ESHID-603848

Environmental Protection and Compliance Division
Los Alamos National Laboratory
P.O. Box 1663, MS M969
Los Alamos, NM 87545
505-667-8160

National Nuclear Security Administration
Los Alamos Field Office
3747 West Jemez Road, A316
Los Alamos, NM 87544
505-667-5794/Fax 505-606-5948

Symbol: EPC-DO-24-223
Date: August 23, 2024
LA-UR: 24-28822

Mr. JohnDavid Nance, Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6313

Subject: Transmittal of Closure Certification Report for Technical Area 16-399 Open Burn Unit Los Alamos National Laboratory EPA ID #NM0890010515

Dear Mr. Nance:

The United States Department of Energy (DOE) National Nuclear Security Administration, Los Alamos Field Office and the Triad National Security, LLC (Triad) submit this report to the New Mexico Environment Department Hazardous Waste Bureau (NMED-HWB) in accordance with the *Amended Closure Plan Open Burning Treatment Unit Technical Area 16-399 Burn Tray, Revision 2*, Los Alamos National Laboratory, EPA ID #NM0890010515 issued on February 15, 2024. DOE/Triad requested and received three extensions of time in March and September 2023 and February 2024 to complete closure of this unit.

The enclosed document provides certification of clean closure of the hazardous waste management unit at the TA-16-399 Burn Tray (Solid Waste Management Unit 16-010(d)). Included with the submittal is a compact disc with copies of this submittal, analytical data in an Excel format and the data packages as received by the off-site analytical laboratory to facilitate the review of the results by NMED-HWB.

If you have any questions or comments concerning this report, please contact Robert A. Gallegos (NA-LA) at (505) 901-3824 or by email at robert.gallegos@nnsa.doe.gov or Jason Hill (Triad) at (505) 551-2218 or by email at jshill@lanl.gov.

Sincerely,

STEVEN STORY (Affiliate) Digitally signed by STEVEN STORY (Affiliate) Date: 2024.08.16 14:15:39 -06'00'

Steven L. Story
Division Leader
Environmental Protection and Compliance Division
Triad National Security, LLC
Los Alamos National Laboratory

ROBERT GALLEGOS Digitally signed by ROBERT GALLEGOS Date: 2024.08.19 16:34:45 -06'00'

Robert A. Gallegos
Program Manager
Environmental Permitting and Compliance Program
National Nuclear Security Administration
Los Alamos Field Office
U.S. Department of Energy

SLS/RAG

Enclosure: *Los Alamos National Laboratory Closure Certification Report for Open Burning Treatment Unit Technical Area 16-399 Burn Tray, Revision 1*

Copy: Laurie King, USEPA/Region 6, Dallas, TX, king.laurie@epa.gov
Rick Shean, NMED-HWB, Santa Fe, NM, rick.shean@env.nm.gov
JohnDavid Nance, NMED-HWB, Santa Fe, NM, jd.nance@env.nm.gov
Neelam Dhawan, NMED-HWB, Santa Fe, NM, neelam.dhawan@env.nm.gov
Siona Briley, NMED-HWB, Santa Fe, NM, siona.briley@env.nm.gov
Theodore A. Wyka, NA-LA, theodore.wyka@nnsa.doe.gov
Stephen Hoffman, NA-LA, stephen.hoffman@nnsa.doe.gov
Jason Saenz, NA-LA, jason.saenz@nnsa.doe.gov
Karen E. Armijo, NA-LA, karen.armijo@nnsa.doe.gov
M. Lee Bishop, NA-LA, lee.bishop@nnsa.doe.gov
Robert A. Gallegos, NA-LA, robert.gallegos@nnsa.doe.gov
Brian Harcek, EM-LA, brian.harcek@em.doe.gov
Steven Coleman, Triad, ALDESHQ, scoleman@lanl.gov
Jennifer Payne, ALDESHQ, jpayn@lanl.gov
Jeannette T. Hyatt, Triad, EWP, jhyatt@lanl.gov
Steven L. Story, Triad, EPC-DO, story@lanl.gov
Francesca Trujillo, Triad, EPC-DO, francesca@lanl.gov
Jessica L. Moseley, Triad, EPC-WMP, jmoseley@lanl.gov
Jason S. Hill, Triad, EPC-WMP, jshill@lanl.gov
Cecilia Trujillo, Triad, EPC-WMP, ceciliat@lanl.gov
Luciana R. Vigil-Holterman, Triad, EPC-WMP, luciana@lanl.gov
rcra-prr@lanl.gov
eshq-dcrm@lanl.gov
locatesteam@lanl.gov
epccorrespondence@lanl.gov
lasomailbox@nnsa.doe.gov

COPY

Received
AUG 23 2024
NMED Hazardous Waste Bureau

Los Alamos NATIONAL LABORATORY

Environmental Protection and Compliance Division
Los Alamos National Laboratory
P.O. Box 1663, MS M969
Los Alamos, NM 87545
505-667-8160

National Nuclear Security Administration
Los Alamos Field Office
3747 West Jemez Road, A316
Los Alamos, NM 87544
505-667-5794/Fax 505-606-5948

Symbol: EPC-DO-24-223
Date: August 23, 2024
LA-UR: 24-28822

Mr. JohnDavid Nance, Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6313

Subject: Transmittal of Closure Certification Report for Technical Area 16-399 Open Burn Unit Los Alamos National Laboratory EPA ID #NM0890010515

Dear Mr. Nance:

The United States Department of Energy (DOE) National Nuclear Security Administration, Los Alamos Field Office and the Triad National Security, LLC (Triad) submit this report to the New Mexico Environment Department Hazardous Waste Bureau (NMED-HWB) in accordance with the *Amended Closure Plan Open Burning Treatment Unit Technical Area 16-399 Burn Tray, Revision 2*, Los Alamos National Laboratory, EPA ID #NM0890010515 issued on February 15, 2024. DOE/Triad requested and received three extensions of time in March and September 2023 and February 2024 to complete closure of this unit.

The enclosed document provides certification of clean closure of the hazardous waste management unit at the TA-16-399 Burn Tray (Solid Waste Management Unit 16-010(d)). Included with the submittal is a compact disc with copies of this submittal, analytical data in an Excel format and the data packages as received by the off-site analytical laboratory to facilitate the review of the results by NMED-HWB.

If you have any questions or comments concerning this report, please contact Robert A. Gallegos (NA-LA) at (505) 901-3824 or by email at robert.gallegos@nnsa.doe.gov or Jason Hill (Triad) at (505) 551-2218 or by email at jshill@lanl.gov.

ENCLOSURE

Los Alamos National Laboratory Closure Certification

Report for Open Burning Treatment Unit Technical Area

16-399 Burn Tray, Revision 1

Date: August 23, 2024

EPC-DO-24-223
LA-UR-24-28822

U.S. Department of Energy,
National Nuclear Security Administration Los Alamos Field Office, and
Triad National Security, LLC

Los Alamos National Laboratory Closure Certification Report for Open Burning Treatment Unit Technical Area 16-399 Burn Tray, Revision 1

Facility ID No.:	NM0890010515
Facility Name:	Los Alamos National Laboratory
Legal Owner:	U.S. Department of Energy
Legal Operators:	U.S. Department of Energy National Nuclear Security Administration Los Alamos Field Office 3747 West Jemez Road, A316 Los Alamos, New Mexico, 87544 Environmental Protection & Compliance Division Los Alamos National Laboratory P.O. Box 1663, MS M969 Los Alamos, NM 87545
Date:	August 2024

LA-UR-24-28822

Table of Contents

1 Introduction 3
1.1 Description of the Unit 3
1.2 Closure Activities and Closure Plan Revision History 4
2 Closure Performance 6
2.1 Additions and Deviations from the Closure Plan 6
2.1.1 Deviations and Additions from Closure Plan Open Burning Treatment Unit Technical Area 16-399 Burn Tray 6
2.1.2 Deviations from Amended Closure Plan Open Burning Treatment Unit Technical Area 16-399 Burn Tray, Revision 2 6
2.2 Closure Activities 7
2.2.1 Structural Assessment 7
2.2.2 Removal of Structures and Equipment 7
2.2.3 Soil Sampling 7
2.2.4 Laboratory Analysis 9
2.3 Initial Removal of Soil and Verification Sampling 11
2.4 Additional Removal of Soil and Verification Sampling 11
2.5 Excavation Activities After Amendment to Closure Plan 12
2.6 Risk Assessment 13
2.6.1 Revision 0.0 in February 2020 13
2.6.2 Revision 1.0 in February 2021 13
2.6.3 Revision 2.0 in January 2024 13
2.6.4 Revision 3.0 in July 2024 14
2.7 Disposal or Decontamination of Equipment, Structures, and Soils 15
2.8 Location of Supporting Documentation 15
2.9 Statement of Quality Assurance/Quality Control Adequacy 16
3 Conclusions 17
4 Certification 18
4.1 Certification of Accuracy 18
4.2 Independent Registered Professional Engineer's Certification 19
5 References 20

List of Tables

Table 1 Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

List of Figures

Figure 1 Closure Plan Sample Locations at the TA-16-399 Burn Tray
Figure 2 Sampling Locations for TA-16-399 Closure Certification 2009 through 2024
Figure 3 Final TA-16-399 Soil Concentrations for Explosives in milligrams per kilogram (mg/kg)
Figure 4 Final TA-16-399 Soil Concentrations for Nitrates, Perchlorates and Metals Detected above Background Values in milligrams per kilogram (mg/kg)
Figure 5 Final TA-16-399 Soil Concentrations for Toxic Equivalency (TEQ) Values of Dioxin/Furan Congeners in milligrams per kilogram (mg/kg)
Figure 6 TA-16-399 Soil Concentrations for PFAS in milligrams per kilogram (mg/kg)

List of Attachments

Attachment 1 Photographs Prior to Equipment/Structure Removal
Attachment 2 Photographs of Removal of Equipment/Structures
Attachment 3 Summary of Analytical Data Utilized in Technical Area 16-399 Burn Tray Human Health and Ecological Risk-Screening Assessments Revision 3.0
Attachment 4 Compact Disc including Additional Information and Data Tables in Support of the Closure of the TA-16-399 Burn Tray
Attachment 5 Photographs of Removal of Soil and Confirmation Soil Sampling Activities in 2019, 2021, 2023, and 2024
Attachment 6 Technical Area 16-399 Burn Tray Human Health and Ecological Risk Screening Assessments, Revision 3.0
Attachment 7 Closure Certification Report with Editing Marks

1 Introduction

This closure certification report summarizes the activities performed to meet Resource Conservation and Recovery Act (RCRA) closure requirements for an interim status open burning treatment unit at Technical Area (TA) 16 at the Los Alamos National Laboratory (LANL or the Facility). The TA-16-399 Burn Tray (Solid Waste Management Unit 16-010(d)) is listed in the LANL Hazardous Waste Facility Permit, Attachment K, Table K-1, *SWMUs and AOCs Requiring Corrective Actions* as requiring corrective action. The TA-16-399 Burn Tray was used for treatment of high explosives waste generated by the high explosives production and testing facilities at LANL under the regulations at Title 40 of the Code of Federal Regulations (40 CFR), Part 265, Subpart P, *Thermal Treatment*.

