butylbenzene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
1,2,4-Trimethylbenzene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
sec-Butylbenzene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
1,3-Dichlorobenzene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
p-Isopropyltoluene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
1,4-Dichlorobenzene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
1,2-Dichlorobenzene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
n-Butylbenzene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
1,2-Dibromo-3-chloropropane	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
1,3,5-Trichlorobenzene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
1,2,4-Trichlorobenzene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
Hexachlorobutadiene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
Naphthalene	< 0.3	< 0.2	< 0.2	< 0.2	< 0.3	< 0.3	< 0.2
1,2,3-Trichlorobenzene	< 0.1	< 0.08	< 0.1	< 0.08	< 0.1	< 0.1	< 0.09
4-Bromofluorobenzene (surr)	**94 %R**	**90 %R**	**90 %R**	**94 %R**	**95 %R**	**91 %R**	**95 %R**
1,2-Dichlorobenzene-d4 (surr)	**103 %R**	**104 %R**	**100 %R**	**103 %R**	**104 %R**	**106 %R**	**104 %R**
2,5-Dibromotoluene (surr)	**100 %R**	**65 %R**	**51 %R**	**123 %R**	**69 %R**	**55 %R**	**38 %R**
Toluene-d8 (surr)	**99 %R**	**97 %R**	**97 %R**	**97 %R**	**99 %R**	**97 %R**	**99 %R**
1,2-Dichloroethane-d4 (surr)	**95 %R**	**95 %R**	**89 %R**	**99 %R**	**97 %R**	**97 %R**	**100 %R**

Reporting limits are elevated due to the % solids content of the sample or the sample mass used for analysis.

SS-13: The surrogate 2,5-Dibromotoluene (surr) deviated outside the QC limits within the sample(s). The recovery of this surrogate is dependent on the quality of sample collection and/or matrix effect.

LABORATORY REPORT

EAI ID#: **183804**

Client: **Nobis Group**

Client Designation: **Lavoie Property | 70705.00**

Sample ID:	SS-14	SS-15	SS-06-FD
Lab Sample ID:	183804.15	183804.16	183804.17
Matrix:	soil	soil	soil
Date Sampled:	7/3/18	7/3/18	7/3/18
Date Received:	7/5/18	7/5/18	7/5/18
Units:	mg/kg	mg/kg	mg/kg
Date of Analysis:	7/11/18	7/11/18	7/11/18
Analyst:	BAM	BAM	BAM
Method:	8260C	8260C	8260C
Dilution Factor:	1	2	2
Dichlorodifluoromethane	< 0.1	< 0.2	< 0.2
Chloromethane	< 0.1	< 0.2	< 0.2
Vinyl chloride	< 0.1	< 0.2	< 0.2
Bromomethane	< 0.3	< 0.3	< 0.4
Chloroethane	< 0.1	< 0.2	< 0.2
Trichlorofluoromethane	< 0.1	< 0.2	< 0.2
Diethyl Ether	< 0.07	< 0.09	< 0.1
Acetone	< 3	< 3	< 4
1,1-Dichloroethene	< 0.07	< 0.09	< 0.1
tert-Butyl Alcohol (TBA)	< 3	< 3	< 4
Methylene chloride	< 0.1	< 0.2	< 0.2
Carbon disulfide	< 0.1	< 0.2	< 0.2
Methyl-t-butyl ether(MTBE)	< 0.1	< 0.2	< 0.2
Ethyl-t-butyl ether(ETBE)	< 0.1	< 0.2	< 0.2
Isopropyl ether(DIPE)	< 0.1	< 0.2	< 0.2
tert-amyl methyl ether(TAME)	< 0.1	< 0.2	< 0.2
trans-1,2-Dichloroethene	< 0.07	< 0.09	< 0.1
1,1-Dichloroethane	< 0.07	< 0.09	< 0.1
2,2-Dichloropropane	< 0.07	< 0.09	< 0.1
cis-1,2-Dichloroethene	< 0.07	< 0.09	< 0.1
2-Butanone(MEK)	< 0.7	< 0.9	< 1
Bromochloromethane	< 0.07	< 0.09	< 0.1
Tetrahydrofuran(THF)	< 0.7	< 0.9	< 1
Chloroform	< 0.07	< 0.09	< 0.1
1,1,1-Trichloroethane	< 0.07	< 0.09	< 0.1
Carbon tetrachloride	< 0.07	< 0.09	< 0.1
1,1-Dichloropropene	< 0.07	< 0.09	< 0.1
Benzene	< 0.07	< 0.09	< 0.1
1,2-Dichloroethane	< 0.07	< 0.09	< 0.1
Trichloroethene	< 0.07	< 0.09	< 0.1
1,2-Dichloropropane	< 0.07	< 0.09	< 0.1
Dibromomethane	< 0.07	< 0.09	< 0.1
Bromodichloromethane	< 0.07	< 0.09	< 0.1
1,4-Dioxane	< 4	< 5	< 7
4-Methyl-2-pentanone(MIBK)	< 0.7	< 0.9	< 1
cis-1,3-Dichloropropene	< 0.07	< 0.09	< 0.1
Toluene	< 0.07	< 0.09	< 0.1
trans-1,3-Dichloropropene	< 0.07	< 0.09	< 0.1
1,1,2-Trichloroethane	< 0.07	< 0.09	< 0.1
2-Hexanone	< 0.1	< 0.2	< 0.2
Tetrachloroethene	< 0.07	< 0.09	< 0.1
1,3-Dichloropropane	< 0.07	< 0.09	< 0.1
Dibromochloromethane	< 0.07	< 0.09	< 0.1
1,2-Dibromoethane(EDB)	< 0.07	< 0.09	< 0.1
Chlorobenzene	< 0.07	< 0.09	< 0.1
1,1,1,2-Tetrachloroethane	< 0.07	< 0.09	< 0.1
Ethylbenzene	< 0.07	< 0.09	< 0.1

LABORATORY REPORT

EAI ID#: **183804**

Client: **Nobis Group**

Client Designation: **Lavoie Property | 70705.00**

Sample ID:	SS-14	SS-15	SS-06-FD
Lab Sample ID:	183804.15	183804.16	183804.17
Matrix:	soil	soil	soil
Date Sampled:	7/3/18	7/3/18	7/3/18
Date Received:	7/5/18	7/5/18	7/5/18
Units:	mg/kg	mg/kg	mg/kg
Date of Analysis:	7/11/18	7/11/18	7/11/18
Analyst:	BAM	BAM	BAM
Method:	8260C	8260C	8260C
Dilution Factor:	1	2	2
mp-Xylene	< 0.07	< 0.09	< 0.1
o-Xylene	< 0.07	< 0.09	< 0.1
Styrene	< 0.07	< 0.09	< 0.1
Bromoform	< 0.07	< 0.09	< 0.1
IsoPropylbenzene	< 0.07	< 0.09	< 0.1
Bromobenzene	< 0.07	< 0.09	< 0.1
1,1,2,2-Tetrachloroethane	< 0.07	< 0.09	< 0.1
1,2,3-Trichloropropane	< 0.07	< 0.09	< 0.1
n-Propylbenzene	< 0.07	< 0.09	< 0.1
2-Chlorotoluene	< 0.07	< 0.09	< 0.1
4-Chlorotoluene	< 0.07	< 0.09	< 0.1
1,3,5-Trimethylbenzene	< 0.07	< 0.09	< 0.1
tert-Butylbenzene	< 0.07	< 0.09	< 0.1
1,2,4-Trimethylbenzene	< 0.07	< 0.09	< 0.1
sec-Butylbenzene	< 0.07	< 0.09	< 0.1
1,3-Dichlorobenzene	< 0.07	< 0.09	< 0.1
p-Isopropyltoluene	< 0.07	< 0.09	< 0.1
1,4-Dichlorobenzene	< 0.07	< 0.09	< 0.1
1,2-Dichlorobenzene	< 0.07	< 0.09	< 0.1
n-Butylbenzene	< 0.07	< 0.09	< 0.1
1,2-Dibromo-3-chloropropane	< 0.07	< 0.09	< 0.1
1,3,5-Trichlorobenzene	< 0.07	< 0.09	< 0.1
1,2,4-Trichlorobenzene	< 0.07	< 0.09	< 0.1
Hexachlorobutadiene	< 0.07	< 0.09	< 0.1
Naphthalene	< 0.1	< 0.2	< 0.2
1,2,3-Trichlorobenzene	< 0.07	< 0.09	< 0.1
4-Bromofluorobenzene (surr)	**93 %R**	**94 %R**	**91 %R**
1,2-Dichlorobenzene-d4 (surr)	**105 %R**	**103 %R**	**101 %R**
2,5-Dibromotoluene (surr)	**113 %R**	**51 %R**	**131 %R**
Toluene-d8 (surr)	**97 %R**	**98 %R**	**96 %R**
1,2-Dichloroethane-d4 (surr)	**99 %R**	**98 %R**	**94 %R**

SS-01, SS-02, SS-03, SS-04, SS-05, SS-06: Reporting limits are elevated due to the % solids content of the sample or the sample mass used for analysis.

LABORATORY REPORT

EAI ID#: **183804**

Client: **Nobis Group**

Client Designation: **Lavoie Property | 70705.00**

Sample ID:	SS-01	SS-02	SS-03	SS-04	SS-05	SS-06	SS-07
Lab Sample ID:	183804.02	183804.03	183804.04	183804.05	183804.06	183804.07	183804.08
Matrix:	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18
Date Received:	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	7/6/18	7/6/18	7/6/18	7/6/18	7/6/18	7/6/18	7/6/18
Date of Analysis:	7/9/18	7/9/18	7/9/18	7/9/18	7/10/18	7/10/18	7/10/18
Analyst:	JMR	JMR	JMR	JMR	JMR	JMR	JMR
Method:	8270D	8270D	8270D	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	1	2	52	14	71
Naphthalene	< 0.09	< 0.09	< 0.08	< 0.1	< 4	< 1	< 5
2-Methylnaphthalene	< 0.09	< 0.09	< 0.08	< 0.1	< 4	< 1	< 5
1-Methylnaphthalene	< 0.09	< 0.09	< 0.08	< 0.1	< 4	< 1	< 5
Acenaphthylene	< 0.09	**0.36**	**0.12**	< 0.1	< 4	< 1	< 5
Acenaphthene	< 0.09	< 0.09	< 0.08	< 0.1	< 4	< 1	< 5
Fluorene	< 0.09	< 0.09	< 0.08	< 0.1	< 4	< 1	< 5
Phenanthrene	**0.11**	**0.88**	**0.53**	**0.40**	< 4	< 1	< 5
Anthracene	< 0.09	**0.25**	**0.15**	< 0.1	< 4	< 1	< 5
Fluoranthene	**0.26**	**1.7**	**1.1**	**0.84**	< 4	< 1	**12**
Pyrene	**0.21**	**1.6**	**0.90**	**0.68**	< 4	< 1	**10**
Benzo[a]anthracene	**0.13**	**0.99**	**0.57**	**0.39**	< 4	< 1	**5.7**
Chrysene	**0.19**	**1.3**	**0.72**	**0.49**	< 4	< 1	**7**
Benzo[b]fluoranthene	**0.32**	**2.1**	**1.1**	**0.73**	< 4	< 1	**10**
Benzo[k]fluoranthene	**0.12**	**0.73**	**0.40**	**0.27**	< 4	< 1	< 5
Benzo[a]pyrene	**0.15**	**1.1**	**0.60**	**0.42**	< 4	< 1	**6.3**
Indeno[1,2,3-cd]pyrene	< 0.09	**0.34**	**0.18**	**0.12**	< 4	< 1	**5.8**
Dibenz[a,h]anthracene	< 0.09	< 0.09	< 0.08	< 0.1	< 4	< 1	< 5
Benzo[g,h,i]perylene	< 0.09	**0.31**	**0.14**	< 0.1	< 4	< 1	**5.9**
p-Terphenyl-D14 (surr)	**59 %R**	**64 %R**	**62 %R**	**57 %R**	**DOR**	**68 %R**	**DOR**

SS-04: Detection limits elevated due to low solids content.

SS-05, SS-06, SS-07: Detection limits elevated due to sample matrix causing internal standard and/or surrogate failure in undiluted analysis.

SS-05, SS-07: Detection limits also elevated due to higher than normal final extract volume.

DOR: Diluted out of range.

LABORATORY REPORT

EAI ID#: **183804**

Client: **Nobis Group**

Client Designation: **Lavoie Property | 70705.00**

Sample ID:	SS-08	SS-09	SS-10	SS-11	SS-12	SS-13	SS-14
Lab Sample ID:	183804.09	183804.1	183804.11	183804.12	183804.13	183804.14	183804.15
Matrix:	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18
Date Received:	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	7/6/18	7/6/18	7/6/18	7/6/18	7/6/18	7/6/18	7/6/18
Date of Analysis:	7/10/18	7/9/18	7/9/18	7/9/18	7/9/18	7/9/18	7/9/18
Analyst:	JMR	JMR	JMR	JMR	JMR	JMR	JMR
Method:	8270D	8270D	8270D	8270D	8270D	8270D	8270D
Dilution Factor:	11	1	1	1	2	1	1
Naphthalene	< 0.8	**0.15**	< 0.08	**0.21**	< 0.1	< 0.09	< 0.08
2-Methylnaphthalene	< 0.8	**0.11**	< 0.08	**0.74**	< 0.1	< 0.09	< 0.08
1-Methylnaphthalene	< 0.8	< 0.09	< 0.08	**0.50**	< 0.1	< 0.09	< 0.08
Acenaphthylene	< 0.8	< 0.09	**0.090**	**0.12**	< 0.1	< 0.09	< 0.08
Acenaphthene	< 0.8	**0.091**	< 0.08	**0.44**	< 0.1	< 0.09	< 0.08
Fluorene	< 0.8	**0.14**	< 0.08	**0.46**	< 0.1	< 0.09	< 0.08
Phenanthrene	< 0.8	**0.88**	**0.33**	**1.7**	**0.20**	**0.41**	< 0.08
Anthracene	< 0.8	**0.27**	< 0.08	**0.55**	< 0.1	**0.11**	< 0.08
Fluoranthene	< 0.8	**1.2**	**0.69**	**2.3**	**0.46**	**0.64**	**0.12**
Pyrene	< 0.8	**0.85**	**0.51**	**1.7**	**0.35**	**0.48**	**0.095**
Benzo[a]anthracene	< 0.8	**0.55**	**0.33**	**1.2**	**0.22**	**0.29**	< 0.08
Chrysene	< 0.8	**0.64**	**0.45**	**1.4**	**0.30**	**0.37**	< 0.08
Benzo[b]fluoranthene	< 0.8	**1.1**	**0.78**	**2.5**	**0.50**	**0.61**	**0.12**
Benzo[k]fluoranthene	< 0.8	**0.42**	**0.27**	**0.85**	**0.18**	**0.22**	< 0.08
Benzo[a]pyrene	< 0.8	**0.56**	**0.34**	**1.2**	**0.26**	**0.31**	< 0.08
Indeno[1,2,3-cd]pyrene	< 0.8	**0.20**	**0.13**	**0.52**	< 0.1	**0.12**	< 0.08
Dibenz[a,h]anthracene	< 0.8	< 0.09	< 0.08	**0.13**	< 0.1	< 0.09	< 0.08
Benzo[g,h,i]perylene	< 0.8	**0.19**	**0.12**	**0.48**	**0.17**	**0.12**	< 0.08
p-Terphenyl-D14 (surr)	**87 %R**	**53 %R**	**62 %R**	**48 %R**	**53 %R**	**51 %R**	**66 %R**

SS-08: Detection limits elevated due to sample matrix causing internal standard and/or surrogate failure in undiluted analysis.

SS-12: Detection limits elevated due to low solids content.

LABORATORY REPORT

EAI ID#: **183804**

Client: **Nobis Group**

Client Designation: **Lavoie Property | 70705.00**

Sample ID:	SS-15	SS-06-FD
Lab Sample ID:	183804.16	183804.17
Matrix:	soil	soil
Date Sampled:	7/3/18	7/3/18
Date Received:	7/5/18	7/5/18
Units:	mg/kg	mg/kg
Date of Extraction/Prep:	7/6/18	7/6/18
Date of Analysis:	7/9/18	7/10/18
Analyst:	JMR	JMR
Method:	8270D	8270D
Dilution Factor:	1	15
Naphthalene	< 0.08	< 1
2-Methylnaphthalene	< 0.08	< 1
1-Methylnaphthalene	< 0.08	< 1
Acenaphthylene	< 0.08	< 1
Acenaphthene	**0.090**	< 1
Fluorene	**0.11**	< 1
Phenanthrene	**1.3**	**2.5**
Anthracene	**0.12**	< 1
Fluoranthene	**1.7**	**3.5**
Pyrene	**1.1**	**2.8**
Benzo[a]anthracene	**0.51**	**1.5**
Chrysene	**0.85**	**1.7**
Benzo[b]fluoranthene	**1.4**	**2**
Benzo[k]fluoranthene	**0.49**	< 1
Benzo[a]pyrene	**0.60**	**1.3**
Indeno[1,2,3-cd]pyrene	**0.23**	**1.2**
Dibenz[a,h]anthracene	< 0.08	< 1
Benzo[g,h,i]perylene	**0.21**	**1.1**
p-Terphenyl-D14 (surr)	**71 %R**	**75 %R**

SS-06-FD: Detection limits elevated due to sample matrix causing internal standard and/or surrogate failure in undiluted analysis.