The need for thermal treatment operations at the Laboratory has decreased through the careful consideration of waste generating operations. As a result, all necessary open burning treatments of waste explosives are managed at a single unit for the Facility. Additionally, the need for the type of waste treatment previously conducted the TA-16-399 Burn Tray was phased out utilizing waste minimization techniques and identifying other uses for explosives that were once treated as waste at this location.

Closure activities were conducted in accordance with the New Mexico Environment Department – Hazardous Waste Bureau (NMED-HWB) approved closure plan, *Closure Plan Open Burning Treatment Unit Technical Area 16-399 Burn Tray, January 2019* (NMED, 2019a), and as amended (NMED, 2022a; NMED, 2023a; NMED, 2023b; and NMED, 2024). All additions and deviations are documented in this certification report. Triad National Security, LLC and the U.S. Department of Energy (together named as the Permittees) provide this certification report of the clean closure of the hazardous waste management unit at the TA-16-399 Burn Tray.

1.1 Description of the Unit

TA-16 is in the southwestern quadrant of the Facility at the west end of the Pajarito Plateau near the foothills of the Jemez Mountains. Elevation ranges from approximately 7,700 feet at the west end of the TA to approximately 6,800 feet at the lower east end. Topography is varied, ranging from steep canyon walls to sloping mesa tops. The open burning units at LANL are both located at the TA-16 Burning Ground and consist of the TA-16-388 Flash Pad and the TA-16-399 Burn Tray. The TA-16-388 Flash Pad is still in use today.

The TA-16-399 Burn Tray was comprised of a four-foot wide by 16-foot-long steel tray supported by 1.5-foot-high legs and was lined with firebricks. The maximum treatment capacity of the TA-16-399 Burn Tray was 1,000 pounds of waste per burn. The TA-16-399 Burn Tray was used to treat a single waste stream by open burning to destroy the characteristic of reactivity (D003). The bulk explosives of the waste stream included: cyclotrimethylene trinitramine (RDX); octahydro-1,3,5,7- tetranitro-1,3,5,7-tetrazocine (HMX); 2,4,6- trinitrotoluene (TNT); and triamino trinitrobenzene (TATB). Additionally, mixtures of explosives treated include ammonium nitrate-fuel oil (ANFO), Composition B, Cyclotol, IMX-101, PBX 9404, PBX 9407, PBX 9501, PBX 9502, PBX 9601, X0233, X0533, XTX 8003, XTX 8004, LX-02, LX-07, LX-10 and LX-14.

The waste explosives were packed in cardboard and wooden boxes and carefully transported to the unit for treatment. After the cover was rolled back from the tray, padding was placed on the tray while the explosives were removed from the boxes and set on the padding. The padding was then dampened with kerosene. Approximately one-half gallon of kerosene was used during each treatment event. Electric matches (*e.g.*, squibs) were then connected to the firing cables and a train of excelsior saturated with kerosene was run from the squibs to the padding for ignition. Ignition for all open burning treatment events occurred remotely from the control building. The waste was allowed to burn on its own accord while being observed from the control building. After the burn was complete, the tray was allowed to cool before the burn tray cover was put back in place. Any residue or remaining ash was removed from the tray no earlier than 24 hours after treatment. Treatment methods at this unit were consistent throughout the life of the unit.

The burn tray operated as a treatment unit prior to 1980 through July 18, 2012. Generally, treatment events ranged in volume from 30 pounds to 350 pounds. Since 1980, approximately 255,685 pounds of waste was treated at the TA-16-399 Burn Tray.

1.2 Closure Activities and Closure Plan Revision History

This discussion is provided to outline of the revisions necessary to the closure plan and closure activities. Closure activities, as outlined in the original closure plan (NMED, 2019a), were conducted from February 2019 through September 2019. Soil concentrations for data collected in 2019 were lower than the established residential soil screening levels when compared directly to the screening levels. However, risk assessments concluded that cumulative risk remained above residential risk levels. With the NMED-HWB approval, and prior to the submittal of the original closure certification report, further soil removal activities were conducted, and additional soil samples were collected within the excavated area and analyzed for explosives. The detected concentrations confirmed that the risk levels in the area associated with explosives were decreased. The report, *Transmittal of Closure Certification Report for Technical Area 16-399 Open Burn Unit Los Alamos National Laboratory EPA ID #NM0890010515*, was submitted on February 20, 2020 (LANL, 2020) to the NMED-HWB. The report included the risk assessment with cumulative risk calculations above residential screening levels, descriptions of soil removal activities, and subsequent sample collection that decreased cumulative risk calculations. The report concluded that potential risk posed to human health and several ecological risk receptors was acceptable. The NMED-HWB's review of the closure certification report (NMED, 2020), determined that revised risk assessments were necessary to determine if the results met clean closure requirements and included comments regarding the risk evaluations.

In response to the NMED-HWB's review and subsequent disapproval of the initial closure certification report, the Permittees prepared a report titled *Response to the Disapproval Closure Certification Report for Technical Area 16-399 Open Burn Unit, Los Alamos National Laboratory, EPA ID#NM0890010515* (LANL, 2021b) and submitted it to the NMED-HWB in March 2021. The revised risk assessment included addition of analytical data collected at the site from 2009-2013 and updated the risk analyses based on the larger amount of analytical data. The revised assessment calculated a human health cancer risk of 2E-05 and a Hazard Index (HI) for noncancer risk of 3. The NMED-HWB issued a second disapproval letter on May 25, 2021. The disapproval included further comments for consideration to potentially decrease the calculated risk levels. After integrating the NMED-HWB's comments into the risk

assessment and discussion with the NMED-HWB technical staff, it was determined that further soil removal was the best path forward to achieve clean closure expectations. On August 3, 2021, the NMED-HWB approved the proposed path forward of further soil removal (NMED, 2021c).

In November and December 2021, the Permittees excavated soil from two separate areas to remove soils with elevated concentrations of high explosives compounds and dioxins/furans, which were the identified contributors to the elevated risk. After soil removal, confirmation sampling demonstrated a decreased risk attributed to dioxins/furans in the overall area of the TA-16 Burning Grounds. However, unexpectedly high concentrations of barium and high explosives concentrations were present directly under the location of the former burn tray.

In early January 2022, the Permittees informed the NMED-HWB of the findings and proposed that an amendment to the closure plan was necessary to move forward due to the unexpected concentrations of explosives and barium within the fenced area at the unit. The Permittees provided formal notification of the closure plan amendment (LANL, 2022a), and after confirmation from the NMED-HWB (NMED, 2022a), a Class 2 permit modification was submitted and processed (LANL, 2022b and NMED, 2022b), resulting in the *Amended Closure Plan Open Burning Treatment Unit Technical Area 16-399 Burn Tray, Revision 2*.

The planning and coordination of excavators, bins, trucks, and personnel to safely complete the closure activities outlined in Revision 2 of the closure plan took more time than anticipated. Additionally, scheduling of waste shipments, in coordination with space constraints for accumulation at the site and the disposal facility's ability to accept waste volumes, provided for additional complications to the project execution.

A total of 15 excavation events within the fenced area at the location of the former burn tray began on May 8, 2023, and the last excavation activity occurred on April 24, 2024. A total of 55 waste containers were sent to U.S. Ecology Nevada, Inc. in Nevada for treatment and disposal. Final soil verification sample collection occurred on May 14, 2024. Completion of the closure activities necessitated NMED-HWB approval of three additional requests for extension of time (NMED, 2023a; NMED, 2023b; and NMED, 2024).

This report, *Los Alamos National Laboratory Closure Certification Report for Open Burning Treatment Unit Technical Area 16-399 Burn Tray, Revision 1*, provides a summation of all field activities, soil laboratory analyses, and assessments performed to support clean closure of the open burning unit at the TA-16-399 Burn Tray.

2 Closure Performance

This section and subsections of this closure certification report include a description of the closure activities, deviations from the approved closure plan, results of sampling and analyses, treatment of the explosives-contaminated noncombustible debris, recycled materials, a summarization of disposition of waste, location of supporting documentation, and discussion of quality assurance and quality control. All closure activities were conducted in accordance with the approved closure plan (NMED, 2019a), and as amended (NMED, 2022a; NMED, 2023a; NMED, 2023b; and NMED, 2024). Additions and deviations from the closure plan are documented in this report.

2.1 Additions and Deviations from the Closure Plan

Because the closure plan was revised after some closure activities had been completed, the additions and deviations are described for each closure plan revision.

Descriptions of deviations from the approved plan are presented in the appropriate subsections, as indicated below. Discussions with NMED regarding the additions and deviations described in this closure certification report were conducted as presented in the extension requests, approvals, disapprovals, and responses to disapprovals included in referenced documents (LANL, 2019b; NMED, 2019c; LANL, 2019c; NMED, 2019d; NMED, 2020; LANL, 2021a; NMED, 2021a; LANL, 2021b; NMED, 2021b; LANL, 2021c; NMED, 2021c; NMED, 2022a; NMED, 2023a; NMED, 2023b; and NMED, 2024).

2.1.1 Deviations and Additions from Closure Plan Open Burning Treatment Unit Technical Area 16-399 Burn Tray

The closure of the TA-16-399 Burn Tray was performed in accordance with the revised closure plan, except for additions and deviations from the approved closure plan, discussed in the following sections, to include:

- Notes regarding collection of tuff subsurface samplings as discussed in Section 2.2.3;
- Laboratory analytical method equivalencies (Section 2.2.4);
- Nitrate samples were not collected, and a duplicate sample was not collected in November 2021 (Section 2.2.3.1);
- Laboratory holding times which caused recollection of samples and missing analyte analysis (tetryl) (Sections 2.2.4 and 2.2.4.1.1);
- Three soil excavation events and subsequent soil sampling prior to revision of the approved closure plan (Sections 2.3, 2.4); and
- Inclusion of historic analytical information within the revised risk assessments (Section 2.5).

2.1.2 Deviations from Amended Closure Plan Open Burning Treatment Unit Technical Area 16-399 Burn Tray, Revision 2

The following is a list of deviations and changes from the closure plan approved on September 6, 2022 (NMED, 2022b).

- Notes regarding collection of tuff subsurface samplings as discussed in Section 2.2.3;
- Confirmation of the analysis method for PFAS, which were added as constituents of concern due to public comment (Section 2.2.4); and
- A duplicate sample was not collected in November 2021 (Section 2.2.3.1).