LABORATORY REPORT

EAI ID#: **183804**

Client: **Nobis Group**

Client Designation: **Lavoie Property | 70705.00**

Sample ID:	SS-01	SS-02	SS-03	SS-04	SS-05	SS-06	SS-07
Lab Sample ID:	183804.02	183804.03	183804.04	183804.05	183804.06	183804.07	183804.08
Matrix:	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18
Date Received:	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	7/6/18	7/6/18	7/6/18	7/6/18	7/6/18	7/6/18	7/6/18
Date of Analysis:	7/9/18	7/9/18	7/9/18	7/9/18	7/10/18	7/10/18	7/9/18
Analyst:	MA	MA	MA	MA	MA	MA	MA
Method:	8015CDRO	8015CDRO	8015CDRO	8015CDRO	8015CDRO	8015CDRO	8015CDRO
Dilution Factor:	1	1	1	2	104	14	7
DRO (Diesel Range C10-C28)	**490**	**300**	**110**	**140**	**20000**	**2300**	**1700**
p-Terphenyl-D14 (surr)	**97 %R**	**66 %R**	**60 %R**	**51 %R**	**DOR**	**DOR**	**MI**

DOR: Diluted out of range.
MI: Matrix Interference

LABORATORY REPORT

EAI ID#: **183804**

Client: **Nobis Group**

Client Designation: **Lavoie Property | 70705.00**

Sample ID:	SS-08	SS-09	SS-10	SS-11	SS-12	SS-13	SS-14
Lab Sample ID:	183804.09	183804.1	183804.11	183804.12	183804.13	183804.14	183804.15
Matrix:	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18
Date Received:	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	7/6/18	7/6/18	7/6/18	7/6/18	7/6/18	7/6/18	7/6/18
Date of Analysis:	7/9/18	7/9/18	7/9/18	7/9/18	7/9/18	7/9/18	7/9/18
Analyst:	MA	MA	MA	MA	MA	MA	MA
Method:	8015CDRO	8015CDRO	8015CDRO	8015CDRO	8015CDRO	8015CDRO	8015CDRO
Dilution Factor:	1	1	1	1	2	1	1
DRO (Diesel Range C10-C28)	**540**	**130**	**110**	**230**	**71**	**150**	**87**
p-Terphenyl-D14 (surr)	**76 %R**	**55 %R**	**71 %R**	**58 %R**	**61 %R**	**51 %R**	**98 %R**

LABORATORY REPORT

EAI ID#: **183804**

Client: **Nobis Group**

Client Designation: **Lavoie Property | 70705.00**

Sample ID:	SS-15	SS-06-FD
Lab Sample ID:	183804.16	183804.17
Matrix:	soil	soil
Date Sampled:	7/3/18	7/3/18
Date Received:	7/5/18	7/5/18
Units:	mg/kg	mg/kg
Date of Extraction/Prep:	7/6/18	7/6/18
Date of Analysis:	7/9/18	7/10/18
Analyst:	MA	MA
Method:	8015CDRO	8015CDRO
Dilution Factor:	1	15
DRO (Diesel Range C10-C28)	**92**	**2600**
p-Terphenyl-D14 (surr)	**74 %R**	**DOR**

DOR: Diluted out of range.

LABORATORY REPORT

EAI ID#: **183804**

Client: **Nobis Group**

Client Designation: **Lavoie Property | 70705.00**

Sample ID:	SS-01	SS-02	SS-03	SS-04	SS-05	SS-06	SS-07
Lab Sample ID:	183804.02	183804.03	183804.04	183804.05	183804.06	183804.07	183804.08
Matrix:	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18
Date Received:	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18
% Solid:	76.4	75.5	84.8	65.1	95.1	69.1	70.3
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18
Date of Analysis:	7/9/18	7/9/18	7/9/18	7/9/18	7/9/18	7/9/18	7/9/18
Analyst:	SG	SG	SG	SG	SG	SG	SG
Extraction Method:	3540C	3540C	3540C	3540C	3540C	3540C	3540C
Analysis Method:	8082A	8082A	8082A	8082A	8082A	8082A	8082A
Dilution Factor:	1	1	1	1	1	1	1
PCB-1016	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1221	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1232	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1242	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1248	< 0.02	< 0.02	**0.16**	< 0.02	**0.074**	< 0.02	< 0.02
PCB-1254	< 0.02	< 0.02	< 0.02	**0.12**	< 0.02	< 0.02	< 0.02
PCB-1260	< 0.02	**0.73**	**0.17**	**0.12**	**0.073**	**0.31**	**2.2**
PCB-1262	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1268	< 0.02	< 0.02	**0.11**	**0.067**	**0.059**	**0.27**	< 0.02
TMX (surr)	**93 %R**	**88 %R**	**97 %R**	**87 %R**	**74 %R**	**62 %R**	**84 %R**
DCB (surr)	**75 %R**	**97 %R**	**99 %R**	**75 %R**	**41 %R**	**72 %R**	**57 %R**

Acid clean-up was performed on the samples and associated batch QC.
SS-02: PCB-1260 result obtained from a 4X dilution analyzed on 7/10/2018.
SS-07: PCB-1260 result obtained from a 10X dilution analyzed on 7/10/2018.

LABORATORY REPORT

EAI ID#: **183804**

Client: **Nobis Group**

Client Designation: **Lavoie Property | 70705.00**

Sample ID:	SS-08	SS-09	SS-10	SS-11	SS-12	SS-13	SS-14
Lab Sample ID:	183804.09	183804.1	183804.11	183804.12	183804.13	183804.14	183804.15
Matrix:	soil	soil	soil	soil	soil	soil	soil
Date Sampled:	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18	7/3/18
Date Received:	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18
% Solid:	91.2	75	84.2	68.4	64.2	74.9	85.9
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18	7/5/18
Date of Analysis:	7/9/18	7/9/18	7/9/18	7/9/18	7/10/18	7/10/18	7/10/18
Analyst:	SG	SG	SG	SG	SG	SG	SG
Extraction Method:	3540C	3540C	3540C	3540C	3540C	3540C	3540C
Analysis Method:	8082A	8082A	8082A	8082A	8082A	8082A	8082A
Dilution Factor:	1	1	1	1	31	5	1
PCB-1016	< 0.02	< 0.02	< 0.02	< 0.02	< 0.5	< 0.09	< 0.02
PCB-1221	< 0.02	< 0.02	< 0.02	< 0.02	< 0.5	< 0.09	< 0.02
PCB-1232	< 0.02	< 0.02	< 0.02	< 0.02	< 0.5	< 0.09	< 0.02
PCB-1242	< 0.02	< 0.02	< 0.02	< 0.02	< 0.5	< 0.09	< 0.02
PCB-1248	< 0.02	**0.25**	**0.28**	**7.8**	< 0.5	**0.72**	< 0.02
PCB-1254	< 0.02	< 0.02	**0.31**	**6.9**	**4.9**	< 0.09	**0.041**
PCB-1260	**0.052**	**0.17**	**0.28**	**3.0**	< 0.5	**0.11**	**0.028**
PCB-1262	< 0.02	< 0.02	< 0.02	< 0.02	< 0.5	< 0.09	< 0.02
PCB-1268	< 0.02	**0.063**	< 0.02	< 0.02	< 0.5	< 0.09	< 0.02
TMX (surr)	**88 %R**	**88 %R**	**86 %R**	**75 %R**	**60 %R**	**84 %R**	**79 %R**
DCB (surr)	**56 %R**	**63 %R**	**67 %R**	**66 %R**	**60 %R**	**60 %R**	**62 %R**

Acid clean-up was performed on the samples and associated batch QC.
SS-11: PCB-1248, PCB-1254, and PCB-1260 result obtained from a 25X dilution analyzed on 7/10/2018.
SS-12 and SS-13: Detection limits elevated due to sample matrix.

LABORATORY REPORT

EAI ID#: **183804**

Client: **Nobis Group**

Client Designation: **Lavoie Property | 70705.00**

Sample ID:	SS-15	SS-06-FD
Lab Sample ID:	183804.16	183804.17
Matrix:	soil	soil
Date Sampled:	7/3/18	7/3/18
Date Received:	7/5/18	7/5/18
% Solid:	84.2	66.4
Units:	mg/kg	mg/kg
Date of Extraction/Prep:	7/5/18	7/5/18
Date of Analysis:	7/10/18	7/10/18
Analyst:	SG	SG
Extraction Method:	3540C	3540C
Analysis Method:	8082A	8082A
Dilution Factor:	1	1
PCB-1016	< 0.02	< 0.02
PCB-1221	< 0.02	< 0.02
PCB-1232	< 0.02	< 0.02
PCB-1242	< 0.02	< 0.02
PCB-1248	< 0.02	< 0.02
PCB-1254	**0.20**	< 0.02
PCB-1260	**0.12**	**0.32**
PCB-1262	< 0.02	< 0.02
PCB-1268	**0.080**	**0.25**
TMX (surr)	**80 %R**	**65 %R**
DCB (surr)	**77 %R**	**84 %R**

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **183804**

Client: **Nobis Group**

Client Designation: **Lavoie Property | 70705.00**

Sample ID:	SS-01	SS-02	SS-03	SS-04					
Lab Sample ID:	183804.02	183804.03	183804.04	183804.05					
Matrix:	soil	soil	soil	soil					
Date Sampled:	7/3/18	7/3/18	7/3/18	7/3/18	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/5/18	7/5/18	7/5/18	7/5/18					
Antimony	**0.82**	**5.0**	**25**	**4.8**	SolTotDry	mg/kg	7/6/18	6020	DS
Arsenic	**6.5**	**14**	**9.8**	**15**	SolTotDry	mg/kg	7/6/18	6020	DS
Beryllium	< 0.5	**0.93**	**1.3**	**0.78**	SolTotDry	mg/kg	7/6/18	6020	DS
Cadmium	**1.6**	**5.0**	**7.0**	**9.9**	SolTotDry	mg/kg	7/6/18	6020	DS
Chromium	**16**	**28**	**45**	**26**	SolTotDry	mg/kg	7/6/18	6020	DS
Copper	**140**	**1400**	**7000**	**1500**	SolTotDry	mg/kg	7/6/18	6020	DS
Lead	**72**	**440**	**750**	**450**	SolTotDry	mg/kg	7/6/18	6020	DS
Mercury	< 0.1	**0.42**	**1.4**	**0.38**	SolTotDry	mg/kg	7/6/18	6020	DS
Nickel	**11**	**47**	**58**	**21**	SolTotDry	mg/kg	7/6/18	6020	DS
Selenium	**1.1**	**0.9**	**1.9**	**4.0**	SolTotDry	mg/kg	7/6/18	6020	DS
Silver	< 0.5	**0.60**	**2.4**	**0.93**	SolTotDry	mg/kg	7/6/18	6020	DS
Thallium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	7/6/18	6020	DS
Zinc	**200**	**560**	**830**	**880**	SolTotDry	mg/kg	7/6/18	6020	DS

Sample ID:	SS-05	SS-06	SS-07	SS-08					
Lab Sample ID:	183804.06	183804.07	183804.08	183804.09					
Matrix:	soil	soil	soil	soil					
Date Sampled:	7/3/18	7/3/18	7/3/18	7/3/18	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/5/18	7/5/18	7/5/18	7/5/18					
Antimony	**11**	**11**	**3.3**	**3.0**	SolTotDry	mg/kg	7/6/18	6020	DS
Arsenic	**8.3**	**13**	**8.8**	**3.9**	SolTotDry	mg/kg	7/6/18	6020	DS
Beryllium	< 0.5	**0.71**	**0.73**	< 0.5	SolTotDry	mg/kg	7/6/18	6020	DS
Cadmium	**9.9**	**9.4**	**2.9**	**2.6**	SolTotDry	mg/kg	7/6/18	6020	DS
Chromium	**52**	**46**	**29**	**27**	SolTotDry	mg/kg	7/6/18	6020	DS
Copper	**13000**	**4000**	**1400**	**130**	SolTotDry	mg/kg	7/6/18	6020	DS
Lead	**2300**	**1100**	**830**	**240**	SolTotDry	mg/kg	7/6/18	6020	DS
Mercury	**0.62**	**0.92**	**0.34**	**0.22**	SolTotDry	mg/kg	7/6/18	6020	DS
Nickel	**72**	**35**	**33**	**35**	SolTotDry	mg/kg	7/6/18	6020	DS
Selenium	**2.3**	**2.7**	**1.6**	**1.3**	SolTotDry	mg/kg	7/6/18	6020	DS
Silver	**2.3**	**2.4**	**1.3**	< 0.5	SolTotDry	mg/kg	7/6/18	6020	DS
Thallium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	7/6/18	6020	DS
Zinc	**1100**	**840**	**1400**	**260**	SolTotDry	mg/kg	7/6/18	6020	DS

LABORATORY REPORT

EAI ID#: **183804**

Client: **Nobis Group**

Client Designation: **Lavoie Property | 70705.00**

Sample ID:	SS-09	SS-10	SS-11	SS-12					
Lab Sample ID:	183804.1	183804.11	183804.12	183804.13					
Matrix:	soil	soil	soil	soil					
Date Sampled:	7/3/18	7/3/18	7/3/18	7/3/18	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/5/18	7/5/18	7/5/18	7/5/18					
Antimony	**10**	**7.3**	**13**	**1.8**	SolTotDry	mg/kg	7/6/18	6020	DS
Arsenic	**8.1**	**9.9**	**12**	**9.1**	SolTotDry	mg/kg	7/6/18	6020	DS
Beryllium	< 0.5	**0.51**	**0.52**	< 0.5	SolTotDry	mg/kg	7/6/18	6020	DS
Cadmium	**9.5**	**16**	**11**	**5.4**	SolTotDry	mg/kg	7/6/18	6020	DS
Chromium	**41**	**48**	**120**	**35**	SolTotDry	mg/kg	7/6/18	6020	DS
Copper	**260**	**530**	**480**	**170**	SolTotDry	mg/kg	7/6/18	6020	DS
Lead	**450**	**990**	**780**	**220**	SolTotDry	mg/kg	7/6/18	6020	DS
Mercury	**1.1**	**0.40**	**4.6**	**0.79**	SolTotDry	mg/kg	7/6/18	6020	DS
Nickel	**45**	**83**	**110**	**47**	SolTotDry	mg/kg	7/6/18	6020	DS
Selenium	**1.7**	**1.6**	**2.4**	**2.3**	SolTotDry	mg/kg	7/6/18	6020	DS
Silver	**1.5**	**0.81**	**1.0**	< 0.5	SolTotDry	mg/kg	7/6/18	6020	DS
Thallium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	7/6/18	6020	DS
Zinc	**720**	**660**	**1600**	**400**	SolTotDry	mg/kg	7/6/18	6020	DS

Sample ID:	SS-13	SS-14	SS-15	SS-06-FD					
Lab Sample ID:	183804.14	183804.15	183804.16	183804.17					
Matrix:	soil	soil	soil	soil					
Date Sampled:	7/3/18	7/3/18	7/3/18	7/3/18	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/5/18	7/5/18	7/5/18	7/5/18					
Antimony	**3.4**	< 0.5	**8.3**	**12**	SolTotDry	mg/kg	7/6/18	6020	DS
Arsenic	**8.3**	**3.8**	**12**	**13**	SolTotDry	mg/kg	7/6/18	6020	DS
Beryllium	< 0.5	**0.57**	< 0.5	**0.66**	SolTotDry	mg/kg	7/6/18	6020	DS
Cadmium	**3.3**	**1.6**	**4.0**	**9.9**	SolTotDry	mg/kg	7/6/18	6020	DS
Chromium	**36**	**18**	**40**	**59**	SolTotDry	mg/kg	7/6/18	6020	DS
Copper	**230**	**89**	**480**	**4300**	SolTotDry	mg/kg	7/6/18	6020	DS
Lead	**250**	**46**	**450**	**1100**	SolTotDry	mg/kg	7/6/18	6020	DS
Mercury	**1.0**	**0.15**	**1.2**	**0.90**	SolTotDry	mg/kg	7/6/18	6020	DS
Nickel	**33**	**15**	**43**	**42**	SolTotDry	mg/kg	7/6/18	6020	DS
Selenium	**2.4**	**2.0**	**1.2**	**1.3**	SolTotDry	mg/kg	7/6/18	6020	DS
Silver	< 0.5	< 0.5	< 0.5	**1.7**	SolTotDry	mg/kg	7/6/18	6020	DS
Thallium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	7/6/18	6020	DS
Zinc	**370**	**130**	**510**	**890**	SolTotDry	mg/kg	7/6/18	6020	DS

Page 1 of 2

CHAIN-OF-CUSTODY RECORD

183804

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

SAMPLE I.D.	SAMPLING DATE/TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC: 524.2 BTEX	VOC: 524.2 MTBE ONLY	VOC: 524.2 VTICs	VOC: 8260 624 1,4 DIOXANE	VOC: 8021 BTEX HALOS	VOC: 8015 GRO MAVPH	SVOC: 8270 625 SVTICs EDB DBCP	SVOC: ABN A BN PAH	SVOC: TPH8100 LI L2	SVOC: 8015 DRO MAEPH	SVOC: PEST 608 PEST 8081 PCB 608 PCB 8082	SVOC: OIL & GREASE 1664 TPH 1664	TCLP: TCLP 1311 ABN METALS VOC PEST HERB	DISSOLVED METALS (LIST BELOW)	TOTAL METALS (LIST BELOW)	INORGANICS: TS TSS TDS SPEC. CON.	INORGANICS: BR CL F SO4 NO2 NO3 NO2+NO3	INORGANICS: BOD CBOD T. ALK.	INORGANICS: TKN NH3 T. PHOS. O. PHOS.	INORGANICS: pH T. RES. CHLORINE	INORGANICS: COD PHENOLS TOC DOC	INORGANICS: TOTAL CYANIDE TOTAL SULFIDE	INORGANICS: REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	MICRO: TOTAL COLIFORM E. COLI FECAL COLIFORM	MICRO: ENTEROCOCCI HETEROTROPHIC PLATE COUNT	OTHER	OTHER	OTHER	# OF CONTAINERS	NOTES MEOH VIAL #
Trip Blank	7/3/18 8:00	S	G			X																											
SS-01	7/3/18 12:25	S	G			X				X			X	X				X															
SS-02	7/3/18 12:30	S	G			X				X			X	X				X															
SS-03	7/3/18 12:35	S	G			X				X			X	X				X															
SS-04	7/3/18 12:45	S	G			X				X			X	X				X															
SS-05	7/3/18 12:50	S	G			X				X			X	X				X															
SS-06	7/3/18 13:15	S	G			X				X			X	X				X															
SS-07	7/3/18 13:25	S	G			X				X			X	X				X															
SS-08	7/3/18 13:30	S	G			X				X			X	X				X															
SS-09	7/3/18 13:35	S	G			X				X			X	X				X															

MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER

PRESERVATIVE: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH

PROJECT MANAGER: Tim Andrews
COMPANY: Nobis Engineering, Inc.
ADDRESS: 18 Chenell Drive
CITY: Concord **STATE:** NH **ZIP:** 03301
PHONE: 603-224-4182 **EXT.:**
FAX:
E-MAIL: tandrews@nobiseng.com
SITE NAME: Lavoie Property
PROJECT #: 70705.00
STATE: (NH) MA ME VT **OTHER:**
REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR GWP, OIL FUND, (BROWNFIELD) OR OTHER:
QUOTE #: **PO #:**

DATE NEEDED: Standard TAT

QA/QC REPORTING LEVEL
A B C
OR
PRESUMPTIVE CERTAINTY

REPORTING OPTIONS
PRELIMS: YES OR NO

ELECTRONIC OPTIONS
(E-MAIL PDF) EQUIS EXCEL

TEMP. 0-1 °C
ICE? (YES) NO

METALS: 8 RCRA (13 PP) FE, MN PB, CU
OTHER METALS:
SAMPLES FIELD FILTERED? ☐ YES ☐ NO
NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
	7/5/18	11:03	
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

SITE HISTORY:
SUSPECTED CONTAMINATION:
FIELD READINGS:

Eastern Analytical, Inc.
professional laboratory and drilling services
25 CHENELL DRIVE | CONCORD, NH 03301 | TEL: 603.228.0525 | 1.800.287.0525 | E-MAIL: CUSTOMERSERVICE@EASTERNANALYTICAL.COM | WWW.EASTERNANALYTICAL.COM

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)

Page 2 of 2

CHAIN-OF-CUSTODY RECORD

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

FOR LAB USE ONLY 183804

SAMPLE I.D.	SAMPLING DATE/TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC: 524.2 BTEX; 524.2 MTBE ONLY; 8260 624 VTICs; 1,4 DIOXANE; 8021 BTEX HALOS; 8015 GRO MAPH	SVOC: 8270 625 SVTICs ABN A; EDB DBCP; PAH BN; TPH8100 L1 L2; 8015 DRO MAEPH; PCB 608 PEST 8081; PCB 8082 PEST 608; OIL & GREASE 1664 TPH 1664	TCLP: TCLP 1311 VOC; ABN PEST; METALS HERB	METALS: DISSOLVED METALS (LIST BELOW); TOTAL METALS (LIST BELOW)	INORGANICS: TS TSS TDS SPEC. CON.; BR CL F SO4 NO2 NO3 NO2NO3; BOD CBOD T. ALK.; TKN NH3 T. PHOS. O. PHOS.; PH T. RES. CHLORINE; COD PHENOLS TOC DOC; TOTAL CYANIDE TOTAL SULFIDE; REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	MICRO: TOTAL COLIFORM FECAL COLIFORM E. COLI; ENTEROCOCCI HETEROTROPHIC PLATE COUNT	OTHER	# OF CONTAINERS	NOTES MEOH VIAL #
SS-10	7/3/18 13:45	S	G		X		X			5
SS-11	7/3/18 13:50	S	G		X		X			5
SS-12	7/3/18 13:55	S	G		X		X			5
SS-13	7/3/18 14:05	S	G		X		X			5
SS-14	7/3/18 14:10	S	G		X		X			5
SS-15	7/3/18 14:20	S	G		X		X			5
SS-06-FD	7/3/18 13:20	S	G		X		X			5

MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER

PRESERVATIVE: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH

PROJECT MANAGER: Tim Andrews

COMPANY: Nobis Engineering, Inc.

ADDRESS: 18 Chenell Drive

CITY: Concord STATE: NH ZIP: 03301

PHONE: 603-224-4182 EXT.:

FAX:

E-MAIL: TAndrews@nobiseng.com

SITE NAME: Lavoie Property

PROJECT #: 70705.00

STATE: (NH) MA ME VT OTHER:

REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR GWP, OIL FUND, (BROWNFIELD) OR OTHER:

QUOTE #: PO #:

DATE NEEDED: Standard TAT

QA/QC REPORTING LEVEL A B C OR PRESUMPTIVE CERTAINTY

REPORTING OPTIONS PRELIMS: YES OR NO

ELECTRONIC OPTIONS (E-MAIL PDF) EQUIS EXCEL

TEMP. 0.1 °C ICE? (YES) NO

SAMPLER(S): Nate LaTourette

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
	7/5/18	11:03	
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

METALS: 8 RCRA (13 PP) FE, MN PB, CU

OTHER METALS:

SAMPLES FIELD FILTERED? ☐ YES ☐ NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

SITE HISTORY:

SUSPECTED CONTAMINATION:

FIELD READINGS:

Eastern Analytical, Inc.
professional laboratory and drilling services
25 CHENELL DRIVE | CONCORD, NH 03301 | TEL: 603.228.0525 | 1.800.287.0525 | E-MAIL: CUSTOMERSERVICE@EASTERNANALYTICAL.COM | WWW.EASTERNANALYTICAL.COM

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)

Eastern Analytical, Inc.

professional laboratory and drilling services

Tim Andrews
Nobis Group
18 Chenell Drive
Concord , NH 03301

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 184328
Client Identification: Lavoie Property
Date Received: 7/17/2018

Dear Mr. Andrews :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.easternanalytical.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
< : "less than" followed by the reporting limit
> : "greater than" followed by the reporting limit
%R : % Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269), Vermont (VT1012) and New York (12072).

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample (s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw — Lorraine Olashaw, Lab Director

7.24.18 — Date

8 — # of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

EAI ID#: **184328**

Client: **Nobis Group**

Client Designation: **Lavoie Property**

Temperature upon receipt (°C): 4.7 **Received on ice or cold packs (Yes/No): Y**

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
184328.01	Trip Blank	7/17/18	7/16/18	soil		Canceled at customer's request
184328.02	TP-01	7/17/18	7/16/18	soil	68.7	Adheres to Sample Acceptance Policy
184328.03	TP-02	7/17/18	7/16/18	soil	90.5	Adheres to Sample Acceptance Policy
184328.04	TP-03	7/17/18	7/16/18	soil	93.3	Adheres to Sample Acceptance Policy
184328.05	TP-04	7/17/18	7/16/18	soil	87.7	Adheres to Sample Acceptance Policy
184328.06	TP-05	7/17/18	7/16/18	soil	82.3	Adheres to Sample Acceptance Policy
184328.07	TP-05FD	7/17/18	7/16/18	soil	85.7	Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitability, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.
Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.
All results contained in this report relate only to the above listed samples.
References include:
1) EPA 600/4-79-020, 1983
2) Standard Methods for Examination of Water and Wastewater,20th Edition, 1998 and 22nd Edition, 2012
3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
4) Hach Water Analysis Handbook, 2nd edition, 1992

LABORATORY REPORT

EAI ID#: **184328**

Client: **Nobis Group**

Client Designation: **Lavoie Property**

Sample ID:	TP-01	TP-02	TP-03	TP-04	TP-05	TP-05FD
Lab Sample ID:	184328.02	184328.03	184328.04	184328.05	184328.06	184328.07
Matrix:	soil	soil	soil	soil	soil	soil
Date Sampled:	7/16/18	7/16/18	7/16/18	7/16/18	7/16/18	7/16/18
Date Received:	7/17/18	7/17/18	7/17/18	7/17/18	7/17/18	7/17/18
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	7/19/18	7/19/18	7/19/18	7/19/18	7/19/18	7/19/18
Analyst:	VG	VG	VG	VG	VG	VG
Method:	8260C	8260C	8260C	8260C	8260C	8260C
Dilution Factor:	2	1	1	1	1	1
Dichlorodifluoromethane	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chloromethane	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Vinyl chloride	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Bromomethane	< 0.4	< 0.2	< 0.2	< 0.2	< 0.3	< 0.3
Chloroethane	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Trichlorofluoromethane	< 0.2	**0.55**	< 0.1	< 0.1	< 0.1	< 0.1
Diethyl Ether	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
Acetone	< 4	< 2	< 2	< 2	< 3	< 3
1,1-Dichloroethene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
tert-Butyl Alcohol (TBA)	< 4	< 2	< 2	< 2	< 3	< 3
Methylene chloride	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Carbon disulfide	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Methyl-t-butyl ether(MTBE)	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Ethyl-t-butyl ether(ETBE)	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Isopropyl ether(DIPE)	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
tert-amyl methyl ether(TAME)	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
trans-1,2-Dichloroethene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
1,1-Dichloroethane	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
2,2-Dichloropropane	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
cis-1,2-Dichloroethene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
2-Butanone(MEK)	< 1	< 0.6	< 0.5	< 0.6	< 0.7	< 0.7
Bromochloromethane	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
Tetrahydrofuran(THF)	< 1	< 0.6	< 0.5	< 0.6	< 0.7	< 0.7
Chloroform	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
1,1,1-Trichloroethane	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
Carbon tetrachloride	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
1,1-Dichloropropene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
Benzene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
1,2-Dichloroethane	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
Trichloroethene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
1,2-Dichloropropane	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
Dibromomethane	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
Bromodichloromethane	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
1,4-Dioxane	< 6	< 4	< 3	< 4	< 4	< 4
4-Methyl-2-pentanone(MIBK)	< 1	< 0.6	< 0.5	< 0.6	< 0.7	< 0.7
cis-1,3-Dichloropropene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
Toluene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
trans-1,3-Dichloropropene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
1,1,2-Trichloroethane	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
2-Hexanone	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Tetrachloroethene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
1,3-Dichloropropane	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
Dibromochloromethane	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
1,2-Dibromoethane(EDB)	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
Chlorobenzene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
1,1,1,2-Tetrachloroethane	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
Ethylbenzene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07

LABORATORY REPORT

EAI ID#: **184328**

Client: **Nobis Group**

Client Designation: **Lavoie Property**

Sample ID:	TP-01	TP-02	TP-03	TP-04	TP-05	TP-05FD
Lab Sample ID:	184328.02	184328.03	184328.04	184328.05	184328.06	184328.07
Matrix:	soil	soil	soil	soil	soil	soil
Date Sampled:	7/16/18	7/16/18	7/16/18	7/16/18	7/16/18	7/16/18
Date Received:	7/17/18	7/17/18	7/17/18	7/17/18	7/17/18	7/17/18
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Analysis:	7/19/18	7/19/18	7/19/18	7/19/18	7/19/18	7/19/18
Analyst:	VG	VG	VG	VG	VG	VG
Method:	8260C	8260C	8260C	8260C	8260C	8260C
Dilution Factor:	2	1	1	1	1	1
mp-Xylene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
o-Xylene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
Styrene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
Bromoform	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
IsoPropylbenzene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
Bromobenzene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
1,1,2,2-Tetrachloroethane	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
1,2,3-Trichloropropane	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
n-Propylbenzene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
2-Chlorotoluene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
4-Chlorotoluene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
1,3,5-Trimethylbenzene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
tert-Butylbenzene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
1,2,4-Trimethylbenzene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
sec-Butylbenzene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
1,3-Dichlorobenzene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
p-Isopropyltoluene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
1,4-Dichlorobenzene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
1,2-Dichlorobenzene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
n-Butylbenzene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
1,2-Dibromo-3-chloropropane	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
1,3,5-Trichlorobenzene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
1,2,4-Trichlorobenzene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
Hexachlorobutadiene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
Naphthalene	< 0.2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
1,2,3-Trichlorobenzene	< 0.1	< 0.06	< 0.05	< 0.06	< 0.07	< 0.07
4-Bromofluorobenzene (surr)	**102 %R**	**104 %R**	**98 %R**	**102 %R**	**99 %R**	**101 %R**
1,2-Dichlorobenzene-d4 (surr)	**106 %R**	**103 %R**	**101 %R**	**105 %R**	**105 %R**	**103 %R**
2,5-Dibromotoluene (surr)	**100 %R**	**91 %R**	**129 %R**	**132 %R**	**92 %R**	**106 %R**
Toluene-d8 (surr)	**89 %R**	**91 %R**	**92 %R**	**90 %R**	**89 %R**	**91 %R**
1,2-Dichloroethane-d4 (surr)	**97 %R**	**93 %R**	**95 %R**	**97 %R**	**93 %R**	**97 %R**

TP-01: Reporting limits are elevated due to the % solids content of the sample or the sample mass used for analysis.

LABORATORY REPORT

EAI ID#: **184328**

Client: **Nobis Group**

Client Designation: **Lavoie Property**

Sample ID:	TP-01	TP-02	TP-03	TP-04	TP-05	TP-05FD
Lab Sample ID:	184328.02	184328.03	184328.04	184328.05	184328.06	184328.07
Matrix:	soil	soil	soil	soil	soil	soil
Date Sampled:	7/16/18	7/16/18	7/16/18	7/16/18	7/16/18	7/16/18
Date Received:	7/17/18	7/17/18	7/17/18	7/17/18	7/17/18	7/17/18
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	7/18/18	7/18/18	7/18/18	7/18/18	7/18/18	7/18/18
Date of Analysis:	7/19/18	7/19/18	7/19/18	7/19/18	7/19/18	7/19/18
Analyst:	JMR	JMR	JMR	JMR	JMR	JMR
Method:	8270D	8270D	8270D	8270D	8270D	8270D
Dilution Factor:	1	1	1	1	1	1
Naphthalene	< 0.1	< 0.08	< 0.07	< 0.08	< 0.08	< 0.08
2-Methylnaphthalene	**0.17**	< 0.08	< 0.07	< 0.08	< 0.08	< 0.08
1-Methylnaphthalene	**0.11**	< 0.08	< 0.07	< 0.08	< 0.08	< 0.08
Acenaphthylene	< 0.1	< 0.08	< 0.07	< 0.08	< 0.08	**0.083**
Acenaphthene	**0.11**	< 0.08	< 0.07	< 0.08	< 0.08	< 0.08
Fluorene	**0.12**	< 0.08	< 0.07	< 0.08	< 0.08	< 0.08
Phenanthrene	**0.90**	**0.095**	**0.093**	< 0.08	**0.13**	**0.19**
Anthracene	**0.29**	< 0.08	< 0.07	< 0.08	< 0.08	< 0.08
Fluoranthene	**2.1**	**0.18**	**0.13**	**0.13**	**0.35**	**0.46**
Pyrene	**1.5**	**0.13**	**0.096**	**0.11**	**0.29**	**0.38**
Benzo[a]anthracene	**0.99**	< 0.08	< 0.07	< 0.08	**0.15**	**0.19**
Chrysene	**1.2**	**0.093**	< 0.07	**0.080**	**0.19**	**0.25**
Benzo[b]fluoranthene	**1.7**	**0.12**	**0.077**	**0.10**	**0.23**	**0.32**
Benzo[k]fluoranthene	**0.62**	< 0.08	< 0.07	< 0.08	**0.085**	**0.11**
Benzo[a]pyrene	**1.1**	< 0.08	< 0.07	< 0.08	**0.15**	**0.21**
Indeno[1,2,3-cd]pyrene	**0.48**	< 0.08	< 0.07	< 0.08	**0.096**	**0.10**
Dibenz[a,h]anthracene	**0.12**	< 0.08	< 0.07	< 0.08	< 0.08	< 0.08
Benzo[g,h,i]perylene	**0.40**	< 0.08	< 0.07	< 0.08	**0.082**	**0.087**
p-Terphenyl-D14 (surr)	**64 %R**	**62 %R**	**79 %R**	**71 %R**	**62 %R**	**55 %R**

LABORATORY REPORT

EAI ID#: **184328**

Client: **Nobis Group**

Client Designation: **Lavoie Property**

Sample ID:	TP-01	TP-02	TP-03	TP-04	TP-05	TP-05FD
Lab Sample ID:	184328.02	184328.03	184328.04	184328.05	184328.06	184328.07
Matrix:	soil	soil	soil	soil	soil	soil
Date Sampled:	7/16/18	7/16/18	7/16/18	7/16/18	7/16/18	7/16/18
Date Received:	7/17/18	7/17/18	7/17/18	7/17/18	7/17/18	7/17/18
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	7/18/18	7/18/18	7/18/18	7/18/18	7/18/18	7/18/18
Date of Analysis:	7/19/18	7/19/18	7/19/18	7/19/18	7/19/18	7/19/18
Analyst:	MA	MA	MA	MA	MA	MA
Method:	8015CDRO	8015CDRO	8015CDRO	8015CDRO	8015CDRO	8015CDRO
Dilution Factor:	1	1	1	1	1	1
DRO (Diesel Range C10-C28)	**190**	**53**	**34**	**35**	**59**	**91**
p-Terphenyl-D14 (surr)	**85 %R**	**67 %R**	**78 %R**	**69 %R**	**66 %R**	**61 %R**

LABORATORY REPORT

EAI ID#: **184328**

Client: **Nobis Group**

Client Designation: **Lavoie Property**

Sample ID:	TP-01	TP-02	TP-03	TP-04	TP-05	TP-05FD
Lab Sample ID:	184328.02	184328.03	184328.04	184328.05	184328.06	184328.07
Matrix:	soil	soil	soil	soil	soil	soil
Date Sampled:	7/16/18	7/16/18	7/16/18	7/16/18	7/16/18	7/16/18
Date Received:	7/17/18	7/17/18	7/17/18	7/17/18	7/17/18	7/17/18
% Solid:	68.7	90.5	93.3	87.7	82.3	85.7
Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Date of Extraction/Prep:	7/18/18	7/18/18	7/18/18	7/18/18	7/18/18	7/18/18
Date of Analysis:	7/19/18	7/19/18	7/19/18	7/19/18	7/19/18	7/19/18
Analyst:	SG	SG	SG	SG	SG	SG
Extraction Method:	3540C	3540C	3540C	3540C	3540C	3540C
Analysis Method:	8082A	8082A	8082A	8082A	8082A	8082A
Dilution Factor:	1	1	1	1	1	1
PCB-1016	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1221	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1232	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1242	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1248	< 0.02	**0.64**	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1254	**7.4**	**0.22**	< 0.02	< 0.02	**0.025**	**0.021**
PCB-1260	**4.7**	**0.089**	< 0.02	< 0.02	**0.033**	**0.032**
PCB-1262	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
PCB-1268	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
TMX (surr)	**73 %R**	**90 %R**	**90 %R**	**90 %R**	**89 %R**	**81 %R**
DCB (surr)	**85 %R**	**75 %R**	**79 %R**	**81 %R**	**86 %R**	**76 %R**

Acid clean-up was performed on the samples and associated batch QC.
TP-01: PCB-1254 and PCB-1260 result obtained from a 25X dilution analyzed on 7/19/2018.
TP-02: PCB-1248 result obtained from a 4X dilution analyzed on 7/19/2018.