2.2 Closure Activities

Closure activities for the TA-16-399 Burn Tray began on February 28, 2019, with the submittal of a request to initiate the collection of soil samples for analysis at an off-site analytical laboratory. Closure activities were performed in accordance with the approved closure plan and subsequent coordination with the NMED-HWB. Because of the amendment of the closure plan (NMED, 2022b), it was determined by the NMED-HWB that the collection of samples at all the closure plan identified locations would reoccur. The following provides a description of each activity proposed in the closure plan as well as additional closure activities and evaluations conducted to meet the closure performance standard.

2.2.1 Structural Assessment

As required by the closure plan, the structural assessment with the NMED-HWB was conducted on July 19, 2012. Correspondence (LANL, 2019a) regarding the structural assessment was sent to the NMED-HWB in February 2019 and included a commitment by the Permittees to include photographs of the TA-16-399 Burn Tray prior to removal within the closure certification report. On April 22, 2019, photographs were taken of the TA-16-399 Burn Tray and the surrounding area to document the state of the unit's physical condition prior to commencement of the removal of structures and equipment. Photographs 1 through 6 within Attachment 1, *Photographs Prior to Equipment/Structure Removal* of this closure certification report depict the undisturbed area.

2.2.2 Removal of Structures and Equipment

Demolition activities were systematically conducted on April 22, 2019. Electricity was confirmed to be de-energized at the electric box located directly in front of the TA-16-399 Burn Tray, then the burn tray equipment (including the electric box) was removed. The burn tray tracks, rubber matting under the tracks, burn tray cover, firebrick, and the burn tray were removed from the site and placed in waste containers or covered with tarps to be protected from weather according to the appropriate waste characterization for each item. A central accumulation area was set up for the waste items that required treatment via flashing at the TA-16-388 Flash Pad prior to disposal or recycling. Items that required treatment were the steel tray, firebrick, and sand. The concrete pad was broken up in place and placed in a pile for characterization. After sampling and analysis confirmed the debris was a non-hazardous waste, the concrete was disposed of at a construction and demolition landfill. Photographs 7 through 16 within Attachment 2, *Photographs of Removal of Equipment/Structures,* depict the area during and immediately after removal of the equipment and structures. All demolition activities were completed on April 22, 2019.

2.2.3 Soil Sampling

This section includes information regarding soil sample collection. Discussions associated with soil laboratory analysis are included in Section 2.2.4 and quality control/quality assurance in Section 2.7. Table 1, *Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray*, provides a summary of all samples evaluated for use as part of this closure process. A description of the original reasoning for sample collection, as well as reasoning why a sample was not included in the risk evaluations are also provided in the summary table. Figure 2 includes a depiction of the locations ultimately included with the risk assessments. The soil sample collection procedures described herein only detail the activities conducted from 2019 to the present, as samples collected prior to that date may have followed different procedures and were not collected under the observation of the

independent professional engineer. All required subsurface samples were collected with the intention of reaching the tuff or the soil/tuff interface as much as practicable with an auger or a shovel. Final verification samples within the excavated area included crushed tuff, as the excavation in most areas reached tuff. While this is not considered a deviation from the approved closure plan, it is noted for context.

2.2.3.1 Soil Sampling

Eight soil sample collection events were conducted for the closure of the TA-16-399 Burn Tray. A duplicate sample was collected on each day of soil sample collection activities except for November 17, 2021, and April 24, 2024 (described in Section 2.4).

Initial soil sample collection was completed on May 7, 2019. As prescribed by the original closure plan, 16 soil samples (including one duplicate sample) were collected from 11 locations at and surrounding the TA-16-399 Burn Tray (Figure 1).

Due to the analytical laboratory's exceedance of holding times and unacceptable calculated relative percent difference in the initial laboratory soil analysis, resampling activities were conducted on August 6, 2019. 11 soil samples and a duplicate sample were collected to be analyzed for specific analytical suites. Section 4.2 of the approved closure plan required that completion of closure activities be conducted within 180 days of the beginning of closure. Closure activities for the unit began on February 28, 2019; however, due to the necessity to resample soils, a 30-day extension was requested and granted to complete closure activities by September 26, 2019 (LANL, 2019b and NMED, 2019c).

The third soil confirmation sample collection was completed on December 4, 2019, after soil was removed from a portion of the site as described in Section 2.3, *Initial Removal of Soil and Verification Sampling*.

The fourth and fifth soil sampling events occurred on November 17, 2021, and December 1, 2021, after soil was removed from two locations at the site as described in Section 2.4.1, *2021 Additional Removal of Soil and Verification Sampling*. Sixteen samples were collected from two excavated locations. Because the two excavations were not conducted on the same day, a duplicate sample on November 17, 2021, was inadvertently not collected. The sample locations within the excavated fenced area were later excavated as part of the 2023 and 2024 closure activities.

The final three soil sampling events occurred on August 16, 2023, October 26, 2023, and May 14, 2024. These soil samples were collected from 11 locations outlined in the original approved closure plan (NMED, 2019a), at and surrounding the TA-16-399 Burn Tray. Three locations were added as part of the revision of the approved closure plan (NMED, 2022a), as baseline locations for per- and polyfluoroalkyl substances (PFAS). Additional verification sample locations were also required as part of the revised closure plan (NMED, 2022a). On August 16, 2023, fifteen soil samples (including 1 duplicate sample) were collected from nine locations outside of the fenced area at the TA-16-399 Burn Tray. On October 26, 2023, 14 soil samples (including one duplicate sample) were collected from within the fenced area at five closure plan dictated locations, and seven chosen verification sample locations. Five locations for verification samples were within the excavated area, and two were located just outside the excavated area. Lastly, four soil samples were collected on May 14, 2024, after a final excavation was determined to be necessary to complete closure activities. Two soil samples were collected from former verification

sample locations, one sample from an additional location within the excavated area, and one sample outside the excavated area. A duplicate sample was not collected on this day.

All soil samples were collected as specified in the soil collection procedures outlined in Section 6.1.1 of the approved closure plan (NMED, 2019a) and subsequent amendments as appropriate (NMED, 2022a; NMED, 2023a; NMED, 2023b; and NMED, 2024). For surface soil sampling, a Bel-Art™ Sterileware™ Sampler Scoop was used to disturb the soil at the sampling location and a small portion of the soil to be sampled was visually examined by an Explosives Safety Officer and then a high explosives spot test was conducted on the soil. The scoop was used to fill sample containers per the analytical laboratory directions. For subsurface samples, a metal auger or shovel was used to remove approximately the necessary soil (usually 6 inches). The soil from approximately 6-12 inches below the ground surface was collected within a stainless-steel bowl and an Explosives Safety Officer visually inspected and then performed a high explosives spot test on the soil. A scoop was then used to fill sample containers as directed by the analytical laboratory requirements. All samples that tested positive for the high explosives spot test were managed and released from the area as explosives-contaminated material; however, the soils were determined to not present an explosive hazard. Soil samples collected for dioxin/furan analysis were sent to Cape Fear Analytical, LLC in Wilmington, North Carolina for analysis. All other soil samples (including those described in Sections 2.3 and 2.4) were sent to GEL Laboratories LLC in Charleston, South Carolina.

2.2.4 Laboratory Analysis

Section 6.1.2 of the closure plan lists specific methods within the U.S. Environmental Protection Agency (EPA) *Test Methods for Evaluating Solid Waste, Physical/ Chemical Methods* (SW-846) for conducting laboratory analyses. There were three deviations from those methods.

1. Metal analysis was conducted utilizing Methods 6020, 7471A, and 6010C. Method 6010B is listed in closure plan Table 4 with an allowance for approved updates.
2. Semi-volatile organic compound analysis was conducted utilizing Method 8270D, rather than 8270C. This is also an update to the method listed in closure plan Table 4.
3. Nitrate analysis was conducted using EPA Method 300.0 rather than Method 9056A. Both methods detect inorganic anions by ion chromatography and the method used is considered equivalent.

Additionally, PFAS analysis was conducted utilizing a modified version of the EPA Drinking Water Laboratory Method 537: Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS). A letter (LANL, 2023) sent to the NMED-HWB confirmed the use of this method.

Portions of the soil sampling were conducted a second time, as described in Section 2.2.3.1 of this report. Three volatile organic compound samples, four mercury samples, and two nitrate samples were resampled and analyzed to fulfill analytical requirements of the approved closure plan (NMED, 2019a). Two other planned nitrate resamples were inadvertently not collected during this time. However, because these samples were collected for the 2023-2024 closure activities, the detailed description of this deviation was removed from this report.

In addition, as described in Section 2.2.4.1.1, soil laboratory analytical results for tetryl in 2019 and 2020 were rejected and therefore were not included in any comparisons or the risk assessments. Analytical results for tetryl from past sampling events (2009, 2012, and 2013) and data from 2021, 2023 and 2024 are included as part of the human health and ecological risk assessments in Attachment 6 at the request of the NMED (NMED, 2020). Tetryl was not detected to be present at the site in any of the samples collected in 2009, 2012, 2013, 2020, 2021, 2023 and 2024, indicating that there is not likely tetryl present at the site. All data utilized in the analysis is present on the CD included as Attachment 4.

2.2.4.1 Data from Laboratory Analyses for Closure Plan Required Soil Samples

Soil laboratory analytical results are summarized in Attachment 3, *Summary of Analytical Data Utilized in Technical Area 16-399 Burn Tray Human Health and Ecological Risk-Screening Assessments Revision 3.0*, of this closure certification report. This table includes data utilized as part of the risk assessment analysis. Rejected data are not represented within the summary table but are included on the compact disc (CD) included as Attachment 4 and are discussed below. Detailed discussion about the detections that are above, or appear to be above, soil screening levels that require clarification are discussed within Attachment 6: *Technical Area 16-399 Burn Tray Human Health and Ecological Risk Screening Assessments, Revision 3.0*. Data tables for all data utilized within the risk assessments is present on the CD included as Attachment 4 for facilitating review. Additionally, Attachment 4 includes analytical data packages sent with the analytical data to the Permittees.

2.2.4.1.1 Analytical Discussion

Some other data points included in Table 1 require additional discussion for clarification. These data points are briefly discussed below. Additional detailed information and discussion regarding the full dataset utilized in the assessment for clean closure is included in the risk assessments (Attachment 6) and is present on the CD included as Attachment 4.