LABORATORY REPORT

EAI ID#: **184328**

Client: **Nobis Group**

Client Designation: **Lavoie Property**

Sample ID:	TP-01	TP-02	TP-03	TP-04					
Lab Sample ID:	184328.02	184328.03	184328.04	184328.05					
Matrix:	soil	soil	soil	soil					
Date Sampled:	7/16/18	7/16/18	7/16/18	7/16/18	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/17/18	7/17/18	7/17/18	7/17/18					
Antimony	**33**	**3.6**	**0.79**	**0.59**	SolTotDry	mg/kg	7/19/18	6020	DS
Arsenic	**21**	**4.7**	**4.3**	**7.1**	SolTotDry	mg/kg	7/19/18	6020	DS
Beryllium	< 0.5	< 0.5	< 0.5	**0.71**	SolTotDry	mg/kg	7/19/18	6020	DS
Cadmium	**14**	**3.5**	**0.57**	< 0.5	SolTotDry	mg/kg	7/19/18	6020	DS
Chromium	**50**	**18**	**13**	**16**	SolTotDry	mg/kg	7/19/18	6020	DS
Copper	**350**	**130**	**92**	**120**	SolTotDry	mg/kg	7/19/18	6020	DS
Lead	**430**	**150**	**48**	**40**	SolTotDry	mg/kg	7/19/18	6020	DS
Mercury	**3.8**	**1.1**	**0.13**	< 0.1	SolTotDry	mg/kg	7/19/18	6020	DS
Nickel	**73**	**26**	**9.2**	**8.2**	SolTotDry	mg/kg	7/19/18	6020	DS
Selenium	**1.0**	**1.5**	**1.0**	**1.6**	SolTotDry	mg/kg	7/19/18	6020	DS
Silver	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	7/19/18	6020	DS
Thallium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	7/19/18	6020	DS
Zinc	**3100**	**390**	**68**	**80**	SolTotDry	mg/kg	7/19/18	6020	DS

Sample ID:	TP-05	TP-05FD						
Lab Sample ID:	184328.06	184328.07						
Matrix:	soil	soil						
Date Sampled:	7/16/18	7/16/18	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	7/17/18	7/17/18					
Antimony	**1.4**	**7.4**	SolTotDry	mg/kg	7/19/18	6020	DS
Arsenic	**4.5**	**5.8**	SolTotDry	mg/kg	7/19/18	6020	DS
Beryllium	**0.76**	**0.63**	SolTotDry	mg/kg	7/19/18	6020	DS
Cadmium	**2.3**	**3.8**	SolTotDry	mg/kg	7/19/18	6020	DS
Chromium	**20**	**22**	SolTotDry	mg/kg	7/19/18	6020	DS
Copper	**900**	**2500**	SolTotDry	mg/kg	7/19/18	6020	DS
Lead	**200**	**870**	SolTotDry	mg/kg	7/19/18	6020	DS
Mercury	**0.15**	**0.2**	SolTotDry	mg/kg	7/19/18	6020	DS
Nickel	**13**	**17**	SolTotDry	mg/kg	7/19/18	6020	DS
Selenium	**1.7**	**1.3**	SolTotDry	mg/kg	7/19/18	6020	DS
Silver	< 0.5	**0.68**	SolTotDry	mg/kg	7/19/18	6020	DS
Thallium	< 0.5	< 0.5	SolTotDry	mg/kg	7/19/18	6020	DS
Zinc	**180**	**270**	SolTotDry	mg/kg	7/19/18	6020	DS

Page 1 of _____

CHAIN-OF-CUSTODY RECORD

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

184328

SAMPLE I.D.	SAMPLING DATE / TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE / TIME	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC: 524.2 BTEX; 524.2 MTBE ONLY; 8260 624 VTICs; 1,4 DIOXANE; 8021 BTEX HALOS; 8015 GRO MAVPH	SVOC: 8270 625 SVTICs EDB DBCP; ABN A BN (PAH); TPH8100 LI L2; 8015 DRO MAEPH; PEST 608 PEST 8081; PCB 608 PCB 8082; OIL & GREASE 1664 TPH 1664	TCLP: TCLP 1311 ABN METALS VOC PEST HERB	METALS: DISSOLVED METALS (LIST BELOW); TOTAL METALS (LIST BELOW)	INORGANICS: TS TSS TDS SPEC. CON.; BR CL F SO4 NO2 NO3 NO2NO3; BOD CBOD T. ALK.; TKN NH3 T. PHOS. O. PHOS.; pH T. RES. CHLORINE; COD PHENOLS TOC DOC; TOTAL CYANIDE TOTAL SULFIDE; REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	MICRO: TOTAL COLIFORM E. COLI; FECAL COLIFORM; ENTEROCOCCI HETEROTROPHIC PLATE COUNT	OTHER: # OF CONTAINERS	NOTES MEOH VIAL #
TRIP BLANK	7/16/18			X						
TP-01	11:30		X	X	X X X		X			
TP-02	11:45		X	X	X X X		X			
TP-03	12:10		X	X	X X X		X			
TP-04	12:35		X	X	X X X		X			
TP-05	13:00		X	X	X X X		X			
TP-05FD	13:05		X	X	X X X		X			

MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER

PRESERVATIVE: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH

PROJECT MANAGER: TIM ANDREWS

COMPANY: NOBIS

ADDRESS: 18 CHENNEL DR

CITY: CONCORD **STATE:** NH **ZIP:** 03301

PHONE: 603-224-4182 **EXT.:**

FAX:

E-MAIL: TANDREWS@NOBISENG.COM

SITE NAME: LAVOIE PROPERTY

PROJECT #:

STATE: (NH) MA ME VT **OTHER:**

REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR GWP, OIL FUND, BROWNFIELD OR OTHER:

QUOTE #: **PO #:**

DATE NEEDED: STANDARD TAT

QA/QC REPORTING LEVEL A B C OR PRESUMPTIVE CERTAINTY

REPORTING OPTIONS PRELIMS: YES OR NO

ELECTRONIC OPTIONS (E-MAIL) (PDF) EQUIS EXCEL

TEMP. 4.7 °C ICE? (YES) NO

SAMPLER(S):

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
	7-17-18	1150	
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

METALS: 8 RCRA (13 PP) FE, MN PB, CU

OTHER METALS:

SAMPLES FIELD FILTERED? ☐ YES ☐ NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

SITE HISTORY:

SUSPECTED CONTAMINATION:

FIELD READINGS:

Eastern Analytical, Inc.
professional laboratory and drilling services
25 CHENELL DRIVE | CONCORD, NH 03301 | TEL: 603.228.0525 | 1.800.287.0525 | E-MAIL: CUSTOMERSERVICE@EASTERNANALYTICAL.COM | WWW.EASTERNANALYTICAL.COM

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)

Eastern Analytical, Inc.

professional laboratory and drilling services

Tim Andrews
Nobis Group
18 Chenell Drive
Concord , NH 03301

Subject: Laboratory Report

Eastern Analytical, Inc. ID: 186678
Client Identification: Lavoie Property / 70705.00
Date Received: 9/14/2018

Dear Mr. Andrews :

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.easternanalytical.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted
< : "less than" followed by the reporting limit
> : "greater than" followed by the reporting limit
%R : % Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269), Vermont (VT1012) and New York (12072).

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample (s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director | 10.2.18 Date | 63 # of pages (excluding cover letter)

SAMPLE CONDITIONS PAGE

EAI ID#: **186678**

Client: **Nobis Group**

Client Designation: **Lavoie Property / 70705.00**

Temperature upon receipt (°C): 4.7 **Received on ice or cold packs (Yes/No): Y**

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
186678.01	CS-1	9/14/18	9/13/18	solid	95.4	Adheres to Sample Acceptance Policy
186678.02	CS-FD01	9/14/18	9/13/18	solid	86.2	Adheres to Sample Acceptance Policy
186678.03	CS-2	9/14/18	9/13/18	solid	94.7	Adheres to Sample Acceptance Policy
186678.04	S11-1A	9/14/18	9/13/18	solid	67.3	Adheres to Sample Acceptance Policy
186678.05	S11-2A	9/14/18	9/13/18	solid	72.9	Adheres to Sample Acceptance Policy
186678.06	S11-3A	9/14/18	9/13/18	solid	58.1	Adheres to Sample Acceptance Policy
186678.07	S11-4A	9/14/18	9/13/18	solid	68.2	Adheres to Sample Acceptance Policy
186678.08	S11-4B	9/14/18	9/13/18	solid	69.0	Adheres to Sample Acceptance Policy
186678.09	S11-5A	9/14/18	9/13/18	solid	58.5	Adheres to Sample Acceptance Policy
186678.1	S11-5B	9/14/18	9/13/18	solid	68.8	Adheres to Sample Acceptance Policy
186678.11	S11-5C	9/14/18	9/13/18	solid	67.8	Adheres to Sample Acceptance Policy
186678.12	S11-6A	9/14/18	9/13/18	solid	72.3	Adheres to Sample Acceptance Policy
186678.13	S11-6B	9/14/18	9/13/18	solid	68.6	Adheres to Sample Acceptance Policy
186678.14	S11-7A	9/14/18	9/13/18	solid	49.3	Adheres to Sample Acceptance Policy
186678.15	S11-7B	9/14/18	9/13/18	solid	75.7	Adheres to Sample Acceptance Policy
186678.16	S11-8A	9/14/18	9/13/18	solid	79.1	Adheres to Sample Acceptance Policy
186678.17	S11-9A	9/14/18	9/13/18	solid	76.2	Adheres to Sample Acceptance Policy
186678.18	S11-9B	9/14/18	9/13/18	solid	82.0	Adheres to Sample Acceptance Policy
186678.19	S11-9C	9/14/18	9/13/18	solid	73.3	Adheres to Sample Acceptance Policy
186678.2	S11-10A	9/14/18	9/13/18	solid	73.5	Adheres to Sample Acceptance Policy
186678.21	S11-11A	9/14/18	9/13/18	solid	63.5	Adheres to Sample Acceptance Policy
186678.22	S11-11B	9/14/18	9/13/18	solid	64.0	Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitability, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.
Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.
All results contained in this report relate only to the above listed samples.
References include:
1) EPA 600/4-79-020, 1983
2) Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd Edition or noted Revision year.
3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
4) Hach Water Analysis Handbook, 4th edition, 1992

SAMPLE CONDITIONS PAGE

EAI ID#: **186678**

Client: **Nobis Group**

Client Designation: **Lavoie Property / 70705.00**

Temperature upon receipt (°C): 4.7 **Received on ice or cold packs (Yes/No): Y**

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
186678.23	S11-11C	9/14/18	9/13/18	solid	71.3	Adheres to Sample Acceptance Policy
186678.24	SS-11B	9/14/18	9/13/18	solid	68.3	Adheres to Sample Acceptance Policy
186678.25	SS-11C	9/14/18	9/13/18	solid	56.2	Adheres to Sample Acceptance Policy
186678.26	S11-12A	9/14/18	9/13/18	solid	73.1	Adheres to Sample Acceptance Policy
186678.27	S11-13A	9/14/18	9/13/18	solid	66.2	Adheres to Sample Acceptance Policy
186678.28	S12-1	9/14/18	9/13/18	solid	57.6	Adheres to Sample Acceptance Policy
186678.29	S12-2	9/14/18	9/13/18	solid	66.3	Adheres to Sample Acceptance Policy
186678.3	S12-3	9/14/18	9/13/18	solid	57.6	Adheres to Sample Acceptance Policy
186678.31	S12-4	9/14/18	9/13/18	solid	68.9	Adheres to Sample Acceptance Policy
186678.32	S12-5	9/14/18	9/13/18	solid	72.1	Adheres to Sample Acceptance Policy
186678.33	S12-6	9/14/18	9/13/18	solid	68.2	Adheres to Sample Acceptance Policy
186678.34	S12-7	9/14/18	9/13/18	solid	70.7	Adheres to Sample Acceptance Policy
186678.35	S12-8	9/14/18	9/13/18	solid	70.8	Adheres to Sample Acceptance Policy
186678.36	S12-9	9/14/18	9/13/18	solid	73.6	Adheres to Sample Acceptance Policy
186678.37	SS-12B	9/14/18	9/13/18	solid	76.0	Adheres to Sample Acceptance Policy
186678.38	M-1	9/14/18	9/13/18	solid	76.3	Adheres to Sample Acceptance Policy
186678.39	SS-10B	9/14/18	9/13/18	solid	79.9	Adheres to Sample Acceptance Policy
186678.4	SS-10C	9/14/18	9/13/18	solid	86.6	Adheres to Sample Acceptance Policy
186678.41	M-2	9/14/18	9/13/18	solid	84.9	Adheres to Sample Acceptance Policy
186678.42	M-3	9/14/18	9/13/18	solid	80.5	Adheres to Sample Acceptance Policy
186678.43	M-4	9/14/18	9/13/18	solid	60.9	Adheres to Sample Acceptance Policy
186678.44	M-5	9/14/18	9/13/18	solid	66.3	Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitability, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.
Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.
All results contained in this report relate only to the above listed samples.
References include:
1) EPA 600/4-79-020, 1983
2) Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd Edition or noted Revision year.
3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
4) Hach Water Analysis Handbook, 4th edition, 1992

SAMPLE CONDITIONS PAGE

EAI ID#: **186678**

Client: **Nobis Group**

Client Designation: **Lavoie Property / 70705.00**

Temperature upon receipt (°C): 4.7 **Received on ice or cold packs (Yes/No): Y**

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
186678.45	M-6	9/14/18	9/13/18	solid	75.8	Adheres to Sample Acceptance Policy
186678.46	SS-03B	9/14/18	9/13/18	solid	79.8	Adheres to Sample Acceptance Policy
186678.47	SS-05B	9/14/18	9/13/18	solid	92.6	Adheres to Sample Acceptance Policy
186678.48	SS-05C	9/14/18	9/13/18	solid	82.6	Adheres to Sample Acceptance Policy
186678.49	M-7	9/14/18	9/13/18	solid	79.8	Adheres to Sample Acceptance Policy
186678.5	M-8	9/14/18	9/13/18	solid	72.8	Adheres to Sample Acceptance Policy
186678.51	M-FDUP5	9/14/18	9/13/18	solid	77.5	Adheres to Sample Acceptance Policy
186678.52	S7-1	9/14/18	9/13/18	solid	80.8	Adheres to Sample Acceptance Policy
186678.53	S7-2	9/14/18	9/13/18	solid	68.6	Adheres to Sample Acceptance Policy
186678.54	S7-3	9/14/18	9/13/18	solid	55.5	Adheres to Sample Acceptance Policy
186678.55	S7-4	9/14/18	9/13/18	solid	45.2	Adheres to Sample Acceptance Policy
186678.56	S7-5	9/14/18	9/13/18	solid	83.9	Adheres to Sample Acceptance Policy
186678.57	S7-FDUP5	9/14/18	9/13/18	solid	83.0	Adheres to Sample Acceptance Policy
186678.58	S7-6	9/14/18	9/13/18	solid	80.3	Adheres to Sample Acceptance Policy
186678.59	S7-7	9/14/18	9/13/18	solid	42.7	Adheres to Sample Acceptance Policy
186678.6	S7-8	9/14/18	9/13/18	solid	60.6	Adheres to Sample Acceptance Policy
186678.61	S7-9	9/14/18	9/13/18	solid	77.8	Adheres to Sample Acceptance Policy
186678.62	S7-FDUP9	9/14/18	9/13/18	solid	74.2	Adheres to Sample Acceptance Policy
186678.63	M-FDUP7	9/14/18	9/13/18	solid	80.3	Adheres to Sample Acceptance Policy
186678.64	SS-06B	9/14/18	9/13/18	solid	84.5	Adheres to Sample Acceptance Policy
186678.65	SS-06C	9/14/18	9/13/18	solid	93.0	Adheres to Sample Acceptance Policy
186678.66	SS-07B	9/14/18	9/13/18	solid	85.8	Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitability, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.
Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.
All results contained in this report relate only to the above listed samples.
References include:
1) EPA 600/4-79-020, 1983
2) Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd Edition or noted Revision year.
3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
4) Hach Water Analysis Handbook, 4th edition, 1992

SAMPLE CONDITIONS PAGE

EAI ID#: **186678**

Client: **Nobis Group**

Client Designation: **Lavoie Property / 70705.00**

Temperature upon receipt (°C): 4.7 **Received on ice or cold packs (Yes/No): Y**

Acceptable temperature range (°C): 0-6

Lab ID	Sample ID	Date Received	Date Sampled	Sample Matrix	% Dry Weight	Exceptions/Comments (other than thermal preservation)
186678.67	SS-07C	9/14/18	9/13/18	solid	91.2	Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitability, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.
Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.

All results contained in this report relate only to the above listed samples.

References include:

1) EPA 600/4-79-020, 1983
2) Standard Methods for Examination of Water and Wastewater, 20th, 21st, 22nd & 23rd Edition or noted Revision year.
3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
4) Hach Water Analysis Handbook, 4th edition, 1992

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	CS-1
Lab Sample ID:	186678.01
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/18/18	10:59	9/17/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/18/18	10:59	9/17/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/18/18	10:59	9/17/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/18/18	10:59	9/17/18	8082A	SG
PCB-1248	< 0.02	0.02	1	mg/kg	9/18/18	10:59	9/17/18	8082A	SG
PCB-1254	< 0.02	0.02	1	mg/kg	9/18/18	10:59	9/17/18	8082A	SG
PCB-1260	< 0.02	0.02	1	mg/kg	9/18/18	10:59	9/17/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/18/18	10:59	9/17/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/18/18	10:59	9/17/18	8082A	SG
TMX (surr)	**68 %R**			%	9/18/18	10:59	9/17/18	8082A	SG
DCB (surr)	**32 %R**			%	9/18/18	10:59	9/17/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	CS-FD01
Lab Sample ID:	186678.02
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/18/18	11:09	9/17/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/18/18	11:09	9/17/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/18/18	11:09	9/17/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/18/18	11:09	9/17/18	8082A	SG
PCB-1248	< 0.02	0.02	1	mg/kg	9/18/18	11:09	9/17/18	8082A	SG
PCB-1254	< 0.02	0.02	1	mg/kg	9/18/18	11:09	9/17/18	8082A	SG
PCB-1260	< 0.02	0.02	1	mg/kg	9/18/18	11:09	9/17/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/18/18	11:09	9/17/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/18/18	11:09	9/17/18	8082A	SG
TMX (surr)	**70 %R**			%	9/18/18	11:09	9/17/18	8082A	SG
DCB (surr)	**33 %R**			%	9/18/18	11:09	9/17/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	CS-2
Lab Sample ID:	186678.03
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/18/18	11:18	9/17/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/18/18	11:18	9/17/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/18/18	11:18	9/17/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/18/18	11:18	9/17/18	8082A	SG
PCB-1248	< 0.02	0.02	1	mg/kg	9/18/18	11:18	9/17/18	8082A	SG
PCB-1254	< 0.02	0.02	1	mg/kg	9/18/18	11:18	9/17/18	8082A	SG
PCB-1260	< 0.02	0.02	1	mg/kg	9/18/18	11:18	9/17/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/18/18	11:18	9/17/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/18/18	11:18	9/17/18	8082A	SG
TMX (surr)	**79 %R**			%	9/18/18	11:18	9/17/18	8082A	SG
DCB (surr)	**32 %R**			%	9/18/18	11:18	9/17/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S11-1A
Lab Sample ID:	186678.04
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/18/18	11:28	9/17/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/18/18	11:28	9/17/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/18/18	11:28	9/17/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/18/18	11:28	9/17/18	8082A	SG
PCB-1248	< 0.02	0.02	1	mg/kg	9/18/18	11:28	9/17/18	8082A	SG
PCB-1254	**8.4**	0.6	37	mg/kg	9/18/18	15:14	9/17/18	8082A	SG
PCB-1260	**1.6**	0.6	37	mg/kg	9/18/18	15:14	9/17/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/18/18	11:28	9/17/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/18/18	11:28	9/17/18	8082A	SG
TMX (surr)	**71 %R**			%	9/18/18	11:28	9/17/18	8082A	SG
DCB (surr)	**57 %R**			%	9/18/18	11:28	9/17/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S11-2A
Lab Sample ID:	186678.05
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/18/18	11:38	9/17/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/18/18	11:38	9/17/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/18/18	11:38	9/17/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/18/18	11:38	9/17/18	8082A	SG
PCB-1248	**0.65**	0.09	5	mg/kg	9/18/18	15:23	9/17/18	8082A	SG
PCB-1254	**0.86**	0.09	5	mg/kg	9/18/18	15:23	9/17/18	8082A	SG
PCB-1260	**0.53**	0.09	5	mg/kg	9/18/18	15:23	9/17/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/18/18	11:38	9/17/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/18/18	11:38	9/17/18	8082A	SG
TMX (surr)	**84 %R**			%	9/18/18	11:38	9/17/18	8082A	SG
DCB (surr)	**70 %R**			%	9/18/18	11:38	9/17/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S11-3A
Lab Sample ID:	186678.06
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.03	0.03	2	mg/kg	9/18/18	11:48	9/17/18	8082A	SG
PCB-1221	< 0.03	0.03	2	mg/kg	9/18/18	11:48	9/17/18	8082A	SG
PCB-1232	< 0.03	0.03	2	mg/kg	9/18/18	11:48	9/17/18	8082A	SG
PCB-1242	< 0.03	0.03	2	mg/kg	9/18/18	11:48	9/17/18	8082A	SG
PCB-1248	**1.4**	0.1	7	mg/kg	9/18/18	15:33	9/17/18	8082A	SG
PCB-1254	**1.2**	0.1	7	mg/kg	9/18/18	15:33	9/17/18	8082A	SG
PCB-1260	**0.37**	0.03	2	mg/kg	9/18/18	11:48	9/17/18	8082A	SG
PCB-1262	< 0.03	0.03	2	mg/kg	9/18/18	11:48	9/17/18	8082A	SG
PCB-1268	< 0.03	0.03	2	mg/kg	9/18/18	11:48	9/17/18	8082A	SG
TMX (surr)	**76 %R**			%	9/18/18	11:48	9/17/18	8082A	SG
DCB (surr)	**74 %R**			%	9/18/18	11:48	9/17/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.
Detection limits elevated due to low solids content.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S11-4A
Lab Sample ID:	186678.07
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/18/18	11:57	9/17/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/18/18	11:57	9/17/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/18/18	11:57	9/17/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/18/18	11:57	9/17/18	8082A	SG
PCB-1248	**8.4**	1	57	mg/kg	9/18/18	15:43	9/17/18	8082A	SG
PCB-1254	**8.9**	1	57	mg/kg	9/18/18	15:43	9/17/18	8082A	SG
PCB-1260	**1.2**	0.1	7	mg/kg	9/18/18	15:53	9/17/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/18/18	11:57	9/17/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/18/18	11:57	9/17/18	8082A	SG
TMX (surr)	**85 %R**			%	9/18/18	11:57	9/17/18	8082A	SG
DCB (surr)	**79 %R**			%	9/18/18	11:57	9/17/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S11-4B
Lab Sample ID:	186678.08
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/18/18	12:07	9/17/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/18/18	12:07	9/17/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/18/18	12:07	9/17/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/18/18	12:07	9/17/18	8082A	SG
PCB-1248	**0.43**	0.1	6	mg/kg	9/18/18	16:02	9/17/18	8082A	SG
PCB-1254	**0.70**	0.1	6	mg/kg	9/18/18	16:02	9/17/18	8082A	SG
PCB-1260	**0.51**	0.1	6	mg/kg	9/18/18	16:02	9/17/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/18/18	12:07	9/17/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/18/18	12:07	9/17/18	8082A	SG
TMX (surr)	**88 %R**			%	9/18/18	12:07	9/17/18	8082A	SG
DCB (surr)	**74 %R**			%	9/18/18	12:07	9/17/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S11-5A
Lab Sample ID:	186678.09
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.03	0.03	2	mg/kg	9/18/18	12:17	9/17/18	8082A	SG
PCB-1221	< 0.03	0.03	2	mg/kg	9/18/18	12:17	9/17/18	8082A	SG
PCB-1232	< 0.03	0.03	2	mg/kg	9/18/18	12:17	9/17/18	8082A	SG
PCB-1242	< 0.03	0.03	2	mg/kg	9/18/18	12:17	9/17/18	8082A	SG
PCB-1248	**6.3**	0.6	34	mg/kg	9/18/18	16:12	9/17/18	8082A	SG
PCB-1254	**8.2**	0.6	34	mg/kg	9/18/18	16:12	9/17/18	8082A	SG
PCB-1260	**2.1**	0.6	34	mg/kg	9/18/18	16:12	9/17/18	8082A	SG
PCB-1262	< 0.03	0.03	2	mg/kg	9/18/18	12:17	9/17/18	8082A	SG
PCB-1268	< 0.03	0.03	2	mg/kg	9/18/18	12:17	9/17/18	8082A	SG
TMX (surr)	**79 %R**			%	9/18/18	12:17	9/17/18	8082A	SG
DCB (surr)	**63 %R**			%	9/18/18	12:17	9/17/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.
Detection limits elevated due to low solids content.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S11-5B
Lab Sample ID:	186678.1
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/18/18	12:26	9/17/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/18/18	12:26	9/17/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/18/18	12:26	9/17/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/18/18	12:26	9/17/18	8082A	SG
PCB-1248	**0.20**	0.02	1	mg/kg	9/18/18	12:26	9/17/18	8082A	SG
PCB-1254	**0.31**	0.02	1	mg/kg	9/18/18	12:26	9/17/18	8082A	SG
PCB-1260	**1.0**	0.1	6	mg/kg	9/18/18	16:22	9/17/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/18/18	12:26	9/17/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/18/18	12:26	9/17/18	8082A	SG
TMX (surr)	**75 %R**			%	9/18/18	12:26	9/17/18	8082A	SG
DCB (surr)	**56 %R**			%	9/18/18	12:26	9/17/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S11-5C
Lab Sample ID:	186678.11
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/18/18	12:36	9/17/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/18/18	12:36	9/17/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/18/18	12:36	9/17/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/18/18	12:36	9/17/18	8082A	SG
PCB-1248	< 0.02	0.02	1	mg/kg	9/18/18	12:36	9/17/18	8082A	SG
PCB-1254	**1.6**	0.1	7	mg/kg	9/18/18	16:32	9/17/18	8082A	SG
PCB-1260	**1.2**	0.1	7	mg/kg	9/18/18	16:32	9/17/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/18/18	12:36	9/17/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/18/18	12:36	9/17/18	8082A	SG
TMX (surr)	**79 %R**			%	9/18/18	12:36	9/17/18	8082A	SG
DCB (surr)	**91 %R**			%	9/18/18	12:36	9/17/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S11-6A
Lab Sample ID:	186678.12
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed	Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/18/18 12:46	9/17/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/18/18 12:46	9/17/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/18/18 12:46	9/17/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/18/18 12:46	9/17/18	8082A	SG
PCB-1248	**0.85**	0.1	7	mg/kg	9/18/18 16:41	9/17/18	8082A	SG
PCB-1254	**1.4**	0.1	7	mg/kg	9/18/18 16:41	9/17/18	8082A	SG
PCB-1260	**0.33**	0.02	1	mg/kg	9/18/18 12:46	9/17/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/18/18 12:46	9/17/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/18/18 12:46	9/17/18	8082A	SG
TMX (surr)	**76 %R**			%	9/18/18 12:46	9/17/18	8082A	SG
DCB (surr)	**53 %R**			%	9/18/18 12:46	9/17/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S11-6B
Lab Sample ID:	186678.13
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/18/18	12:56	9/17/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/18/18	12:56	9/17/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/18/18	12:56	9/17/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/18/18	12:56	9/17/18	8082A	SG
PCB-1248	**1.4**	0.2	14	mg/kg	9/18/18	16:51	9/17/18	8082A	SG
PCB-1254	**3.4**	0.2	14	mg/kg	9/18/18	16:51	9/17/18	8082A	SG
PCB-1260	**1.2**	0.2	14	mg/kg	9/18/18	16:51	9/17/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/18/18	12:56	9/17/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/18/18	12:56	9/17/18	8082A	SG
TMX (surr)	**62 %R**			%	9/18/18	12:56	9/17/18	8082A	SG
DCB (surr)	**43 %R**			%	9/18/18	12:56	9/17/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S11-7A
Lab Sample ID:	186678.14
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.03	0.03	2	mg/kg	9/18/18	13:05	9/17/18	8082A	SG
PCB-1221	< 0.03	0.03	2	mg/kg	9/18/18	13:05	9/17/18	8082A	SG
PCB-1232	< 0.03	0.03	2	mg/kg	9/18/18	13:05	9/17/18	8082A	SG
PCB-1242	< 0.03	0.03	2	mg/kg	9/18/18	13:05	9/17/18	8082A	SG
PCB-1248	< 0.03	0.03	2	mg/kg	9/18/18	13:05	9/17/18	8082A	SG
PCB-1254	**18**	1	80	mg/kg	9/18/18	17:01	9/17/18	8082A	SG
PCB-1260	**3.2**	1	80	mg/kg	9/18/18	17:01	9/17/18	8082A	SG
PCB-1262	< 0.03	0.03	2	mg/kg	9/18/18	13:05	9/17/18	8082A	SG
PCB-1268	< 0.03	0.03	2	mg/kg	9/18/18	13:05	9/17/18	8082A	SG
TMX (surr)	**73 %R**			%	9/18/18	13:05	9/17/18	8082A	SG
DCB (surr)	**49 %R**			%	9/18/18	13:05	9/17/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.
Detection limits elevated due to low solids content.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S11-7B
Lab Sample ID:	186678.15
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/18/18	13:15	9/17/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/18/18	13:15	9/17/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/18/18	13:15	9/17/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/18/18	13:15	9/17/18	8082A	SG
PCB-1248	< 0.02	0.02	1	mg/kg	9/18/18	13:15	9/17/18	8082A	SG
PCB-1254	**27**	2	130	mg/kg	9/18/18	17:10	9/17/18	8082A	SG
PCB-1260	**6.0**	0.4	26	mg/kg	9/18/18	17:20	9/17/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/18/18	13:15	9/17/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/18/18	13:15	9/17/18	8082A	SG
TMX (surr)	**67 %R**			%	9/18/18	13:15	9/17/18	8082A	SG
DCB (surr)	**63 %R**			%	9/18/18	13:15	9/17/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S11-8A
Lab Sample ID:	186678.16
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/19/18	11:31	9/18/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/19/18	11:31	9/18/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/19/18	11:31	9/18/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/19/18	11:31	9/18/18	8082A	SG
PCB-1248	< 0.02	0.02	1	mg/kg	9/19/18	11:31	9/18/18	8082A	SG
PCB-1254	**2.8**	0.2	12	mg/kg	9/19/18	16:06	9/18/18	8082A	SG
PCB-1260	**0.70**	0.2	12	mg/kg	9/19/18	16:06	9/18/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/19/18	11:31	9/18/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/19/18	11:31	9/18/18	8082A	SG
TMX (surr)	**79 %R**			%	9/19/18	11:31	9/18/18	8082A	SG
DCB (surr)	**64 %R**			%	9/19/18	11:31	9/18/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S11-9A
Lab Sample ID:	186678.17
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/19/18	11:40	9/18/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/19/18	11:40	9/18/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/19/18	11:40	9/18/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/19/18	11:40	9/18/18	8082A	SG
PCB-1248	**33**	2	128	mg/kg	9/19/18	16:16	9/18/18	8082A	SG
PCB-1254	**21**	2	128	mg/kg	9/19/18	16:16	9/18/18	8082A	SG
PCB-1260	**3.9**	2	128	mg/kg	9/19/18	16:16	9/18/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/19/18	11:40	9/18/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/19/18	11:40	9/18/18	8082A	SG
TMX (surr)	**68 %R**			%	9/19/18	11:40	9/18/18	8082A	SG
DCB (surr)	**57 %R**			%	9/19/18	11:40	9/18/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S11-9B
Lab Sample ID:	186678.18
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/19/18	11:50	9/18/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/19/18	11:50	9/18/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/19/18	11:50	9/18/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/19/18	11:50	9/18/18	8082A	SG
PCB-1248	**21**	2	118	mg/kg	9/19/18	16:35	9/18/18	8082A	SG
PCB-1254	**28**	2	118	mg/kg	9/19/18	16:35	9/18/18	8082A	SG
PCB-1260	**7.5**	2	118	mg/kg	9/19/18	16:35	9/18/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/19/18	11:50	9/18/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/19/18	11:50	9/18/18	8082A	SG
TMX (surr)	**70 %R**			%	9/19/18	11:50	9/18/18	8082A	SG
DCB (surr)	**51 %R**			%	9/19/18	11:50	9/18/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S11-9C
Lab Sample ID:	186678.19
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/19/18	12:00	9/18/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/19/18	12:00	9/18/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/19/18	12:00	9/18/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/19/18	12:00	9/18/18	8082A	SG
PCB-1248	**4.3**	0.4	27	mg/kg	9/19/18	16:45	9/18/18	8082A	SG
PCB-1254	**1.8**	0.4	27	mg/kg	9/19/18	16:45	9/18/18	8082A	SG
PCB-1260	**0.73**	0.09	5	mg/kg	9/19/18	16:55	9/18/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/19/18	12:00	9/18/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/19/18	12:00	9/18/18	8082A	SG
TMX (surr)	**81 %R**			%	9/19/18	12:00	9/18/18	8082A	SG
DCB (surr)	**64 %R**			%	9/19/18	12:00	9/18/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S11-10A
Lab Sample ID:	186678.2
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/19/18	12:09	9/18/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/19/18	12:09	9/18/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/19/18	12:09	9/18/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/19/18	12:09	9/18/18	8082A	SG
PCB-1248	< 0.02	0.02	1	mg/kg	9/19/18	12:09	9/18/18	8082A	SG
PCB-1254	**4.5**	0.4	27	mg/kg	9/19/18	17:04	9/18/18	8082A	SG
PCB-1260	**0.76**	0.09	5	mg/kg	9/19/18	17:14	9/18/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/19/18	12:09	9/18/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/19/18	12:09	9/18/18	8082A	SG
TMX (surr)	**79 %R**			%	9/19/18	12:09	9/18/18	8082A	SG
DCB (surr)	**59 %R**			%	9/19/18	12:09	9/18/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S11-11A
Lab Sample ID:	186678.21
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.03	0.03	2	mg/kg	9/19/18	12:19	9/18/18	8082A	SG
PCB-1221	< 0.03	0.03	2	mg/kg	9/19/18	12:19	9/18/18	8082A	SG
PCB-1232	< 0.03	0.03	2	mg/kg	9/19/18	12:19	9/18/18	8082A	SG
PCB-1242	< 0.03	0.03	2	mg/kg	9/19/18	12:19	9/18/18	8082A	SG
PCB-1248	**21**	3	156	mg/kg	9/19/18	17:24	9/18/18	8082A	SG
PCB-1254	**14**	3	156	mg/kg	9/19/18	17:24	9/18/18	8082A	SG
PCB-1260	**2.5**	1	62	mg/kg	9/19/18	17:34	9/18/18	8082A	SG
PCB-1262	< 0.03	0.03	2	mg/kg	9/19/18	12:19	9/18/18	8082A	SG
PCB-1268	< 0.03	0.03	2	mg/kg	9/19/18	12:19	9/18/18	8082A	SG
TMX (surr)	**77 %R**			%	9/19/18	12:19	9/18/18	8082A	SG
DCB (surr)	**55 %R**			%	9/19/18	12:19	9/18/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.
Detection limits elevated due to low solids content.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S11-11B
Lab Sample ID:	186678.22
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.03	0.03	2	mg/kg	9/19/18	12:29	9/18/18	8082A	SG
PCB-1221	< 0.03	0.03	2	mg/kg	9/19/18	12:29	9/18/18	8082A	SG
PCB-1232	< 0.03	0.03	2	mg/kg	9/19/18	12:29	9/18/18	8082A	SG
PCB-1242	< 0.03	0.03	2	mg/kg	9/19/18	12:29	9/18/18	8082A	SG
PCB-1248	**23**	3	154	mg/kg	9/19/18	17:43	9/18/18	8082A	SG
PCB-1254	**14**	3	154	mg/kg	9/19/18	17:43	9/18/18	8082A	SG
PCB-1260	**2.7**	1	61	mg/kg	9/19/18	17:53	9/18/18	8082A	SG
PCB-1262	< 0.03	0.03	2	mg/kg	9/19/18	12:29	9/18/18	8082A	SG
PCB-1268	< 0.03	0.03	2	mg/kg	9/19/18	12:29	9/18/18	8082A	SG
TMX (surr)	**71 %R**			%	9/19/18	12:29	9/18/18	8082A	SG
DCB (surr)	**53 %R**			%	9/19/18	12:29	9/18/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.
Detection limits elevated due to low solids content.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S11-11C
Lab Sample ID:	186678.23
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/19/18	12:39	9/18/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/19/18	12:39	9/18/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/19/18	12:39	9/18/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/19/18	12:39	9/18/18	8082A	SG
PCB-1248	**4.5**	0.5	27	mg/kg	9/19/18	18:03	9/18/18	8082A	SG
PCB-1254	< 0.02	0.02	1	mg/kg	9/19/18	12:39	9/18/18	8082A	SG
PCB-1260	**0.27**	0.02	1	mg/kg	9/19/18	12:39	9/18/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/19/18	12:39	9/18/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/19/18	12:39	9/18/18	8082A	SG
TMX (surr)	**80 %R**			%	9/19/18	12:39	9/18/18	8082A	SG
DCB (surr)	**60 %R**			%	9/19/18	12:39	9/18/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	SS-11B
Lab Sample ID:	186678.24
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/19/18	12:48	9/18/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/19/18	12:48	9/18/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/19/18	12:48	9/18/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/19/18	12:48	9/18/18	8082A	SG
PCB-1248	< 0.02	0.02	1	mg/kg	9/19/18	12:48	9/18/18	8082A	SG
PCB-1254	**3.4**	0.2	14	mg/kg	9/19/18	18:12	9/18/18	8082A	SG
PCB-1260	**1.9**	0.2	14	mg/kg	9/19/18	18:12	9/18/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/19/18	12:48	9/18/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/19/18	12:48	9/18/18	8082A	SG
TMX (surr)	**73 %R**			%	9/19/18	12:48	9/18/18	8082A	SG
DCB (surr)	**65 %R**			%	9/19/18	12:48	9/18/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	SS-11C
Lab Sample ID:	186678.25