Samples analyzed for the compound tetryl were not analyzed by the analytical laboratory properly and were rejected. All the required spiking analytes were not within the acceptance limits in the laboratory control sample for tetryl and re-extraction was not performed because the samples exceeded the method stated holding time. Specific information regarding these laboratory quality issues is included on the CD (Attachment 4) within the data package for 2019-1826. Re-collection of samples to be analyzed for tetryl was not conducted as the control sample issues had not been resolved with the analytical laboratory at the time of resampling and likely, the results for the re-collected samples would duplicate the results of the original samples. However, soil samples were collected in August 2012 during the original anticipation of closure plan approval and while preparing a submitted permit modification request. Laboratory analytical results found no detections of tetryl in any of the soil samples collected at that time. The August 2012 soil sample locations are the same soil sample locations included within the closure plan that was sent out for public notice by the NMED-HWB in November 2013 that ultimately became the approved closure plan. While those data are not used as comparison values within this closure certification report, they are included on the CD included as Attachment 4 and indicate that tetryl is not present at the site.

All data packages received from the analytical laboratories are also included on the CD (Attachment 4). Analytical results, from this event as well as others, were further analyzed in human

health and ecological risk assessments included as Attachment 6 of this closure certification report. The risk assessments are discussed in Section 2.5.

2.3 Initial Removal of Soil and Verification Sampling

Based on the conclusions of the original risk assessments (discussed in Section 2.5), it was determined that soil should be removed at soil sample location 11, the location of the former concrete pad, where the soil concentration of RDX was detected at a concentration of 600 parts per million (ppm). Based on this determination, a second extension request was submitted and granted to complete closure activities by December 25, 2019 (LANL, 2019c and NMED, 2019d).

Soil removal was guided utilizing high explosive field tests and an Explosives Safety Officer to support the extent of the soil removal. On December 4, 2019, soil was excavated to a depth of 9-15 inches from an area measuring approximately 19 feet by 6.6 feet surrounding sample location 11. Approximately 125 cubic feet of soil was removed, sampled, and containerized to be characterized and disposed of off-site as hazardous waste due to barium concentrations. Photographs 17 through 21 within Attachment 6, *Photographs of Removal of Soil and Confirmation Soil Sampling Activities* depict the area during and immediately after removal of soil and depict an example of surface and subsurface soil sample collection.

On December 4, 2019, confirmation soil samples were collected from the newly excavated soil surface at the original soil sample locations and at each of the excavation boundaries. Additionally, at each of the four excavation boundaries, soil samples were collected from a depth of 6-12 inches below the excavated soil surface. All the soil samples were analyzed for high explosives constituents. Confirmation sample laboratory analytical results for RDX were compared to applicable NMED approved soil screening levels (SSLs) for residential risk screening scenarios, 8.31E+01 mg/kg (cancer) and 3.01E+02 mg/kg (non-cancer). All detected explosives constituent concentrations were below the applicable residential SSLs.

Established storm water controls and vegetation were left in place to ensure continued stabilization of the area and to prevent sediment from migration off-site. The excavation area was backfilled with base course and graded to match existing slope.

2.4 Additional Removal of Soil and Verification Sampling

After the second review of the risk assessments provided to the NMED-HWB, the Permittees received further comments regarding evaluations that could be conducted to reduce the calculated risk for the site. After conversation with the NMED-HWB and technical subcontract personnel, the Permittees proposed removal of soil from two locations within the unit boundary and south of the unit. The location south of the unit was identified as a location where higher levels of dioxin/furan congeners were previously measured. The location within the unit boundary was identified as a single location where a barium concentration was an order of magnitude greater than other measured concentrations within the area. However, it should be noted that barium is known to be above background values over the entire mesa top in this area.

The second soil removal effort occurred on November 17, 2021, south of the unit boundary in a drainage area. This is the location higher levels of dioxin/furan congeners were measured in past

sampling and analytical events (2012 and 2013). The area excavated is estimated to be 900 square feet and 8 to 12 inches deep. This is approximately 494.4 cubic feet of soil that was stored in a roll-off bin and shipped offsite as nonhazardous waste. Six verification samples were collected from the area and were analyzed for metals, high explosives, and dioxin/furan congeners. Analytical results showed no high explosives present in the area, two detections of barium above background values, and a decrease in the concentration of dioxin/furan congeners in the area. Because it was determined that there were not enough empty waste containers present at the site to provide containerization of the last excavation site, the final soil excavation was rescheduled. Due to the rescheduling, a duplicate field sample was inadvertently not collected on the second day.

On December 1, 2021, soil was removed from the area directly under the former location of the TA-16-399 Burn Tray. The excavated area measured approximately 33-34 feet in length and 15-20 feet in width to a depth of 11 to 18 inches. Approximately 974.68 cubic feet of soil was placed in three roll-off bins and 10 verification samples were collected from nine locations within the boundaries of the excavation. These samples were analyzed for metals, high explosives, and dioxin/furan congeners. Analytical results showed elevated concentrations of barium at the new soil surface and increased concentration of RDX in 2 of the 10 samples collected. Additionally, concentrations of aluminum, cadmium, calcium, chromium, copper, silver, and zinc were detected above background values within the excavated area. Additional explosives compounds detected include TNT, amino-2,6-dinitrotoluene [4-], amino-4,6-dinitrotoluene [2-], trinitrobenzene [1,3,5-], TATB, PETN, and HMX. Dioxin/furan congeners were detected in expected quantities for the area.

2.5 Excavation Activities After Amendment to Closure Plan

After an amendment to the approved closure plan (NMED, 2022b), additional excavation within the fenced area commenced on May 8, 2023. Fourteen excavation events took place while balancing the available areas for accumulation of waste containers, availability of waste containers, and ability of the off-site treatment and disposal facility to accept the waste that contained soil with non-detonable quantities of explosives and hazardous levels of barium. This resulted in the generation and shipment of 54, 20-cubic yard roll-off bins of contaminated soil and debris. Upon receipt of the analytical data from the October 26, 2023, soil sampling event, it was determined that an additional excavation event was necessary to complete closure activities. On February 15, 2024, NMED-HWB approved the final extension request for additional time to complete the final excavation event and collect final verification sampling (NMED, 2024). The excavation resulted in the generation of a final 20-cubic yard roll-off bin on April 24, 2024, for a total of 15 excavation events, and a total of approximately 15,930 cubic feet of waste shipped offsite. The final excavation will be backfilled with clean fill as soon as practicable. The fill will be graded to ensure that storm water control best management practices established at the site are still effective. Final verification sample collection took place on May 14, 2024. Figures 3, 4, and 5 depict the final concentrations of explosives, toxic equivalency (TEQ) values of dioxin/furan congeners, and other inorganic compounds. An additional figure depicting the few PFAS concentrations detected has been included as Figure 6 for completeness.

2.6 Risk Assessment

The risk assessments associated with the TA-16-399 Burn Tray were revised three times, based on recommendations of the NMED-HWB. Potential adverse risk at the site, as presented by the Permittees, is summarized in the following sections. Target levels for a residential risk scenario are an HI of 1 and a cumulative cancer risk of 1E-05.

2.6.1 Revision 0.0 in February 2020

The original risk assessments concluded that there was some potential risk to human health and several ecological receptors due to possible exposure to RDX. Risk assessments included with the closure certification report were based on the 16 soil samples collected from 11 locations as required by the approved revised closure plan (NMED, 2019a).

2.6.2 Revision 1.0 in February 2021

As required by the NMED-HWB (NMED, 2020), Revision 1.0 of the risk assessments included analytical data for organic and inorganic compounds at the site from 2009, 2012, 2013, 2019, and 2020.

The risk assessments included an evaluation of all the data recommended by the NMED-HWB and a more focused evaluation based on the area immediately surrounding the former location of the burn tray. The cumulative cancer risk based on all the datasets was 2E-05 and the noncancer HI was 3. When only the area surrounding the tray was evaluated, cumulative cancer risk was 1E-05 and the HI was 2. Lead was considered separately, and the hazard quotients for lead were less than 1 for all receptors. The ecological risk assessment concluded that there was some risk to several ecological receptors, but the calculated risk was relatively low, and data collected at the site showed no species impact.

2.6.3 Revision 2.0 in January 2024

Revision 2.0 of the human health and ecological risk assessments was not formally transmitted to the NMED-HWB, as it was determined that an amendment to the closure plan was necessary to complete clean closure activities. The revision included analytical data for organic and inorganic compounds at the site from 2009, 2012, 2013, 2019, 2020 and 2021 as required by the NMED-HWB (NMED, 2020), and as proposed by the Permittees (LANL, 2021c).

Analytical data for sample locations that were excavated were deleted from the risk assessment dataset and risk estimates were recalculated based on the revised dataset. Four organic analytes dropped out of the analysis because they were no longer detected, and two additional metals were carried forward as they were detected above background concentrations. Risk due to barium increased and hazard quotients (HQs) based on the refined exposure point concentrations were above 1 for construction worker scenarios. Risk due to two explosives increased based on the refined exposure calculations. Amino-2,6-dinitrotoluene [4-] HQs that were less than 1 were now 4 for the residential scenario based on the revised dataset, and 2,4,6 TNT concentrations also increased for the residential scenario and the HQ for residential use was now 2. Dioxin/furan cancer risks and HQs were now below target levels of 1E-05 and 1, respectively. Three analytes exceeded the migration to groundwater values based on refined exposure concentrations. These were barium, RDX, and 2,4,6 TNT. The cumulative cancer risk based on all the dataset was 2E-05 and the noncancer HI was 7.

Additionally, many maximum concentrations exceeded the ecological screening levels. Based on refined exposure concentrations, barium, selenium, amino-2,6-dinitrotoluene [4-], bis(2-ethylhexyl) phthalate, RDX, dioxin/furan congeners, and 2,4,6 TNT produced HQs above 1 for ecological receptors. Overall, these HQs were low, and the HIs were 2 or less for mammals and birds, 10 for soil fauna, and 50 for plants. The major risk driver for ecological risk receptors was barium and further excavation was deemed necessary.

2.6.4 Revision 3.0 in July 2024

After completion of the April 2024 excavation, the risk assessment evaluations were revised to include the data summarized in Attachment 3 of this closure certification report. Attachment 6, *Technical Area 16-399 Burn Tray Human Health and Ecological Risk Screening Assessments, Revision 3.0*, details the human health and ecological risk assessments for residual calculated risk at the site. Analytical data for sample locations that were excavated were deleted from the risk assessment dataset and risk estimates were recalculated based on the revised dataset. Table 1, Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray, presents the soil samples included in the risk assessments.

Inorganics were compared to background value and risk-based soil screening levels. Six inorganics exceeded background values, and four of those exceeded background based on hypothesis testing. No inorganics exceeded human health risk-based screening levels. Several organics were detected, along with some explosives compounds and breakdown products, some semi-volatile organic compounds, and total petroleum hydrocarbons and diesel range organics. Maximum concentrations of detected analytes in surface soil were below industrial worker soil screening levels and maximum concentrations of the detected analytes in subsurface soils were below risk-based residential screening levels for all constituents except the dioxin/furans. Maximum concentrations were also below construction worker soil screening levels in subsurface soils.