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.03	0.03	2	mg/kg	9/19/18	12:58	9/18/18	8082A	SG
PCB-1221	< 0.03	0.03	2	mg/kg	9/19/18	12:58	9/18/18	8082A	SG
PCB-1232	< 0.03	0.03	2	mg/kg	9/19/18	12:58	9/18/18	8082A	SG
PCB-1242	< 0.03	0.03	2	mg/kg	9/19/18	12:58	9/18/18	8082A	SG
PCB-1248	**0.21**	0.03	2	mg/kg	9/19/18	12:58	9/18/18	8082A	SG
PCB-1254	**0.27**	0.03	2	mg/kg	9/19/18	12:58	9/18/18	8082A	SG
PCB-1260	**0.74**	0.06	3	mg/kg	9/19/18	18:22	9/18/18	8082A	SG
PCB-1262	< 0.03	0.03	2	mg/kg	9/19/18	12:58	9/18/18	8082A	SG
PCB-1268	< 0.03	0.03	2	mg/kg	9/19/18	12:58	9/18/18	8082A	SG
TMX (surr)	**79 %R**			%	9/19/18	12:58	9/18/18	8082A	SG
DCB (surr)	**60 %R**			%	9/19/18	12:58	9/18/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.
Detection limits elevated due to low solids content.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S11-12A
Lab Sample ID:	186678.26
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/19/18	13:08	9/18/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/19/18	13:08	9/18/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/19/18	13:08	9/18/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/19/18	13:08	9/18/18	8082A	SG
PCB-1248	**1.9**	0.2	13	mg/kg	9/19/18	18:32	9/18/18	8082A	SG
PCB-1254	**4.2**	0.4	27	mg/kg	9/21/18	9:46	9/18/18	8082A	SG
PCB-1260	**0.67**	0.2	13	mg/kg	9/19/18	18:32	9/18/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/19/18	13:08	9/18/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/19/18	13:08	9/18/18	8082A	SG
TMX (surr)	**80 %R**			%	9/19/18	13:08	9/18/18	8082A	SG
DCB (surr)	**58 %R**			%	9/19/18	13:08	9/18/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S11-13A
Lab Sample ID:	186678.27
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/19/18	13:17	9/18/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/19/18	13:17	9/18/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/19/18	13:17	9/18/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/19/18	13:17	9/18/18	8082A	SG
PCB-1248	**13**	1	58	mg/kg	9/19/18		9/18/18	8082A	SG
PCB-1254	**12**	1	58	mg/kg	9/19/18		9/18/18	8082A	SG
PCB-1260	**1.6**	0.1	6	mg/kg	9/19/18		9/18/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/19/18	13:17	9/18/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/19/18	13:17	9/18/18	8082A	SG
TMX (surr)	**74 %R**			%	9/19/18	13:17	9/18/18	8082A	SG
DCB (surr)	**58 %R**			%	9/19/18	13:17	9/18/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S12-1
Lab Sample ID:	186678.28
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.03	0.03	2	mg/kg	9/20/18	13:08	9/19/18	8082A	SG
PCB-1221	< 0.03	0.03	2	mg/kg	9/20/18	13:08	9/19/18	8082A	SG
PCB-1232	< 0.03	0.03	2	mg/kg	9/20/18	13:08	9/19/18	8082A	SG
PCB-1242	< 0.03	0.03	2	mg/kg	9/20/18	13:08	9/19/18	8082A	SG
PCB-1248	**6.9**	0.6	33	mg/kg	9/21/18	12:04	9/19/18	8082A	SG
PCB-1254	**7.7**	0.6	33	mg/kg	9/21/18	12:04	9/19/18	8082A	SG
PCB-1260	**2.0**	0.6	33	mg/kg	9/21/18	12:04	9/19/18	8082A	SG
PCB-1262	< 0.03	0.03	2	mg/kg	9/20/18	13:08	9/19/18	8082A	SG
PCB-1268	< 0.03	0.03	2	mg/kg	9/20/18	13:08	9/19/18	8082A	SG
TMX (surr)	**76 %R**			%	9/20/18	13:08	9/19/18	8082A	SG
DCB (surr)	**51 %R**			%	9/20/18	13:08	9/19/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.
Detection limits elevated due to low solids content.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S12-2
Lab Sample ID:	186678.29
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/20/18	13:17	9/19/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/20/18	13:17	9/19/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/20/18	13:17	9/19/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/20/18	13:17	9/19/18	8082A	SG
PCB-1248	< 0.02	0.02	1	mg/kg	9/20/18	13:17	9/19/18	8082A	SG
PCB-1254	**74**	10	740	mg/kg	9/21/18	15:49	9/19/18	8082A	SG
PCB-1260	**8.7**	0.6	37	mg/kg	9/21/18	12:24	9/19/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/20/18	13:17	9/19/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/20/18	13:17	9/19/18	8082A	SG
TMX (surr)	**78 %R**			%	9/20/18	13:17	9/19/18	8082A	SG
DCB (surr)	**66 %R**			%	9/20/18	13:17	9/19/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S12-3
Lab Sample ID:	186678.3
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.03	0.03	2	mg/kg	9/20/18	13:27	9/19/18	8082A	SG
PCB-1221	< 0.03	0.03	2	mg/kg	9/20/18	13:27	9/19/18	8082A	SG
PCB-1232	< 0.03	0.03	2	mg/kg	9/20/18	13:27	9/19/18	8082A	SG
PCB-1242	< 0.03	0.03	2	mg/kg	9/20/18	13:27	9/19/18	8082A	SG
PCB-1248	< 0.03	0.03	2	mg/kg	9/20/18	13:27	9/19/18	8082A	SG
PCB-1254	**11**	1	86	mg/kg	9/24/18	9:21	9/19/18	8082A	SG
PCB-1260	**2.3**	0.7	43	mg/kg	9/21/18	12:33	9/19/18	8082A	SG
PCB-1262	< 0.03	0.03	2	mg/kg	9/20/18	13:27	9/19/18	8082A	SG
PCB-1268	< 0.03	0.03	2	mg/kg	9/20/18	13:27	9/19/18	8082A	SG
TMX (surr)	**80 %R**			%	9/20/18	13:27	9/19/18	8082A	SG
DCB (surr)	**61 %R**			%	9/20/18	13:27	9/19/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.
Detection limits elevated due to low solids content.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S12-4
Lab Sample ID:	186678.31
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/20/18	13:37	9/19/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/20/18	13:37	9/19/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/20/18	13:37	9/19/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/20/18	13:37	9/19/18	8082A	SG
PCB-1248	< 0.02	0.02	1	mg/kg	9/20/18	13:37	9/19/18	8082A	SG
PCB-1254	**8.5**	0.6	35	mg/kg	9/21/18	12:43	9/19/18	8082A	SG
PCB-1260	**1.8**	0.6	35	mg/kg	9/21/18	12:43	9/19/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/20/18	13:37	9/19/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/20/18	13:37	9/19/18	8082A	SG
TMX (surr)	**79 %R**			%	9/20/18	13:37	9/19/18	8082A	SG
DCB (surr)	**55 %R**			%	9/20/18	13:37	9/19/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S12-5
Lab Sample ID:	186678.32
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/20/18	13:46	9/19/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/20/18	13:46	9/19/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/20/18	13:46	9/19/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/20/18	13:46	9/19/18	8082A	SG
PCB-1248	< 0.02	0.02	1	mg/kg	9/20/18	13:46	9/19/18	8082A	SG
PCB-1254	**22**	2	135	mg/kg	9/21/18	12:53	9/19/18	8082A	SG
PCB-1260	**2.4**	0.2	14	mg/kg	9/21/18	13:03	9/19/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/20/18	13:46	9/19/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/20/18	13:46	9/19/18	8082A	SG
TMX (surr)	**76 %R**			%	9/20/18	13:46	9/19/18	8082A	SG
DCB (surr)	**56 %R**			%	9/20/18	13:46	9/19/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S12-6
Lab Sample ID:	186678.33
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/20/18	15:14	9/19/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/20/18	15:14	9/19/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/20/18	15:14	9/19/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/20/18	15:14	9/19/18	8082A	SG
PCB-1248	**2.1**	0.2	14	mg/kg	9/25/18	14:26	9/19/18	8082A	SG
PCB-1254	**2.4**	0.2	14	mg/kg	9/25/18	14:26	9/19/18	8082A	SG
PCB-1260	**0.78**	0.2	14	mg/kg	9/25/18	14:26	9/19/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/20/18	15:14	9/19/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/20/18	15:14	9/19/18	8082A	SG
TMX (surr)	**83 %R**			%	9/20/18	15:14	9/19/18	8082A	SG
DCB (surr)	**67 %R**			%	9/20/18	15:14	9/19/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S12-7
Lab Sample ID:	186678.34
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/20/18	15:24	9/19/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/20/18	15:24	9/19/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/20/18	15:24	9/19/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/20/18	15:24	9/19/18	8082A	SG
PCB-1248	< 0.02	0.02	1	mg/kg	9/20/18	15:24	9/19/18	8082A	SG
PCB-1254	**5.0**	0.5	28	mg/kg	9/25/18	14:35	9/19/18	8082A	SG
PCB-1260	**1.0**	0.1	7	mg/kg	9/25/18	14:45	9/19/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/20/18	15:24	9/19/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/20/18	15:24	9/19/18	8082A	SG
TMX (surr)	**85 %R**			%	9/20/18	15:24	9/19/18	8082A	SG
DCB (surr)	**71 %R**			%	9/20/18	15:24	9/19/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S12-8
Lab Sample ID:	186678.35
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/20/18	15:33	9/19/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/20/18	15:33	9/19/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/20/18	15:33	9/19/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/20/18	15:33	9/19/18	8082A	SG
PCB-1248	< 0.02	0.02	1	mg/kg	9/20/18	15:33	9/19/18	8082A	SG
PCB-1254	**1.1**	0.1	7	mg/kg	9/25/18	14:55	9/19/18	8082A	SG
PCB-1260	**0.34**	0.02	1	mg/kg	9/20/18	15:33	9/19/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/20/18	15:33	9/19/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/20/18	15:33	9/19/18	8082A	SG
TMX (surr)	**79 %R**			%	9/20/18	15:33	9/19/18	8082A	SG
DCB (surr)	**59 %R**			%	9/20/18	15:33	9/19/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S12-9
Lab Sample ID:	186678.36
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/20/18	15:43	9/19/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/20/18	15:43	9/19/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/20/18	15:43	9/19/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/20/18	15:43	9/19/18	8082A	SG
PCB-1248	< 0.02	0.02	1	mg/kg	9/20/18	15:43	9/19/18	8082A	SG
PCB-1254	**16**	1	66	mg/kg	9/26/18	12:43	9/19/18	8082A	SG
PCB-1260	**2.1**	0.2	13	mg/kg	9/25/18	15:14	9/19/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/20/18	15:43	9/19/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/20/18	15:43	9/19/18	8082A	SG
TMX (surr)	**78 %R**			%	9/20/18	15:43	9/19/18	8082A	SG
DCB (surr)	**59 %R**			%	9/20/18	15:43	9/19/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	SS-12B
Lab Sample ID:	186678.37
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/20/18	15:53	9/19/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/20/18	15:53	9/19/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/20/18	15:53	9/19/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/20/18	15:53	9/19/18	8082A	SG
PCB-1248	**3.1**	0.2	13	mg/kg	9/26/18	12:52	9/19/18	8082A	SG
PCB-1254	**1.7**	0.2	13	mg/kg	9/26/18	12:52	9/19/18	8082A	SG
PCB-1260	**0.18**	0.02	1	mg/kg	9/20/18	15:53	9/19/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/20/18	15:53	9/19/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/20/18	15:53	9/19/18	8082A	SG
TMX (surr)	**79 %R**			%	9/20/18	15:53	9/19/18	8082A	SG
DCB (surr)	**58 %R**			%	9/20/18	15:53	9/19/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S7-1
Lab Sample ID:	186678.52
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/20/18	16:03	9/19/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/20/18	16:03	9/19/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/20/18	16:03	9/19/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/20/18	16:03	9/19/18	8082A	SG
PCB-1248	**2.6**	0.2	12	mg/kg	9/25/18	15:33	9/19/18	8082A	SG
PCB-1254	**1.8**	0.2	12	mg/kg	9/25/18	15:33	9/19/18	8082A	SG
PCB-1260	**1.5**	0.2	12	mg/kg	9/25/18	15:33	9/19/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/20/18	16:03	9/19/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/20/18	16:03	9/19/18	8082A	SG
TMX (surr)	**76 %R**			%	9/20/18	16:03	9/19/18	8082A	SG
DCB (surr)	**69 %R**			%	9/20/18	16:03	9/19/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S7-2
Lab Sample ID:	186678.53
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/20/18	16:12	9/19/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/20/18	16:12	9/19/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/20/18	16:12	9/19/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/20/18	16:12	9/19/18	8082A	SG
PCB-1248	< 0.02	0.02	1	mg/kg	9/20/18	16:12	9/19/18	8082A	SG
PCB-1254	**0.18**	0.02	1	mg/kg	9/20/18	16:12	9/19/18	8082A	SG
PCB-1260	< 0.02	0.02	1	mg/kg	9/20/18	16:12	9/19/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/20/18	16:12	9/19/18	8082A	SG
PCB-1268	**0.34**	0.02	1	mg/kg	9/20/18	16:12	9/19/18	8082A	SG
TMX (surr)	**78 %R**			%	9/20/18	16:12	9/19/18	8082A	SG
DCB (surr)	**92 %R**			%	9/20/18	16:12	9/19/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S7-3
Lab Sample ID:	186678.54
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.03	0.03	2	mg/kg	9/20/18	16:22	9/19/18	8082A	SG
PCB-1221	< 0.03	0.03	2	mg/kg	9/20/18	16:22	9/19/18	8082A	SG
PCB-1232	< 0.03	0.03	2	mg/kg	9/20/18	16:22	9/19/18	8082A	SG
PCB-1242	< 0.03	0.03	2	mg/kg	9/20/18	16:22	9/19/18	8082A	SG
PCB-1248	< 0.03	0.03	2	mg/kg	9/20/18	16:22	9/19/18	8082A	SG
PCB-1254	**0.29**	0.03	2	mg/kg	9/20/18	16:22	9/19/18	8082A	SG
PCB-1260	**0.24**	0.03	2	mg/kg	9/20/18	16:22	9/19/18	8082A	SG
PCB-1262	< 0.03	0.03	2	mg/kg	9/20/18	16:22	9/19/18	8082A	SG
PCB-1268	**0.25**	0.03	2	mg/kg	9/20/18	16:22	9/19/18	8082A	SG
TMX (surr)	**77 %R**			%	9/20/18	16:22	9/19/18	8082A	SG
DCB (surr)	**84 %R**			%	9/20/18	16:22	9/19/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC. Detection limits elevated due to low solids content.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S7-4
Lab Sample ID:	186678.55
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.04	0.04	2	mg/kg	9/20/18	16:32	9/19/18	8082A	SG
PCB-1221	< 0.04	0.04	2	mg/kg	9/20/18	16:32	9/19/18	8082A	SG
PCB-1232	< 0.04	0.04	2	mg/kg	9/20/18	16:32	9/19/18	8082A	SG
PCB-1242	< 0.04	0.04	2	mg/kg	9/20/18	16:32	9/19/18	8082A	SG
PCB-1248	< 0.04	0.04	2	mg/kg	9/20/18	16:32	9/19/18	8082A	SG
PCB-1254	**0.071**	0.04	2	mg/kg	9/20/18	16:32	9/19/18	8082A	SG
PCB-1260	**0.11**	0.04	2	mg/kg	9/20/18	16:32	9/19/18	8082A	SG
PCB-1262	< 0.04	0.04	2	mg/kg	9/20/18	16:32	9/19/18	8082A	SG
PCB-1268	**0.070**	0.04	2	mg/kg	9/20/18	16:32	9/19/18	8082A	SG
TMX (surr)	**78 %R**			%	9/20/18	16:32	9/19/18	8082A	SG
DCB (surr)	**49 %R**			%	9/20/18	16:32	9/19/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC. Detection limits elevated due to low solids content.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S7-5
Lab Sample ID:	186678.56
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/20/18	16:42	9/19/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/20/18	16:42	9/19/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/20/18	16:42	9/19/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/20/18	16:42	9/19/18	8082A	SG
PCB-1248	< 0.02	0.02	1	mg/kg	9/20/18	16:42	9/19/18	8082A	SG
PCB-1254	**0.21**	0.02	1	mg/kg	9/20/18	16:42	9/19/18	8082A	SG
PCB-1260	**0.22**	0.02	1	mg/kg	9/20/18	16:42	9/19/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/20/18	16:42	9/19/18	8082A	SG
PCB-1268	**0.076**	0.02	1	mg/kg	9/20/18	16:42	9/19/18	8082A	SG
TMX (surr)	**80 %R**			%	9/20/18	16:42	9/19/18	8082A	SG
DCB (surr)	**57 %R**			%	9/20/18	16:42	9/19/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S7-FDUP5
Lab Sample ID:	186678.57
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/20/18	16:51	9/19/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/20/18	16:51	9/19/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/20/18	16:51	9/19/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/20/18	16:51	9/19/18	8082A	SG
PCB-1248	< 0.02	0.02	1	mg/kg	9/20/18	16:51	9/19/18	8082A	SG
PCB-1254	< 0.02	0.02	1	mg/kg	9/20/18	16:51	9/19/18	8082A	SG
PCB-1260	**0.59**	0.08	5	mg/kg	9/25/18	15:43	9/19/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/20/18	16:51	9/19/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/20/18	16:51	9/19/18	8082A	SG
TMX (surr)	**78 %R**			%	9/20/18	16:51	9/19/18	8082A	SG
DCB (surr)	**55 %R**			%	9/20/18	16:51	9/19/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S7-6
Lab Sample ID:	186678.58
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/20/18	17:01	9/19/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/20/18	17:01	9/19/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/20/18	17:01	9/19/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/20/18	17:01	9/19/18	8082A	SG
PCB-1248	< 0.02	0.02	1	mg/kg	9/20/18	17:01	9/19/18	8082A	SG
PCB-1254	< 0.02	0.02	1	mg/kg	9/20/18	17:01	9/19/18	8082A	SG
PCB-1260	**0.24**	0.02	1	mg/kg	9/20/18	17:01	9/19/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/20/18	17:01	9/19/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/20/18	17:01	9/19/18	8082A	SG
TMX (surr)	**83 %R**			%	9/20/18	17:01	9/19/18	8082A	SG
DCB (surr)	**58 %R**			%	9/20/18	17:01	9/19/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S7-7
Lab Sample ID:	186678.59
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.04	0.04	2	mg/kg	9/20/18	17:11	9/19/18	8082A	SG
PCB-1221	< 0.04	0.04	2	mg/kg	9/20/18	17:11	9/19/18	8082A	SG
PCB-1232	< 0.04	0.04	2	mg/kg	9/20/18	17:11	9/19/18	8082A	SG
PCB-1242	< 0.04	0.04	2	mg/kg	9/20/18	17:11	9/19/18	8082A	SG
PCB-1248	< 0.04	0.04	2	mg/kg	9/20/18	17:11	9/19/18	8082A	SG
PCB-1254	< 0.04	0.04	2	mg/kg	9/20/18	17:11	9/19/18	8082A	SG
PCB-1260	**1.4**	0.2	9	mg/kg	9/25/18	15:53	9/19/18	8082A	SG
PCB-1262	< 0.04	0.04	2	mg/kg	9/20/18	17:11	9/19/18	8082A	SG
PCB-1268	< 0.04	0.04	2	mg/kg	9/20/18	17:11	9/19/18	8082A	SG
TMX (surr)	**70 %R**			%	9/20/18	17:11	9/19/18	8082A	SG
DCB (surr)	**43 %R**			%	9/20/18	17:11	9/19/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC. Detection limits elevated due to low solids content.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S7-8
Lab Sample ID:	186678.6
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.03	0.03	2	mg/kg	9/20/18	17:20	9/19/18	8082A	SG
PCB-1221	< 0.03	0.03	2	mg/kg	9/20/18	17:20	9/19/18	8082A	SG
PCB-1232	< 0.03	0.03	2	mg/kg	9/20/18	17:20	9/19/18	8082A	SG
PCB-1242	< 0.03	0.03	2	mg/kg	9/20/18	17:20	9/19/18	8082A	SG
PCB-1248	< 0.03	0.03	2	mg/kg	9/20/18	17:20	9/19/18	8082A	SG
PCB-1254	**0.036**	0.03	2	mg/kg	9/20/18	17:20	9/19/18	8082A	SG
PCB-1260	**0.042**	0.03	2	mg/kg	9/20/18	17:20	9/19/18	8082A	SG
PCB-1262	< 0.03	0.03	2	mg/kg	9/20/18	17:20	9/19/18	8082A	SG
PCB-1268	< 0.03	0.03	2	mg/kg	9/20/18	17:20	9/19/18	8082A	SG
TMX (surr)	**71 %R**			%	9/20/18	17:20	9/19/18	8082A	SG
DCB (surr)	**78 %R**			%	9/20/18	17:20	9/19/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC. Detection limits elevated due to low solids content.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S7-9
Lab Sample ID:	186678.61
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/20/18	17:30	9/19/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/20/18	17:30	9/19/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/20/18	17:30	9/19/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/20/18	17:30	9/19/18	8082A	SG
PCB-1248	< 0.02	0.02	1	mg/kg	9/20/18	17:30	9/19/18	8082A	SG
PCB-1254	< 0.02	0.02	1	mg/kg	9/20/18	17:30	9/19/18	8082A	SG
PCB-1260	**1.4**	0.1	6	mg/kg	9/25/18	16:03	9/19/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/20/18	17:30	9/19/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/20/18	17:30	9/19/18	8082A	SG
TMX (surr)	**68 %R**			%	9/20/18	17:30	9/19/18	8082A	SG
DCB (surr)	**45 %R**			%	9/20/18	17:30	9/19/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	S7-FDUP9
Lab Sample ID:	186678.62
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/20/18	17:40	9/19/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/20/18	17:40	9/19/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/20/18	17:40	9/19/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/20/18	17:40	9/19/18	8082A	SG
PCB-1248	< 0.02	0.02	1	mg/kg	9/20/18	17:40	9/19/18	8082A	SG
PCB-1254	< 0.02	0.02	1	mg/kg	9/20/18	17:40	9/19/18	8082A	SG
PCB-1260	**1.6**	0.1	7	mg/kg	9/26/18	13:02	9/19/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/20/18	17:40	9/19/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/20/18	17:40	9/19/18	8082A	SG
TMX (surr)	**74 %R**			%	9/20/18	17:40	9/19/18	8082A	SG
DCB (surr)	**53 %R**			%	9/20/18	17:40	9/19/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**
Client Designation: **Lavoie Property / 70705.00**

Client Sample ID:	SS-07B
Lab Sample ID:	186678.66
Matrix:	solid
Date Sampled:	9/13/18
Date Received:	9/14/18

	Result	RL	Dilution Factor	Units	Date / Time Analyzed		Date Prepared	Method	Analyst
PCB-1016	< 0.02	0.02	1	mg/kg	9/20/18	17:49	9/19/18	8082A	SG
PCB-1221	< 0.02	0.02	1	mg/kg	9/20/18	17:49	9/19/18	8082A	SG
PCB-1232	< 0.02	0.02	1	mg/kg	9/20/18	17:49	9/19/18	8082A	SG
PCB-1242	< 0.02	0.02	1	mg/kg	9/20/18	17:49	9/19/18	8082A	SG
PCB-1248	< 0.02	0.02	1	mg/kg	9/20/18	17:49	9/19/18	8082A	SG
PCB-1254	< 0.02	0.02	1	mg/kg	9/20/18	17:49	9/19/18	8082A	SG
PCB-1260	**0.030**	0.02	1	mg/kg	9/20/18	17:49	9/19/18	8082A	SG
PCB-1262	< 0.02	0.02	1	mg/kg	9/20/18	17:49	9/19/18	8082A	SG
PCB-1268	< 0.02	0.02	1	mg/kg	9/20/18	17:49	9/19/18	8082A	SG
TMX (surr)	**74 %R**			%	9/20/18	17:49	9/19/18	8082A	SG
DCB (surr)	**49 %R**			%	9/20/18	17:49	9/19/18	8082A	SG

Acid clean-up was performed on the samples and associated batch QC.

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**

Client Designation: **Lavoie Property / 70705.00**

Sample ID:	SS-11B	SS-11C	M-1	SS-10B					
Lab Sample ID:	186678.24	186678.25	186678.38	186678.39					
Matrix:	solid	solid	solid	solid					
Date Sampled:	9/13/18	9/13/18	9/13/18	9/13/18	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	9/14/18	9/14/18	9/14/18	9/14/18					
Antimony	**3.2**	**2.8**	**5.8**	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS
Arsenic	**12**	**8.6**	**14**	**3.5**	SolTotDry	mg/kg	9/18/18	6020	DS
Beryllium	< 0.5	< 0.5	< 0.5	**0.59**	SolTotDry	mg/kg	9/18/18	6020	DS
Cadmium	**4.3**	**3.3**	**9.1**	**3.0**	SolTotDry	mg/kg	9/18/18	6020	DS
Chromium	**30**	**31**	**78**	**14**	SolTotDry	mg/kg	9/18/18	6020	DS
Copper	**140**	**190**	**720**	**29**	SolTotDry	mg/kg	9/18/18	6020	DS
Lead	**720**	**460**	**480**	**57**	SolTotDry	mg/kg	9/18/18	6020	DS
Mercury	**3.1**	**10**	**2.4**	**0.12**	SolTotDry	mg/kg	9/18/18	6020	DS
Nickel	**60**	**84**	**65**	**20**	SolTotDry	mg/kg	9/18/18	6020	DS
Selenium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS
Silver	< 0.5	< 0.5	**0.61**	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS
Thallium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS
Zinc	**350**	**990**	**720**	**170**	SolTotDry	mg/kg	9/18/18	6020	DS

Sample ID:	SS-10C	M-2	M-3	M-4					
Lab Sample ID:	186678.4	186678.41	186678.42	186678.43					
Matrix:	solid	solid	solid	solid					
Date Sampled:	9/13/18	9/13/18	9/13/18	9/13/18	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	9/14/18	9/14/18	9/14/18	9/14/18					
Antimony	**0.94**	**3.2**	**54**	**14**	SolTotDry	mg/kg	9/18/18	6020	DS
Arsenic	**4.1**	**9.4**	**18**	**9.1**	SolTotDry	mg/kg	9/18/18	6020	DS
Beryllium	**0.63**	< 0.5	< 0.5	**0.72**	SolTotDry	mg/kg	9/18/18	6020	DS
Cadmium	**5.1**	**6.9**	**36**	**32**	SolTotDry	mg/kg	9/18/18	6020	DS
Chromium	**18**	**48**	**96**	**40**	SolTotDry	mg/kg	9/18/18	6020	DS
Copper	**98**	**220**	**2900**	**6000**	SolTotDry	mg/kg	9/18/18	6020	DS
Lead	**150**	**240**	**4300**	**1000**	SolTotDry	mg/kg	9/18/18	6020	DS
Mercury	< 0.1	**1.5**	**7**	**10**	SolTotDry	mg/kg	9/18/18	6020	DS
Nickel	**32**	**63**	**240**	**58**	SolTotDry	mg/kg	9/18/18	6020	DS
Selenium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS
Silver	< 0.5	< 0.5	**4.6**	**16**	SolTotDry	mg/kg	9/18/18	6020	DS
Thallium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS
Zinc	**190**	**1300**	**2700**	**2600**	SolTotDry	mg/kg	9/18/18	6020	DS

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**

Client Designation: **Lavoie Property / 70705.00**

Sample ID:	M-5	M-6	SS-03B	SS-05B					
Lab Sample ID:	186678.44	186678.45	186678.46	186678.47					
Matrix:	solid	solid	solid	solid					
Date Sampled:	9/13/18	9/13/18	9/13/18	9/13/18	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	9/14/18	9/14/18	9/14/18	9/14/18					
Antimony	**6.1**	< 0.5	**9.0**	**0.83**	SolTotDry	mg/kg	9/18/18	6020	DS
Arsenic	**12**	**4.9**	**9.1**	**2.7**	SolTotDry	mg/kg	9/18/18	6020	DS
Beryllium	< 0.5	< 0.5	**5.1**	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS
Cadmium	**78**	**0.80**	**16**	**0.84**	SolTotDry	mg/kg	9/18/18	6020	DS
Chromium	**51**	**11**	**28**	**8.8**	SolTotDry	mg/kg	9/18/18	6020	DS
Copper	**4100**	**18**	**4900**	**710**	SolTotDry	mg/kg	9/18/18	6020	DS
Lead	**1200**	**32**	**570**	**200**	SolTotDry	mg/kg	9/18/18	6020	DS
Mercury	**1.1**	**0.13**	**0.63**	**0.11**	SolTotDry	mg/kg	9/18/18	6020	DS
Nickel	**160**	**10**	**34**	**11**	SolTotDry	mg/kg	9/18/18	6020	DS
Selenium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS
Silver	**2.1**	< 0.5	**7.9**	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS
Thallium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS
Zinc	**1600**	**140**	**820**	**110**	SolTotDry	mg/kg	9/18/18	6020	DS

Sample ID:	SS-05C	M-7	M-8	M-FDUP5					
Lab Sample ID:	186678.48	186678.49	186678.5	186678.51					
Matrix:	solid	solid	solid	solid					
Date Sampled:	9/13/18	9/13/18	9/13/18	9/13/18	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	9/14/18	9/14/18	9/14/18	9/14/18					
Antimony	< 0.5	**12**	**0.77**	**3.1**	SolTotDry	mg/kg	9/18/18	6020	DS
Arsenic	**2.8**	**6.0**	**24**	**13**	SolTotDry	mg/kg	9/18/18	6020	DS
Beryllium	< 0.5	< 0.5	**0.51**	**0.62**	SolTotDry	mg/kg	9/18/18	6020	DS
Cadmium	< 0.5	**7.8**	**0.67**	**15**	SolTotDry	mg/kg	9/18/18	6020	DS
Chromium	**13**	**24**	**14**	**75**	SolTotDry	mg/kg	9/18/18	6020	DS
Copper	**12**	**3600**	**70**	**2400**	SolTotDry	mg/kg	9/18/18	6020	DS
Lead	**9.4**	**880**	**110**	**590**	SolTotDry	mg/kg	9/18/18	6020	DS
Mercury	< 0.1	**0.63**	**0.11**	**0.58**	SolTotDry	mg/kg	9/18/18	6020	DS
Nickel	**8.8**	**44**	**11**	**250**	SolTotDry	mg/kg	9/18/18	6020	DS
Selenium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS
Silver	< 0.5	**0.95**	< 0.5	**2.5**	SolTotDry	mg/kg	9/18/18	6020	DS
Thallium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS
Zinc	**38**	**660**	**140**	**1300**	SolTotDry	mg/kg	9/18/18	6020	DS

LABORATORY REPORT

EAI ID#: **186678**

Client: **Nobis Group**

Client Designation: **Lavoie Property / 70705.00**

Sample ID:	M-FDUP7	SS-06B	SS-06C	SS-07B					
Lab Sample ID:	186678.63	186678.64	186678.65	186678.66					
Matrix:	solid	solid	solid	solid					
Date Sampled:	9/13/18	9/13/18	9/13/18	9/13/18	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**
Date Received:	9/14/18	9/14/18	9/14/18	9/14/18					
Antimony	**16**	**1.3**	< 0.5	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS
Arsenic	**8.0**	**43**	**3.3**	**4.6**	SolTotDry	mg/kg	9/18/18	6020	DS
Beryllium	< 0.5	**0.55**	**0.53**	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS
Cadmium	**10**	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS
Chromium	**53**	**15**	**12**	**12**	SolTotDry	mg/kg	9/18/18	6020	DS
Copper	**6400**	**63**	**11**	**18**	SolTotDry	mg/kg	9/18/18	6020	DS
Lead	**920**	**97**	**9.6**	**47**	SolTotDry	mg/kg	9/18/18	6020	DS
Mercury	**0.82**	**0.11**	< 0.1	< 0.1	SolTotDry	mg/kg	9/18/18	6020	DS
Nickel	**33**	**9.3**	**8.7**	**6.3**	SolTotDry	mg/kg	9/18/18	6020	DS
Selenium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS
Silver	**1.4**	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS
Thallium	< 0.5	< 0.5	< 0.5	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS
Zinc	**790**	**130**	**42**	**100**	SolTotDry	mg/kg	9/18/18	6020	DS

Sample ID:	SS-07C						
Lab Sample ID:	186678.67						
Matrix:	solid						
Date Sampled:	9/13/18	**Analytical Matrix**	**Units**	**Date of Analysis**	**Method**	**Analyst**	
Date Received:	9/14/18						
Antimony	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS	
Arsenic	**2.4**	SolTotDry	mg/kg	9/18/18	6020	DS	
Beryllium	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS	
Cadmium	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS	
Chromium	**12**	SolTotDry	mg/kg	9/18/18	6020	DS	
Copper	**10**	SolTotDry	mg/kg	9/18/18	6020	DS	
Lead	**9.8**	SolTotDry	mg/kg	9/18/18	6020	DS	
Mercury	< 0.1	SolTotDry	mg/kg	9/18/18	6020	DS	
Nickel	**7.5**	SolTotDry	mg/kg	9/18/18	6020	DS	
Selenium	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS	
Silver	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS	
Thallium	< 0.5	SolTotDry	mg/kg	9/18/18	6020	DS	
Zinc	**43**	SolTotDry	mg/kg	9/18/18	6020	DS	

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CHAIN-OF-CUSTODY RECORD

186678

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

SAMPLE I.D.	SAMPLING DATE / TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE / TIME	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC: 524.2 / 524.2 BTEX / 524.2 MTBE ONLY / 8260 624 VTICS / 1, 4 DIOXANE / 8021 BTEX HALOS / 8015 GRO MAPH	SVOC: 8270 625 SVTICS EDB DBCP / ABN A BN PAH / TPH8100 L1 L2 / 8015 DRO MAEPH / PEST 608 PCB 608 / PEST 8081 PCB 8082 / OIL & GREASE 1664 TPH 1664	TCLP: TCLP 1311 ABN METALS / VOC PEST HERB	METALS: DISSOLVED METALS (LIST BELOW) / TOTAL METALS (LIST BELOW)	INORGANICS: TS TSS TDS SPEC. CON. / BR CL F SO4 NO2 NO3 NO2NO3 / BOD CBOD T. ALK. / TKN NH3 T. PHOS. O. PHOS. / PH T. RES. CHLORINE / COD PHENOLS TOC DOC / TOTAL CYANIDE TOTAL SULFIDE / REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	MICRO: TOTAL COLIFORM E. COLI / FECAL COLIFORM / ENTEROCOCCI HETEROTROPHIC PLATE COUNT	OTHER	# OF CONTAINERS	NOTES MEOH VIAL #
CS-1	9/13/18 / 1240	S	G					X				1	
CS-FD01	1255												
CS-2	1300												
S11-1A	1330												
S11-2A	1340												
S11-3A	1345												
S11-4A	1350												
S11-4B	1407												
S11-5A	1400												
S11-5B	1416												

MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER

PRESERVATIVE: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH

PROJECT MANAGER: TIM ANDREWS

COMPANY: NOBIS

ADDRESS: 18 CHENELL DR.

CITY: CONCORD STATE: NH ZIP: 03301

PHONE: 603-224-4182 EXT.:

FAX:

E-MAIL: TANDREWS@NOBISENG.COM

SITE NAME: LAVOIE PROPERTY

PROJECT #: 70705.003

STATE: (NH) MA ME VT OTHER:

REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR GWP, OIL FUND ~~BROWNFIELD~~ OR OTHER:

QUOTE #: PO #:

DATE NEEDED: STANDARD TAT

QA/QC REPORTING LEVEL

A B C

OR

MA MCP

REPORTING OPTIONS

PRELIMS: (YES) OR NO

ELECTRONIC OPTIONS

E-MAIL (PDF) EQUIS (EXCEL)

TEMP. 4.7 °C

ICE? (YES) NO

SAMPLER(S): DB / JS

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
	9.14.18	1550	
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

METALS: 8 RCRA 13 PP FE, MN PB, CU

OTHER METALS:

SAMPLES FIELD FILTERED? ☐ YES ☐ NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

CS SAMPLES CONCRETE POWDER MATRIX

SITE HISTORY:

SUSPECTED CONTAMINATION:

FIELD READINGS:

Eastern Analytical, Inc.
professional laboratory and drilling services
25 CHENELL DRIVE | CONCORD, NH 03301 | TEL: 603.228.0525 | 1.800.287.0525 | E-MAIL: CUSTOMERSERVICE@EASTERNANALYTICAL.COM | WWW.EASTERNANALYTICAL.COM

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)

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CHAIN-OF-CUSTODY RECORD

FOR LAB USE ONLY 186678

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

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SAMPLE I.D.	SAMPLING DATE / TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE / TIME	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC: 524.2 BTEX; 524.2 BTEX 524.2 MTBE ONLY; 8260 624 VTICS; 1, 4 DIOXANE; 8021 BTEX HALOS; 8015 GRO MAVPH	SVOC: 8270 625 SVTICS EDB DBCP; ABN A BN PAH; TPH8100 LI L2; 8015 DRO MAEPH; PEST 608 PEST 8081 PCB 608 PCB 8082; OIL & GREASE 1664 TPH 1664	TCLP: TCLP 1311 VOC PEST ABN METALS HERB	METALS: DISSOLVED METALS (LIST BELOW); TOTAL METALS (LIST BELOW)	INORGANICS: TS TSS TDS SPEC. CON.; BR CL F SO4 NO2 NO3 NO2-NO3; BOD CBOD T. ALK.; TKN NH3 T. PHOS. O. PHOS.; pH T. REG. CHLORINE; COD PHENOLS TOC DOC; TOTAL CYANIDE TOTAL SULFIDE; REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	MICRO: TOTAL COLIFORM E. COLI; FECAL COLIFORM; ENTEROCOCCI HETEROTROPHIC PLATE COUNT	OTHER	# OF CONTAINERS	NOTES MEOH VIAL #
S11-5C	9/13/18 / 1419	S	G		X							1	
S11-6A	1405												
S11-6B	1430												
S11-7A	1410												
S11-7B	1440												
S11-8A	1418												
S11-9A	1422												
S11-9B	1450												
S11-9C	1458												
S11-10A	1505												

MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER

PRESERVATIVE: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH

PROJECT MANAGER: TIM ANDREWS

COMPANY: NOBIS

ADDRESS: 18 CHENELL DR.