When refined exposure point concentrations were considered, no constituents were above target levels for cancer risk or noncancer hazard for any receptor. The cumulative cancer risk based on refined exposure point concentrations for surface soils for industrial workers is 9E-07, and the noncancer HI is 0.04. The cumulative cancer risk based on refined exposure point concentrations for subsurface soils was 6E-06, and the HI was 0.6, for residents. The cumulative cancer risk and HI were below target levels for construction workers at 1E-07 and 0.4, respectively.

Refined exposure point concentrations for three detected analytes exceeded migration to groundwater screening levels. These were amino-2,6-dinitrotoluene [4-], amino-4,6-dinitrotoluene [2-], and RDX. There are also no maximum contaminant level drinking water standards for these three analytes. Detections for both amino-2,6-dinitrotoluene [4-] and amino-4,6-dinitrotoluene [2-] had so few detections that statistics are likely biased high. In addition, the distance to groundwater from the site provides for an unlikely source of addition of contamination to groundwater from explosives compounds. The facility includes an extensive facility-wide monitoring program that is well managed.

Although these screening levels were calculated to be exceeded, the site is deemed to be a low-priority source for its potential impact to groundwater. High- and moderate-ranking sources were characterized by significant hydrologic drivers, i.e., either large outfall volumes released to canyons or ponds located

on mesa tops. Sources were also characterized in terms of the release of large inventories or high contaminant concentrations. Both conditions are necessary to consider an area to have a high or moderate impact to groundwater. Therefore, the TA-16 Burning Ground area is ranked as a low-priority source for its potential to impact groundwater, because it lacks both a large contaminant inventory and a large volume of water to provide a hydrologic driving force for contaminant infiltration.

Concentrations of constituents also exceeded low-effect ecological screening level values for a few of these same constituents and receptors. Barium, selenium, and zinc exceeded values with HQs above 0.1. Concentrations for the explosive RDX; bis(2-ethylhexyl) phthalate; and dioxin/furan TCDD TEQ resulted in HQs above 0.1 for comparison to low-effect ecological screening levels. HIs were above 1 for all receptors except the American kestrel (*Falco sparverius*) modeled as a top carnivore or insectivore/carnivore, gray fox (*Urocyon cinereoargenteus*), also a top carnivore, mountain cottontail (Sylvilagus nuttallii), a mammalian herbivore, and earthworms.

After further refining of the population area use, there remain a few HQs above 0.1 for vertebrate receptors. HQs for barium were above 0.1 for earthworm and plants, HQs for selenium were above 0.1 for deer mouse and plants, HQs for RDX exceeded 0.1 for earthworm, and the HQs for TCDD TEQ exceeded 0.1 for montane shrew and deer mouse. The HI for deer mouse was 2, and the HI for plants was 6. The potential risk for plants is elevated due to barium; however, the area is generally kept free of much vegetation because of the nearby operating site adjacent to the former burn tray.

2.7 Disposal or Decontamination of Equipment, Structures, and Soils

Wastes generated from closure activities (i.e. sand, firebrick, metal, rubber, soil) were managed and have been disposed of as discussed in Section 2.2.2, Section 2.3, Section 2.4, and Section 2.5 in accordance with Section 7.0, *Waste Management* of the approved closure plan (NMED, 2019a). Scrap metal and other materials determined to be not explosives-contaminated by an Explosives Safety Officer through visual examination and high explosives spot tests were released for disposition from the High Explosives Area with no other required actions. Prior to shipment off-site for disposition, the firebrick, sand, and burn tray required treatment for explosives contamination at the TA-16-388 Flash Pad. Excavated soil from the site was disposed of at US Ecology Nevada, Inc. as explosives-contaminated hazardous waste. Most sampling equipment used (i.e. scoops, personal protective equipment) was disposable as nonhazardous waste and did not require decontamination. The auger, compositing bowl, and some scoops (as needed) were decontaminated utilizing Fantasik™ (a non-phosphate surfactant detergent that is already mixed with water) or deionized water and wipes. No excess liquid was used, and the waste wipes were disposed of as nonhazardous waste.

2.8 Location of Supporting Documentation

The following supporting documentation will be retained by the environmental waste compliance personnel at LANL.

- Field logs
- Laboratory sample analysis reports
- QA/QC documentation
- Chain-of-custody records

2.9 Statement of Quality Assurance/Quality Control Adequacy

A review of the sampling and shipping procedures and analytical data was conducted by environmental waste compliance personnel. Except for the caveats and the resampling event described in Sections 2.2.3.1 and 2.2.4.1.1, it was determined that the analytical data related to closure of the TA-16-399 Burn Tray are of an acceptable quality and should therefore be accepted as valid. Resampling rectified a percentage of the quality control issues with the initial analytical data. Other quality control issues can be refuted through inference about the site and historically collected data. Analytical data packages are included within Attachment 4 of this report.

3 Conclusions

Closure activities as described within this closure certification report demonstrate that closure was performed in accordance with the approved closure plan as well as additional activities as discussed with and approved by the NMED-HWB. Based on the conclusions of the risk assessments (Attachment 6), target levels for a residential risk scenario (cumulative cancer risk of 1E-05 and HI 1) have been achieved, and acceptable potential risk to ecological receptors remains at the site. After extensive soil removal activities were conducted at the site, contaminant concentrations measured in verification samples were found to be successful in reducing risk at the Unit.

The area at the overall site is well vegetated (see photographs included in Attachment 1), and there is no indication of an adverse effect at the site to plants or invertebrates, and as described in the risk assessment, there have been no observed effects for mammals and birds at the site based on various monitoring activities conducted at the site and referenced in the risk assessment (Attachment 6).

The site exists within the active, operational area of TA-16 and lies entirely on U.S. Department of Energy (DOE) land. The site is isolated from public access by a security fence and security checkpoints. Based on the current and proposed future land use, the site will remain under Facility (or DOE) control and will continue to be used for industrial purposes. Potential human exposure pathways include inhalation of airborne particles, incidental ingestion of surface soil or tuff, and dermal contact with surface soil or tuff. The potential on-site human receptors for both current and reasonably foreseeable future land use are LANL employees and for industrial land uses. However, residential land use is assumed to conservatively support closure certification decisions. Additional clean-up (e.g., soil removal) at the Unit is not recommended and the Unit should be approved for clean closure as defined within the approved closure plan (NMED, 2022b). For comparison purposes, a version of this closure certification report has been compared to the February 2020 report with red editing marks is included as Attachment 7 to this report.

4 Certification

This section presents a signed certification of the accuracy of this report as required by 40 CFR 270.11 and a certification by an independent registered professional engineer per 40 CFR 264.115.

4.1 Certification of Accuracy

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

STEVEN STORY (Affiliate) Digitally signed by STEVEN STORY (Affiliate) Date: 2024.08.16 14:16:13 -06'00' 8/16/24

Steven L. Story **Date**
Division Leader
Environmental Protection and Compliance Division
Triad National Security, LLC

ROBERT GALLEGOS Digitally signed by ROBERT GALLEGOS Date: 2024.08.19 16:34:22 -06'00' 8/19/24

Robert A. Gallegos **Date**
Environmental Permitting and Compliance Program Manager
National Nuclear Security Administration
U.S. Department of Energy

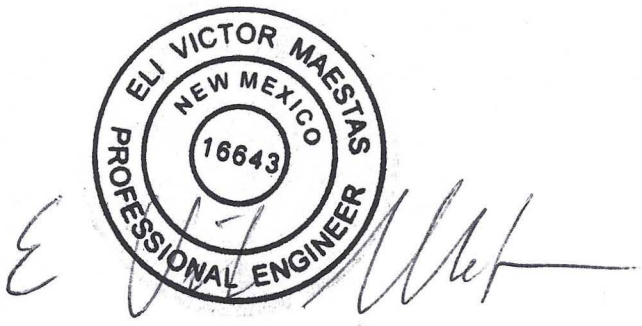
4.2 Independent Registered Professional Engineer's Certification

This certification was prepared in accordance with generally accepted professional engineering principles and practice pursuant to the requirements of 40 CFR §265.115, for an independent registered professional engineer's certification. These services have been performed with the care and skill ordinarily exercised by members of the profession practicing under similar conditions at the same time and in the same manner or in a similar locality. No other warranty is either expressed or implied. The finding and certification are based on 1) reviewing the NMED-approved revised closure plans dated January 2019 and September 2022; 2) witnessing closure and sampling activities; and 4) reviewing the analytical results and certification report.

With the signature and seal below, I certify that, except for the variances presented in Section 2.2, the closure of the TA-16-399 Burn Tray at TA-16 was conducted in accordance with the NMED-approved revised closure plan. The information presented in this report is, to the best of my knowledge and belief, true, accurate, and complete.

Respectfully,

Pajarito Scientific Corporation



Eli V. Maestas
New Mexico Registered Professional Engineer No. 16643
Expires December 31, 2025
Date: August 22, 2024

5 References

LANL, 2019a. *Documentation of Structural Assessment Technical Area 16-399 Burn Tray, Los Alamos National Laboratory EPA ID# NM089001051*. Letter, February 27, 2019. (http://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603372)

LANL, 2019b. *Request for Extension of Time Closure of Technical Area 16-399 Open Burn Unit, Los Alamos National Laboratory*. Letter, August 8, 2019. (http://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603486)

LANL, 2019c. *Request for Second Extension of Time Closure of Technical Area 16-399 Open Burn Unit, Los Alamos National Laboratory*. Letter, October 23, 2019. (https://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603526)

LANL, 2020. *Transmittal of Closure Certification Report for Technical Area 16-399 Open Burn Unit Los Alamos National Laboratory EPA ID #NM0890010515*. Letter. February 20, 2020. (http://eprrdata.lanl.gov/eprrdata/Files/ESHID-603568.zip)

LANL, 2021a. *Request for Extension of Time to Respond to Disapproval of Closure Certification Report for Technical Area 16-399 Open Burn Unit*. Letter. January 7, 2021. (http://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603614)

LANL, 2021b. *Response to the Disapproval Closure Certification Report for Technical Area 16-399 Open Burn Unit, Los Alamos National Laboratory, EPA ID#NM0890010515*. Letter. March 17, 2021. (http://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603628)

LANL, 2021c. *Response to Second Notice of Disapproval Closure Certification Report and Proposed Actions for Technical Area 16-399 Open Burn Unit, Los Alamos National Laboratory, EPA ID#NM0890010515*. Letter. July 21, 2021. (http://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603646)

LANL, 2022a. *Notification of Need to Amend Approved Closure Plan, Technical Area 16-399 Burn Tray*. Letter. January 31, 20222. (https://srorlgreen.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603679)

LANL, 2022b. *Request for Class 2 Amendment to the Closure Plan Open Burning Treatment Unit Technical Area 16-399 Burn Tray, Los Alamos National Laboratory, EPA ID# NM0890010515*. Report. June 7, 2022. (https://srorlgreen.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603696)

LANL, 2023. *Proposed Methodology for Sampling Polyfluoroalkyl and Perfluoroalkyl Compounds at Los Alamos National Laboratory for the Closure of the Technical Area 16-399 Burn Tray*. Letter. February 15, 2023. (https://srorlgreen.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603746)

LANL, 2024. *Class 1 Permit Modification Request to Amend the Closure Plan Schedule for TA-16-399 Burn Tray, Revision 2.2*. Report. January 24, 2024. (https://srorlgreen.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603814)

NMED, 2010. *Los Alamos National Laboratory Hazardous Waste Facility Permit, EPA ID #NM0890010515*. November 2010 and all approved updates.