CITY: CONCORD STATE: NH ZIP: 03301

PHONE: 603-224-4182 EXT.:

FAX:

E-MAIL: TANDREWS@NOBISENG.COM

SITE NAME: LAVOIE PROPERTY

PROJECT #: 70705.00

STATE: (NH) MA ME VT OTHER:

REGULATORY PROGRAM: NPDES: RGP, POTW STORMWATER OR GWP, OIL FUND, (BROWNFIELD) OR OTHER:

QUOTE #: PO #:

DATE NEEDED: STANDARD TAT

QA/QC REPORTING LEVEL

A B C

OR

MA MCP

REPORTING OPTIONS

PRELIMS: (YES) OR NO

ELECTRONIC OPTIONS

E-MAIL PDF EQUIS (EXCEL)

TEMP. 4.7 °C

ICE? (YES) NO

SAMPLER(S): DB/JS

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
	9-14-18	1550	
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

METALS: 8 RCRA 13 PP FE, MN PB, CU

OTHER METALS:

SAMPLES FIELD FILTERED? ☐ YES ☐ NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

SITE HISTORY:

SUSPECTED CONTAMINATION:

FIELD READINGS:

Eastern Analytical, Inc.
professional laboratory and drilling services

25 CHENELL DRIVE | CONCORD, NH 03301 | TEL: 603.228.0525 | 1.800.287.0525 | E-MAIL: CUSTOMERSERVICE@EASTERNANALYTICAL.COM | WWW.EASTERNANALYTICAL.COM

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)

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CHAIN-OF-CUSTODY RECORD

FOR LAB USE ONLY 18 6678

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

SAMPLE I.D.	SAMPLING DATE / TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE / TIME	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC: 524.2 BTEX; 524.2 MTBE ONLY; 524.2 VTICS; 8260 624; 1,4 DIOXANE; 8021 BTEX; 8021 HALOS; 8015 GRO; MAVPH	SVOC: 8270 625 SVTICS EDB DBCP ABN A BN PAH; TPH8100 LI L2; 8015 DRO MAEPH; PEST 608 PCB 608 PEST 8081 PCB 8082; OIL & GREASE 1664 TPH 1664	TCLP: TCLP 1311 ABN METALS VOC PEST HERB	METALS: DISSOLVED METALS (LIST BELOW); TOTAL METALS (LIST BELOW)	INORGANICS: TS TSS TDS SPEC. CON.; BR CL F SO4 NO2 NO2,NO3; BOD CBOD T. ALK.; TKN NH3 T. PHOS. O. PHOS.; PH T. RES. CHLORINE; COD PHENOLS TOC DOC; TOTAL CYANIDE TOTAL SULFIDE; REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	MICRO: TOTAL COLIFORM E. COLI FECAL COLIFORM; ENTEROCOCCI HETEROTROPHIC PLATE COUNT	OTHER	# OF CONTAINERS	NOTES MEOH VIAL #
S11-11A	9/13/18 / 1512	S	G								1	
S11-11B	1506											
S11-11C	1509											
S5-11B	1359						X					
S5-11C	1402						X					
S11-12A	1515											
S11-13A	1520											
S12-1	1527											
S12-2	1530											
S12-3	1535											

MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER

PRESERVATIVE: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH

PROJECT MANAGER: TIM ANDREWS

COMPANY: NOBIS

ADDRESS: 18 CHENELL DR

CITY: CONCORD STATE: NH ZIP: 03301

PHONE: 603-224-4182 EXT.:

FAX:

E-MAIL: TANDREWS@NOBISENG.COM

SITE NAME: LAVOIE PROPERTY

PROJECT #: 70705.00

STATE: (NH) MA ME VT OTHER:

REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR GWP, OIL FUND, (BROWNFIELD) OR OTHER:

QUOTE #: PO #:

DATE NEEDED: STANDARD TAT

QA/QC REPORTING LEVEL: A B C OR MA MCP

REPORTING OPTIONS: PRELIMS: (YES) OR NO

ELECTRONIC OPTIONS: E-MAIL (PDF) EQUIS (EXCEL)

TEMP. 4.7 °C

ICE? (YES) NO

SAMPLER(S): DB / JS

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
	9-14-18	1550	
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

METALS: 8 RCRA (13 PP) FE, MN PB, CU

OTHER METALS:

SAMPLES FIELD FILTERED? ☐ YES ☐ NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

SITE HISTORY:

SUSPECTED CONTAMINATION:

FIELD READINGS:

Eastern Analytical, Inc.
professional laboratory and drilling services
25 CHENELL DRIVE | CONCORD, NH 03301 | TEL: 603.228.0525 | 1.800.287.0525 | E-MAIL: CUSTOMERSERVICE@EASTERNANALYTICAL.COM | WWW.EASTERNANALYTICAL.COM

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)

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CHAIN-OF-CUSTODY RECORD

FOR LAB USE ONLY: 18667

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

SAMPLE I.D.	SAMPLING DATE / TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE / TIME	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC: 524.2 / 524.2 BTEX / 8260 / 8021	VOC: 524.2 MTBE ONLY / 524.2 VTICS / 624 / BTEX	VOC: 1, 4 DIOXANE / HALOS / MAVPH / MAPH	SVOC: 8270 / 625 / ABN / TPH8100 / 8015 DRO / PEST 608 / PEST 8081	SVOC: SVTICS / A / BN / LI / MAEPH / PCB 608 / PCB 8082	SVOC: EDB / PAH / L2 / OIL & GREASE / 1664 / TPH 1664	SVOC: DBCP / TCLP 1311 / VOC / PEST / 8015 GRO	TCLP: ABN / HERB / METALS	METALS: DISSOLVED METALS (LIST BELOW)	METALS: TOTAL METALS (LIST BELOW)	INORGANICS: TS / TSS / TDS / SPEC. CON.	INORGANICS: BR / CL / F / SO4 / NO2 / NO3 / NO2-NO3	INORGANICS: BOD / CBOD / T. ALK.	INORGANICS: TKN / NH3 / T. PHOS. / O. PHOS.	INORGANICS: PH / T. RES. CHLORINE	INORGANICS: COD / PHENOLS / TOC / DOC	INORGANICS: TOTAL CYANIDE / TOTAL SULFIDE	INORGANICS: REACTIVE CYANIDE / REACTIVE SULFIDE / FLASHPOINT / IGNITABILITY	MICRO: TOTAL COLIFORM / E. COLI / FECAL COLIFORM	MICRO: ENTEROCOCCI / HETEROTROPHIC PLATE COUNT	OTHER	# OF CONTAINERS	NOTES MEOH VIAL #
S12-4	9/13/18 / 1537	S	G					X																		1	
S12-5	1543																										
S12-6	1549																										
S12-7	1552																										
S12-8	1555																										
S12-9	1559																										
SS-12B	1602																										
M-1	1620												X														
SS-10B	1630												X														
SS-10C	1640												X														

MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER

PRESERVATIVE: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH

PROJECT MANAGER: TIM ANDREWS

COMPANY: NOBIS

ADDRESS: 18 CHENELL DR

CITY: CONCORD STATE: NH ZIP: 03301

PHONE: 603-224-4182 EXT.:

FAX:

E-MAIL: TANDREWS@NOBISENG.COM

SITE NAME: LAVOIE PROPERTY

PROJECT #: 70705.00

STATE: (NH) MA ME VT OTHER:

REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR GWP, OIL FUND, (BROWNFIELD) OR OTHER:

QUOTE #: PO #:

DATE NEEDED: STANDARD TAT

QA/QC REPORTING LEVEL: A B C OR MA MCP

REPORTING OPTIONS: PRELIMS: (YES) OR NO

ELECTRONIC OPTIONS: E-MAIL (PDF) EQUIS (EXCEL)

TEMP. 4.7 °C

ICE? (YES) NO

SAMPLER(S): DB/JS

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
	9.14.18	1550	
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

METALS: 8 RCRA (13PP) FE, MN PB, CU

OTHER METALS:

SAMPLES FIELD FILTERED? ☐ YES ☐ NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

SITE HISTORY:

SUSPECTED CONTAMINATION:

FIELD READINGS:

Eastern Analytical, Inc.
professional laboratory and drilling services
25 CHENELL DRIVE | CONCORD, NH 03301 | TEL: 603.228.0525 | 1.800.287.0525 | E-MAIL: CUSTOMERSERVICE@EASTERNANALYTICAL.COM | WWW.EASTERNANALYTICAL.COM

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)

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CHAIN-OF-CUSTODY RECORD

FOR LAB USE ONLY 186678

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

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SAMPLE I.D.	SAMPLING DATE / TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE / TIME	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC: 524.2 / 524.2 BTEX 524.2 MTBE ONLY	8260 624 VTICS	1,4 DIOXANE	8021 BTEX HALOS	8015 GRO MAVPH	SVOC: 8270 625 SVTICS EDB DBCP	ABN A BN PAH	TPH8100 LI L2	8015 DRO MAEPH	PEST 608 PCB 608	PEST 8081 PCB 8082	OIL & GREASE 1664 TPH 1664	TCLP: TCLP 1311 ABN METALS	VOC PEST HERB	METALS: DISSOLVED METALS (LIST BELOW)	TOTAL METALS (LIST BELOW)	INORGANICS: TS TSS TDS SPEC. CON.	BR CL F SO_4	NO_2 NO_3 NO_2-NO_3	BOD CBOD T. ALK.	TKN NH_3 T. PHOS. O. PHOS.	pH T. RES. CHLORINE	COD PHENOLS TOC DOC	TOTAL CYANIDE TOTAL SULFIDE	REACTIVE CYANIDE REACTIVE SULFIDE	FLASHPOINT IGNITABILITY	MICRO: TOTAL COLIFORM E. COLI	FECAL COLIFORM	ENTEROCOCCI	HETEROTROPHIC PLATE COUNT	OTHER	# OF CONTAINERS	NOTES MEOH VIAL #
M-2	9/13/18 / 1645	S	G																X																1	
M-3	1650																																				
M-4	1655																																				
M-5	1700																																				
M-6	1705																																				
SS-03B	1715																																				
SS-05B	1730																																				
SS-05C	1740																																				
M-7	1755																																				
M-8	1800																																				

MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER

PRESERVATIVE: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH

PROJECT MANAGER: TIM ANDREWS

COMPANY: NOBIS

ADDRESS: 18 CHENELL DR

CITY: CONCORD **STATE:** NH **ZIP:** 03301

PHONE: 603-224-4182 **EXT.:**

FAX:

E-MAIL: TANDREWS@NOBISENG.COM

SITE NAME: LAVOIE PROPERTY

PROJECT #: 70705.00

STATE: (NH) MA ME VT **OTHER:**

REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR GWP, OIL FUND, (BROWNFIELD) OR OTHER:

QUOTE #: **PO #:**

DATE NEEDED: STANDARD TAT

QA/QC REPORTING LEVEL

A B C

OR

MA MCP

REPORTING OPTIONS

PRELIMS: (YES) OR NO

ELECTRONIC OPTIONS

E-MAIL (PDF) EQUIS (EXCEL)

TEMP. 4.7 °C

ICE? (YES) NO

SAMPLER(S): DB / JS

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
	9-14-18	1530	
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

METALS: 8 RCRA (13 PP) FE, MN PB, CU

OTHER METALS:

SAMPLES FIELD FILTERED? ☐ YES ☐ NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

SITE HISTORY:

SUSPECTED CONTAMINATION:

FIELD READINGS:

Eastern Analytical, Inc.
professional laboratory and drilling services

25 CHENELL DRIVE | CONCORD, NH 03301 | TEL: 603.228.0525 | 1.800.287.0525 | E-MAIL: CUSTOMERSERVICE@EASTERNANALYTICAL.COM | WWW.EASTERNANALYTICAL.COM

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)

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CHAIN-OF-CUSTODY RECORD

FOR LAB USE ONLY 186678

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

62

SAMPLE I.D.	SAMPLING DATE / TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE / TIME	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC: 524.2 BTEX 524.2 MTBE ONLY	VOC: 8260 624 VTICS 1, 4 DIOXANE	VOC: 8021 BTEX HALOS	VOC: 8015 GRO MAVPH	SVOC: 8270 625 SVTICS EDB DBCP ABN A BN PAH	SVOC: TPH8100 LI L2	SVOC: 8015 DRO MAEPH	SVOC: PEST 608 PEST 8081 PCB 608 PCB 8082	SVOC: OIL & GREASE 1664 TPH 1664	TCLP: TCLP 1311 VOC ABN PEST METALS HERB	METALS: DISSOLVED METALS (LIST BELOW)	METALS: TOTAL METALS (LIST BELOW)	INORGANICS: TS TSS TDS SPEC. CON.	INORGANICS: BR CL F SO_4 NO_2 NO_3 NO_2NO_3	INORGANICS: BOD CBOD T. ALK.	INORGANICS: TKN NH_3 T. PHOS. O. PHOS.	INORGANICS: PH T. RES. CHLORINE	INORGANICS: COD PHENOLS TOC DOC	INORGANICS: TOTAL CYANIDE TOTAL SULFIDE	INORGANICS: REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	MICRO: TOTAL COLIFORM E. COLI FECAL COLIFORM	MICRO: ENTEROCOCCI HETEROTROPHIC PLATE COUNT	# OF CONTAINERS	NOTES MEOH VIAL #
M-FDUP5	9/13/18 / 1912	S	G												X											1	
S7-1	1812										X																
S7-2	1828																										
S7-3	1835																										
S7-4	1840																										
S7-5	1845																										
S7-FDUP5	1848																										
S7-6	1852																										
S7-7	1858																										
S7-8	1900																										

MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER

PRESERVATIVE: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH

PROJECT MANAGER: TIM ANDREWS

COMPANY: NOBIS

ADDRESS: 18 CHENELL DR

CITY: CONCORD STATE: NH ZIP: 03301

PHONE: 603-224-4182 EXT.:

FAX:

E-MAIL: TANDREWS@NOBISENG.COM

SITE NAME: LAVOIE PROPERTY

PROJECT #: 70705.00

STATE: (NH) MA ME VT OTHER:

REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR GWP, OIL FUND, (BROWNFIELD) OR OTHER:

QUOTE #: PO #:

DATE NEEDED: STANDARD TAT

QA/QC REPORTING LEVEL

A B C

OR

MA MCP

REPORTING OPTIONS

PRELIMS: (YES) OR NO

ELECTRONIC OPTIONS

E-MAIL (PDF) EQUIS (EXCEL)

TEMP. 4.7 °C

ICE? (YES) NO

SAMPLER(S): DB/JS

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
	9/14/18	1550	
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

METALS: 8 RCRA (13 PP) FE, MN PB, CU

OTHER METALS:

SAMPLES FIELD FILTERED? ☐ YES ☐ NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

SITE HISTORY:

SUSPECTED CONTAMINATION:

FIELD READINGS:

Eastern Analytical, Inc.
professional laboratory and drilling services
25 CHENELL DRIVE | CONCORD, NH 03301 | TEL: 603.228.0525 | 1.800.287.0525 | E-MAIL: CUSTOMERSERVICE@EASTERNANALYTICAL.COM | WWW.EASTERNANALYTICAL.COM

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)

Page 7 of 7

CHAIN-OF-CUSTODY RECORD

186678

BOLD FIELDS REQUIRED. PLEASE CIRCLE REQUESTED ANALYSIS.

SAMPLE I.D.	SAMPLING DATE/TIME *IF COMPOSITE, INDICATE BOTH START & FINISH DATE/TIME	MATRIX (SEE BELOW)	GRAB/*COMPOSITE	VOC: 524.2; 524.2 BTEX 524.2 MTBE ONLY; 8260 624 VTICS 1,4 DIOXANE; 8021 BTEX HALOS; 8015 GRO MAPH	SVOC: 8270 625 SVTICS EDB DBCP ABN A BN PAH; TPH8100 LI L2; 8015 DRO MAEPH; PEST 608 PCB 608 PEST 8081 PCB 8082; OIL & GREASE 1664 TPH 1664	TCLP: TCLP 1311 ABN METALS VOC PEST HERB	METALS: DISSOLVED METALS (LIST BELOW); TOTAL METALS (LIST BELOW)	INORGANICS: TS TSS TDS SPEC. CON.; BR CL F SO4 NO2 NO3 NO2NO3; BOD CBOD T. ALK.; TKN NH3 T. PHOS. O. PHOS.; pH T. RES. CHLORINE; COD PHENOLS TOC DOC; TOTAL CYANIDE TOTAL SULFIDE; REACTIVE CYANIDE REACTIVE SULFIDE FLASHPOINT IGNITABILITY	MICRO: TOTAL COLIFORM E. COLI FECAL COLIFORM; ENTEROCOCCI HETEROTROPHIC PLATE COUNT	OTHER	# OF CONTAINERS	NOTES MEOH VIAL #
S7-9	9/13/18 / 1902	S	G		PEST 608 PCB 8082 X		TOTAL METALS X			1	
S7-FDUP9	1905				X						
M-FDUP7	1908						X				
SS-06B	1806						X				
SS-06C	1809						X				
SS-07B	1832				X		X				
SS-07C	1834						X				

MATRIX: A-AIR; S-SOIL; GW-GROUND WATER; SW-SURFACE WATER; DW-DRINKING WATER; WW-WASTE WATER

PRESERVATIVE: H-HCL; N-HNO_3; S-H_2SO_4; Na-NaOH; M-MEOH

PROJECT MANAGER: Tim Andrews

COMPANY: Nobis

ADDRESS: 18 Chenell Dr.

CITY: Concord STATE: NH ZIP: 03301

PHONE: 603-224-4182 EXT.:

FAX:

E-MAIL: TAndrews@Nobisengr.com

SITE NAME: Lavoie Property

PROJECT #: 70705.00

STATE: (NH) MA ME VT OTHER:

REGULATORY PROGRAM: NPDES: RGP POTW STORMWATER OR GWP, OIL FUND, (BROWNFIELD) OR OTHER:

QUOTE #: PO #:

DATE NEEDED: STANDARD TAT

QA/QC REPORTING LEVEL: A B C OR MA MCP

REPORTING OPTIONS: PRELIMS (YES) OR NO

ELECTRONIC OPTIONS: E-MAIL (PDF) EQUIS (EXCEL)

TEMP. 4.7 °C

ICE? (YES) NO

SAMPLER(S): JS / DB

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
	9-14-18	1550	
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:

METALS: 8 RCRA (13 PP) FE, MN PB, CU

OTHER METALS:

SAMPLES FIELD FILTERED? ☐ YES ☐ NO

NOTES: (IE: SPECIAL DETECTION LIMITS, BILLING INFO, IF DIFFERENT)

SITE HISTORY:

SUSPECTED CONTAMINATION:

FIELD READINGS:

Eastern Analytical, Inc.
professional laboratory and drilling services
25 CHENELL DRIVE | CONCORD, NH 03301 | TEL: 603.228.0525 | 1.800.287.0525 | E-MAIL: CUSTOMERSERVICE@EASTERNANALYTICAL.COM | WWW.EASTERNANALYTICAL.COM

(WHITE: ORIGINAL GREEN: PROJECT MANAGER)