NMED, 2019a. *Final Action and Response to Comments Closure Plan for Technical Area 16-399 Open Burn Unit, Los Alamos National Laboratory, EPA ID #NM0890010515*. Letter. January 2019. (http://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603364).

NMED, 2019b. *New Mexico Environment Department Risk Assessment Guidance for Site Investigations and Remediation*, February 2019 (Revision 2, 6/19/19).

NMED, 2019c. *Approval Request for Extension of Time closure of Technical Area 16-399 Open Burn Unit LANL EPA ID #NM0890010515 HWB-LANL-12-040*. Letter August 14, 2019. (http://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603497)

NMED, 2019d. Approval Request for Extension of Time Closure of Technical Area 16-399 Open Burn Unit, Los Alamos National Laboratory, EPA ID #NM0890010515, HWB-LANL-12-040. Letter. October 25, 2019. (https://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603532)

NMED, 2020. Disapproval Closure Certification Report for Technical Area 16-399 Open Burn Unit Los Alamos National Laboratory, EPA ID#NM0890010515, HWB-LANL-20-006. Letter. November 18, 2020. (http://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603607)

NMED, 2021a. Approval Extension Request to Respond to Disapproval of Closure Certification Report for Technical Area 16-399 Open Burn Unit Los Alamos National Laboratory EPA ID#NM0890010515, HWB-LANL-20-006. Letter. January 12, 2021. (http://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603615)

NMED, 2021b. Second Notice of Disapproval Closure Certification Report for Technical Area 16-399 Open Burn Unit Los Alamos National Laboratory, EPA ID#NM0890010515, HWB-LANL-20-006. Letter. May 25, 2021. (http://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603637)

NMED, 2021c. Approval Response to Second Notice of Disapproval Closure Certification Report and Proposed Actions for Technical Area 16-399 Open Burn Unit Los Alamos National Laboratory, EPA ID#NM0890010515, HWB-LANL-20-006. Letter. August 3, 2021. (http://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603651)

NMED, 2022a. Request for Supplemental Information Request to Amend Closure Plan Open Burning Treatment Unit Technical Area 16-399 Open Burn Unit Los Alamos National Laboratory EPA ID#NM0890010515 HWB-LANL-20-006. Letter. April 8, 2022. (https://srorlgreen.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603691)

NMED, 2022b. Approval with Modifications Request for Class 2 Amendment to the Closure Plan Open Burning Treatment Unit Technical Area 16-399 Burn Tray Los Alamos National Laboratory EPA ID#NM0890010515 HWB-LANL-22-039. Letter. September 6, 2022. (https://srorlgreen.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603717)

NMED, 2023a. Approval Extension of Time for Class 1, With Prior Approval, Permit Modification, Amended Closure Plan Open Burning Treatment Unit Technical Area 16-399 Burn Tray, Revision 2, September 2022, Los Alamos National Laboratory EPA ID#NM0890010515 HWB-LANL-23-012. Letter. March 10, 2023. (https://srorlgreen.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603754)

NMED, 2023b. Modified Approval Class 1 Permit Modification Request to Amend the Closure Plan Schedule for Technical Area 16-399 Open Burn Unit, Revision 2.1 Los Alamos National Laboratory EPA ID#NM0890010515 HWB-LANL-23-050. Letter. September 6, 2023 (https://srorlgreen.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603790)

NMED, 2024. Approval Class 1 Permit Modification Request to Amend the Closure Plan Schedule for TA-16-399 Burn Tray, Revision 2.2 Los Alamos National Laboratory EPA ID#NM0890010515 HWB-LANL-24-005. Letter. February 15, 2024. (https://srorlgreen.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603821)

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2009	09RCRA695	West of Closure Plan Location #10	Dioxin/Furans	0-2	Site characterization	
2009	09RCRA696	West of Closure Plan Location #10	Metals	0-2	Site characterization	
2009	09RCRA697	Approximate same as Closure Plan Location #10	Dioxin/Furans	0-2	Site characterization	
2009	09RCRA698	Approximate same as Closure Plan Location #10	Metals	0-2	Site characterization	
2009	09RCRA699	North of Closure Plan Location #1	Dioxin/Furans	0-2	Site characterization	
2009	09RCRA700	North of Closure Plan Location #1	Metals	0-2	Site characterization	
2009	09RCRA701	West of 09RCRA706 across road	Dioxin/Furans	0-2	Site characterization	
2009	09RCRA702	West of 09RCRA706 across road	Metals	0-2	Site characterization	
2009	09RCRA703	South of 09RCRA706	Dioxin/Furans	0-2	Site characterization	

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2009	09RCRA704	South of 09RCRA706	Metals	0-2	Site characterization	
2009	09RCRA705	West of Closure Plan Location #1 other side of the road	Dioxin/Furans	0-2	Site characterization	
2009	09RCRA706	West of Closure Plan Location #1 other side of the road	Metals	0-2	Site characterization	
2009	09RCRA707	Just south of Closure Plan Location #1	Dioxin/Furans	0-2	Site characterization	
2009	09RCRA708	Just south of Closure Plan Location #1	Metals	0-2	Site characterization	
2009	09RCRA709	Approximate same as Closure Plan Location #8	Dioxin/Furans	0-2	Site characterization	
2009	09RCRA710	Approximate same as Closure Plan Location #8	Metals	0-2	Site characterization	
2009	09RCRA711	South and east of Closure Plan Location #6	Dioxin/Furans	0-2	Site characterization	

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2009	09RCRA712	South and east of Closure Plan Location #6	Metals	0-2	Site characterization	
2009	09RCRA731	North of Closure Plan Location #9	Dioxin/Furans	0-2	Site characterization	
2009	09RCRA732	North of Closure Plan Location #9	Metals	0-2	Site characterization	
2012	RE16-12-17672	Approximate same as Closure Plan Location #1	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	0-2	Anticipated closure plan approval	
2012	RE16-12-17673	Approximate same as Closure Plan Location #2	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	0-2	Anticipated closure plan approval	2023 excavated within fence
2012	RE16-12-17674	Approximate same as Closure Plan Location #3 (at depth)	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	10	Anticipated closure plan approval	2023 excavated within fence
2012	RE16-12-17675	Approximate same as Closure Plan Location #4	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	0-2	Anticipated closure plan approval	2023 excavated within fence

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2012	RE16-12-17676	Approximate same as Closure Plan Location #4 (duplicate)	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	0-2	Anticipated closure plan approval	2023 excavated within fence
2012	RE16-12-17677	Approximate same as Closure Plan Location #5	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	0-2	Anticipated closure plan approval	2023 excavated within fence
2012	RE16-12-17678	Approximate same as Closure Plan Location #6 (at depth only)	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	10	Anticipated closure plan approval	
2012	RE16-12-17679	Approximate south of Closure Plan Location #7	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	0-2	Anticipated closure plan approval	
2012	RE16-12-17680	Approximate same as Closure Plan Location #8	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	0-2	Anticipated closure plan approval	
2012	RE16-12-17681	Approximate same as Closure Plan Location #9	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	0-2	Anticipated closure plan approval	2020 excavated dioxin/furan hotspot
2013	WST16-13-29794	East of Closure Plan Location #9	High Explosives, SVOC, Metals, Perchlorate, Dioxins/Furans	0-2	Hotspot location identification	

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2013	WST16-13-29795	(north of RE16-12-17681)	High Explosives, SVOC, Metals, Perchlorate, Dioxins/Furans	0-2	Hotspot location identification	2020 excavated dioxin/furan hotspot
2013	WST16-13-29796	(east of RE16-12-17681)	High Explosives, SVOC, Metals, Perchlorate, Dioxins/Furans	0-2	Hotspot location identification	2020 excavated dioxin/furan hotspot
2013	WST16-13-29797	(south of RE16-12-17681)	High Explosives, SVOC, Metals, Perchlorate, Dioxins/Furans	0-2	Hotspot location identification	2020 excavated dioxin/furan hotspot
2013	WST16-13-29798	(west of RE16-12-17681)	High Explosives, SVOC, Metals, Perchlorate, Dioxins/Furans	0-2	Hotspot location identification	2020 excavated dioxin/furan hotspot
2019	WST16-19-181353	Closure Plan Location #2	High Explosives, VOC, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	0-2	Closure plan sample location	2023 excavated within fence
2019	WST16-19-181354	Closure Plan Location #3	High Explosives, VOC, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	0-2	Closure plan sample location	2023 excavated within fence

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2019	WST16-19-181355	Closure Plan Location #5	High Explosives, VOC, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	0-2	Closure plan sample location	2023 excavated within fence
2019	WST16-19-181356	Closure Plan Location #11	High Explosives, VOC, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	0-2	Closure plan sample location	2019 excavated within the fence
2019	WST16-19-181357	Closure Plan Location # 4 - Duplicate sample	High Explosives, VOC, SVOC, Metals (No Mercury), Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	0-2	Closure plan sample location	2020 excavated within the fence
2019	WST16-19-181358	Closure Plan Location # 4 - Duplicate sample	High Explosives, VOC, SVOC, Metals (No Mercury), Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	0-2	Closure plan sample location	2020 excavated within the fence

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2019	WST16-19-181359	Closure Plan Location #3 subsurface	High Explosives, VOC, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	2-12	Closure plan sample location	2023 excavated within fence
2019	WST16-19-181360	Closure Plan Location #11 subsurface	High Explosives, VOC, SVOC, Metals (No Mercury), Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	2-12	Closure plan sample location	2020 excavated within the fence
2019	WST16-19-181361	Closure Plan Location #1	High Explosives, VOC, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	0-2	Closure plan sample location	
2019	WST16-19-181362	Closure Plan Location #6	High Explosives, VOC, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	0-2	Closure plan sample location	

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2019	WST16-19-181363	Closure Plan Location #6 subsurface	High Explosives, VOC, SVOC, Metals (No Mercury), Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics	2-12	Closure plan sample location	
2019	WST16-19-181364	Closure Plan Location #8	High Explosives, VOC, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics	0-2	Closure plan sample location	
2019	WST16-19-181365	Closure Plan Location #8 subsurface	High Explosives, VOC, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics	2-12	Closure plan sample location	
2019	WST16-19-181366	Closure Plan Location #7	High Explosives, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	0-2	Closure plan sample location	
2019	WST16-19-181367	Closure Plan Location #9	High Explosives, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	0-2	Closure plan sample location	2020 excavated dioxin/furan hotspot

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2019	WST16-19-181368	Closure Plan Location #10	High Explosives, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics	0-2	Closure plan sample location	
2019	WST16-19-184748	Closure Plan Location #10	VOC	0-2	Resample closure plan sample location	
2019	WST16-19-184749	Closure Plan Location #6 subsurface	Mercury	0-2	Resample closure plan sample location	
2019	WST16-19-184750	Closure Plan Location #7	VOC	0-2	Resample closure plan sample location	
2019	WST16-19-184751	Closure Plan Location #9	VOC	0-2	Resample closure plan sample location	2020 excavated dioxin/furan hotspot
2019	WST16-19-184752	Closure Plan Location #4	Mercury	0-2	Resample closure plan sample location	2020 excavated within the fence
2019	WST16-19-184753	Closure Plan Location #4 duplicate	Mercury	0-2	QA/QC Sample	2020 excavated within the fence

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2019	WST16-19-184754	Closure Plan Location #11 subsurface	Mercury	2-12	Resample closure plan sample location	2019 excavated within the fence
2019	WST16-19-184757	Closure Plan Location #8	Nitrate	0-2	Resample closure plan sample location	
2019	WST16-19-184758	8s	Nitrate	2-12	Resample closure plan sample location	
2020	WST16-20-191427	South of #11 at new surface	High Explosives	0-2	Confirmation sample after soil excavation	2023 excavated within fence
2020	WST16-20-191428	Original #11	High Explosives	0-2	Confirmation sample after soil excavation	2023 excavated within fence
2020	WST16-20-191429	North of #11 at new surface	High Explosives	0-2	Confirmation sample after soil excavation	2023 excavated within fence
2020	WST16-20-191430	East of #11 at new surface	High Explosives	0-2	Confirmation sample after soil excavation	2023 excavated within fence

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2020	WST16-20-191431	West of #11 at new surface	High Explosives	0-2	Confirmation sample after soil excavation	2023 excavated within fence
2020	WST16-20-191432	North of #11 at depth	High Explosives	6-12	Confirmation sample after soil excavation	2023 excavated within fence
2020	WST16-20-191433	East of #11 at depth	High Explosives	6-12	Confirmation sample after soil excavation	2023 excavated within fence
2020	WST16-20-191434	West of #11 at depth	High Explosives	6-12	Confirmation sample after soil excavation	2023 excavated within fence
2020	WST16-20-191435	South of #11 at depth	High Explosives	6-12	Confirmation sample after soil excavation	2023 excavated within fence
2020	WST16-20-191735	Duplicate South of #11 at depth	High Explosives	6-12	QA/QC Sample	2023 excavated within fence
2021	WST16-22-237994	Middle of excavation-D-F excavation	High Explosives, Metals, Dioxin/Furan	~10	Confirmation sample after soil excavation	

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2021	WST16-22-237995	Southern portion of excavation- D-F excavation	High Explosives, Metals, Dioxin/Furan	~10	Confirmation sample after soil excavation	
2021	WST16-22-238006	Western portion of excavation- D-F excavation	High Explosives, Metals, Dioxin/Furan	~10	Confirmation sample after soil excavation	
2021	WST16-22-238007	Northern portion of excavation (by pole)- D-F excavation	High Explosives, Metals, Dioxin/Furan	~10	Confirmation sample after soil excavation	
2021	WST16-22-238008	Northeastern portion of excavation- D-F excavation	High Explosives, Metals, Dioxin/Furan	~10	Confirmation sample after soil excavation	
2021	WST16-22-238009	Southeastern portion of excavation- D-F excavation	High Explosives, Metals, Dioxin/Furan	~10	Confirmation sample after soil excavation	
2021	WST16-22-238454	Barium excavation 1	High Explosives, Metals, Dioxin/Furan	~15	Confirmation sample after soil excavation	2023 excavated within fence
2021	WST16-22-238455	Barium excavation 2	High Explosives, Metals, Dioxin/Furan	~15	Confirmation sample after soil excavation	2023 excavated within fence

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2021	WST16-22-238456	Barium excavation 3	High Explosives, Metals, Dioxin/Furan	~15	Confirmation sample after soil excavation	2023 excavated within fence
2021	WST16-22-238457	Barium excavation 4	High Explosives, Metals, Dioxin/Furan	~15	Confirmation sample after soil excavation	2023 excavated within fence
2021	WST16-22-238458	Barium excavation 5	High Explosives, Metals, Dioxin/Furan	~15	Confirmation sample after soil excavation	2023 excavated within fence
2021	WST16-22-238460	Barium excavation 6	High Explosives, Metals, Dioxin/Furan	~15	Confirmation sample after soil excavation	2023 excavated within fence
2021	WST16-22-238461	Barium excavation 7	High Explosives, Metals, Dioxin/Furan	~15	Confirmation sample after soil excavation	2023 excavated within fence
2021	WST16-22-238462	Barium excavation 8	High Explosives, Metals, Dioxin/Furan	~15	Confirmation sample after soil excavation	2023 excavated within fence
2021	WST16-22-238463	Barium excavation 9	High Explosives, Metals, Dioxin/Furan	~15	Confirmation sample after soil excavation	2023 excavated within fence

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2021	WST16-22-238459	Barium excavation 5 dup	High Explosives, Metals, Dioxin/Furan	~15	QA/QC Sample	2023 excavated within fence
2023	SFB-23-295629	Closure Plan Location # 1	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location	
2023	SFB-23-295630	Closure Plan Location #2	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location	
2023	SFB-23-295631	Closure Plan Location #3	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location	
2023	SFB-23-295632	Closure Plan Location #3	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	At Depth 6-15 inches	Closure plan sample location	
2023	SFB-23-295633	Closure Plan Location #4	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location	

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2023	SFB-23-295634	Closure Plan Location #5	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location	
2023	SFB-23-295635	Closure Plan Location #6	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location	
2023	SFB-23-295636	Closure Plan Location #6 subsurface	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	At Depth 6-15 inches	Closure plan sample location	
2023	SFB-23-295637	Closure Plan Location #7	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location	
2023	SFB-23-295638	Closure Plan Location #7 Duplicate	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	QA/QC Sample	

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2023	SFB-23-295639	Closure Plan Location #8	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location	
2023	SFB-23-295640	Closure Plan Location #8 subsurface	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	At Depth 6-15 inches	Closure plan sample location	
2023	SFB-23-295641	Closure Plan Location #9	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location	
2023	SFB-23-295642	Closure Plan Location #10	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location	
2023	SFB-23-295643	Closure Plan Location #11	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location	

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2023	SFB-23-295644	Closure Plan Location #11 subsurface	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	At Depth 6-15 inches	Closure plan sample location	
2023	SFB-23-295652	PFAS Baseline 1	PFAS	Surface	Closure plan sample location	
2023	SFB-23-295653	PFAS Baseline 1 Duplicate at depth	PFAS	At Depth 6-15 inches	Closure plan sample location	
2023	SFB-23-295654	PFAS Baseline 2	PFAS	Surface	Closure plan sample location	
2023	SFB-23-295655	PFAS Baseline 2 Duplicate at depth	PFAS	At Depth 6-15 inches	Closure plan sample location	
2023	SFB-23-295656	PFAS Baseline 3	PFAS	Surface	Closure plan sample location	
2023	SFB-23-295657	PFAS Baseline 3 Duplicate at depth	PFAS	At Depth 6-15 inches	Closure plan sample location	

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2023	SFB-23-295645	Verification 1	Metals, Dioxins/Furans, High Explosives, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Excavated surface	Confirmation sample after soil excavation	Removed and replaced by SFB-24-323271
2023	SFB-23-295646	Verification 2	Metals, Dioxins/Furans, High Explosives, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Excavated surface	Confirmation sample after soil excavation	Removed and replaced by SFB-24-323272
2023	SFB-23-295647	Verification 3	Metals, Dioxins/Furans, High Explosives, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Excavated surface	Confirmation sample after soil excavation	
2023	SFB-23-295648	Verification 4	Metals, Dioxins/Furans, High Explosives, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Excavated surface	Confirmation sample after soil excavation	
2023	SFB-23-295649	Verification 5	Metals, Dioxins/Furans, High Explosives, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Excavated surface	Confirmation sample after soil excavation	

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2023	SFB-23-295650	Verification 6	Metals, Dioxins/Furans, High Explosives, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	At Depth 9-15 inches	Confirmation sample after soil excavation	
2023	SFB-23-295651	Verification 7	Metals, Dioxins/Furans, High Explosives, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	At Depth 9.5-15 inches	Confirmation sample after soil excavation	
2024	SFB-24-323271	Verification 1	Metals, Dioxins/Furans, High Explosives, VOC, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	0-6	Excavated surface	Replaces SFB-23-295645.
2024	SFB-24-323272	Verification 2	Metals, Dioxins/Furans, High Explosives, VOC, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	0-6	Excavated surface	Replaces SFB-23-295646.
2024	SFB-24-323273	Verification 8	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	0-6	At edge of excavated area.	New sample location collected from the new surface level.

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2024	SFB-24-323274	Verification 9	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	10-12	Outside of excavated area.	New at-depth sample location.

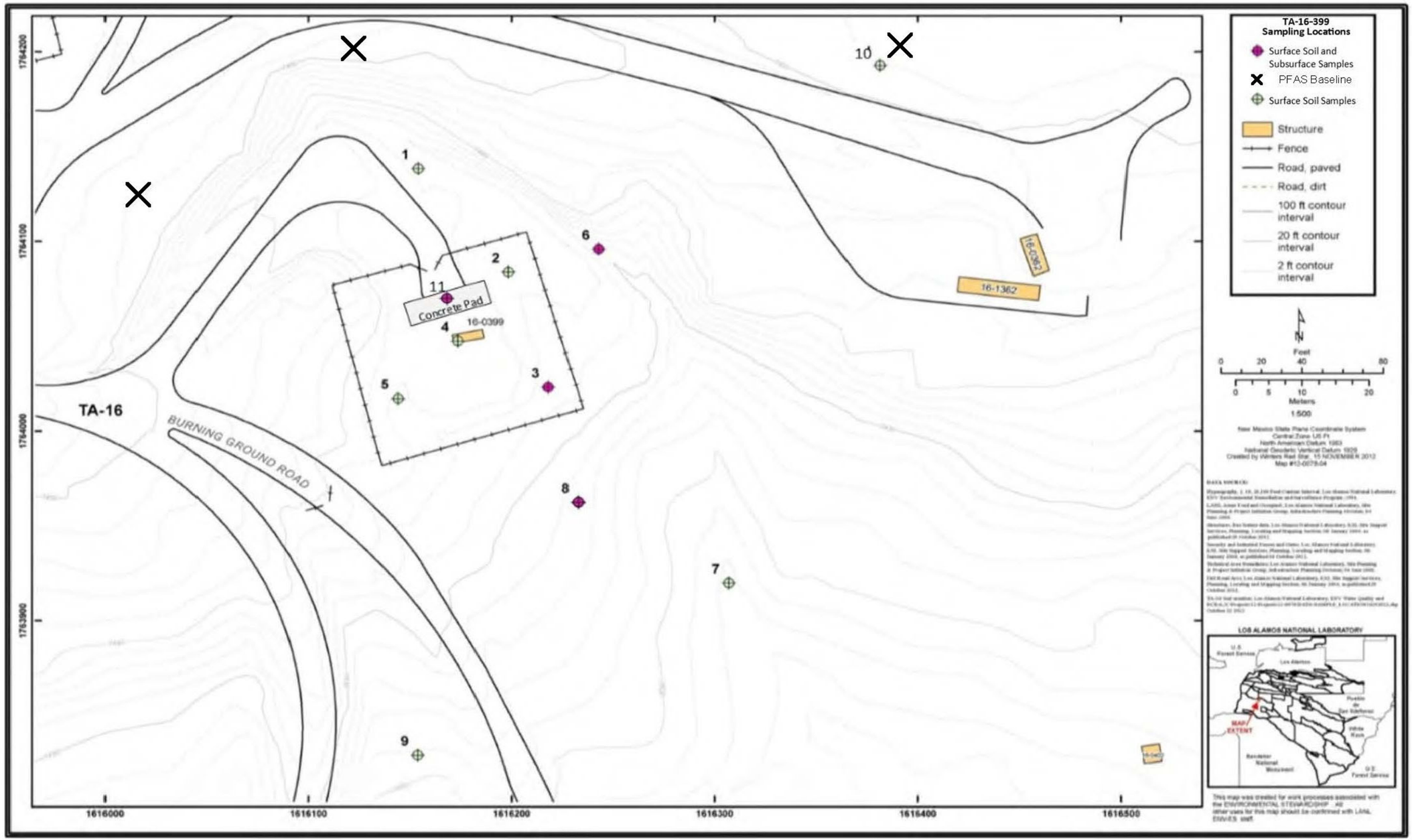


Figure 1: Closure Sample Locations at the TA-16-399 Burn Tray

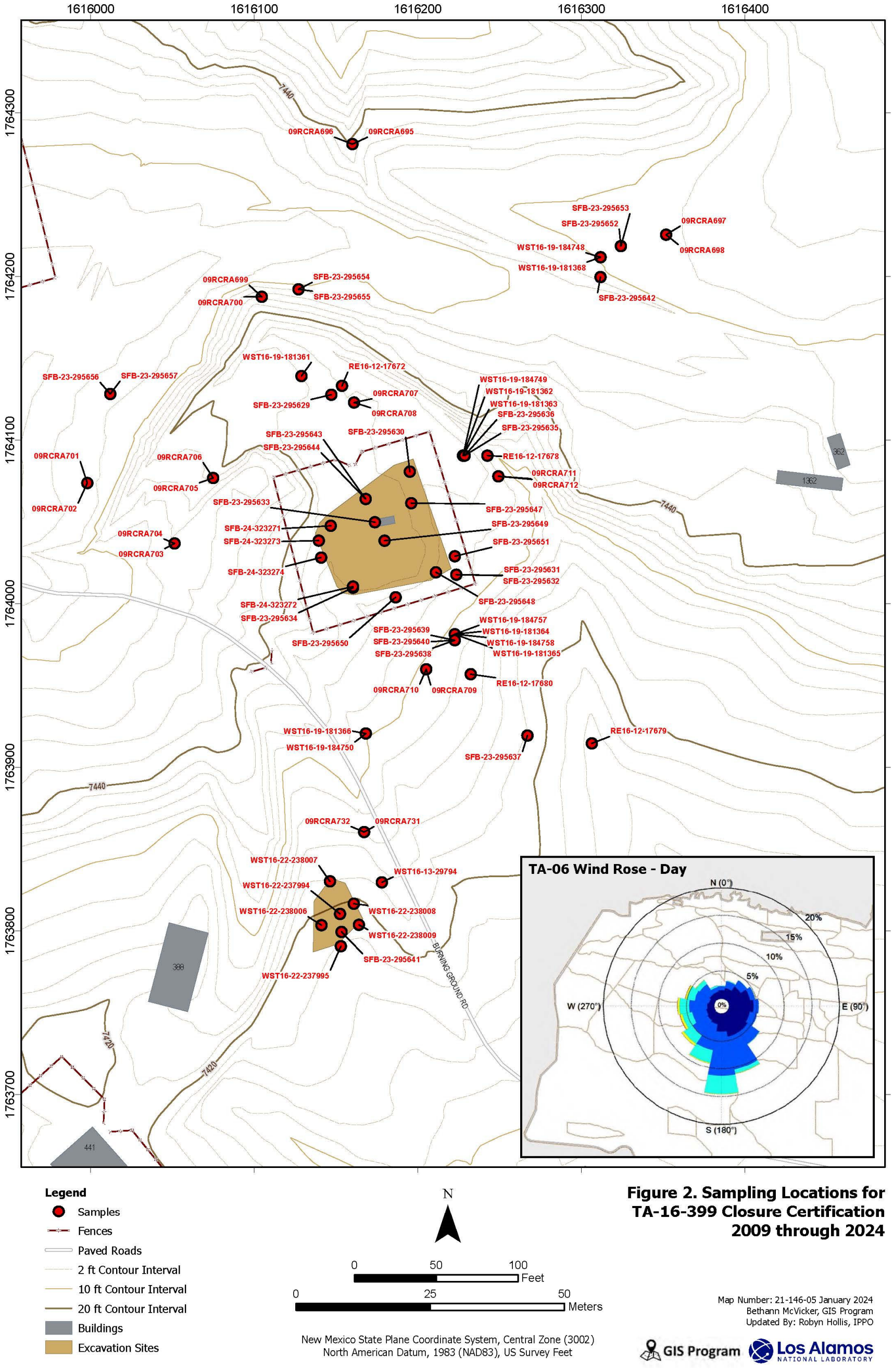


Figure 2: Sampling Locations for TA-16-399 Closure Certification 2009 through 2024

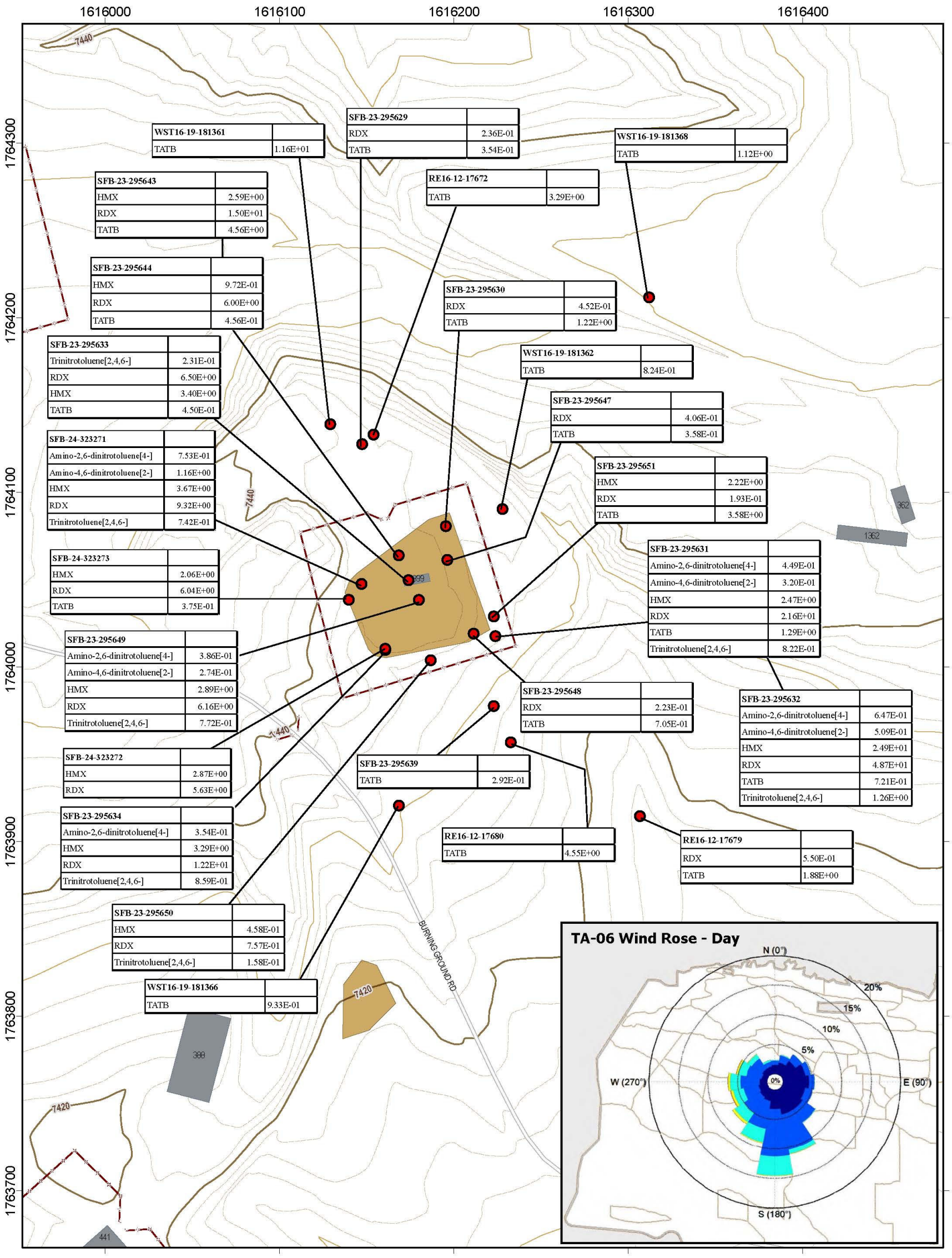


Figure 3: TA-16-399 Soil Concentrations for Explosives in milligrams per kilogram (mg/kg)

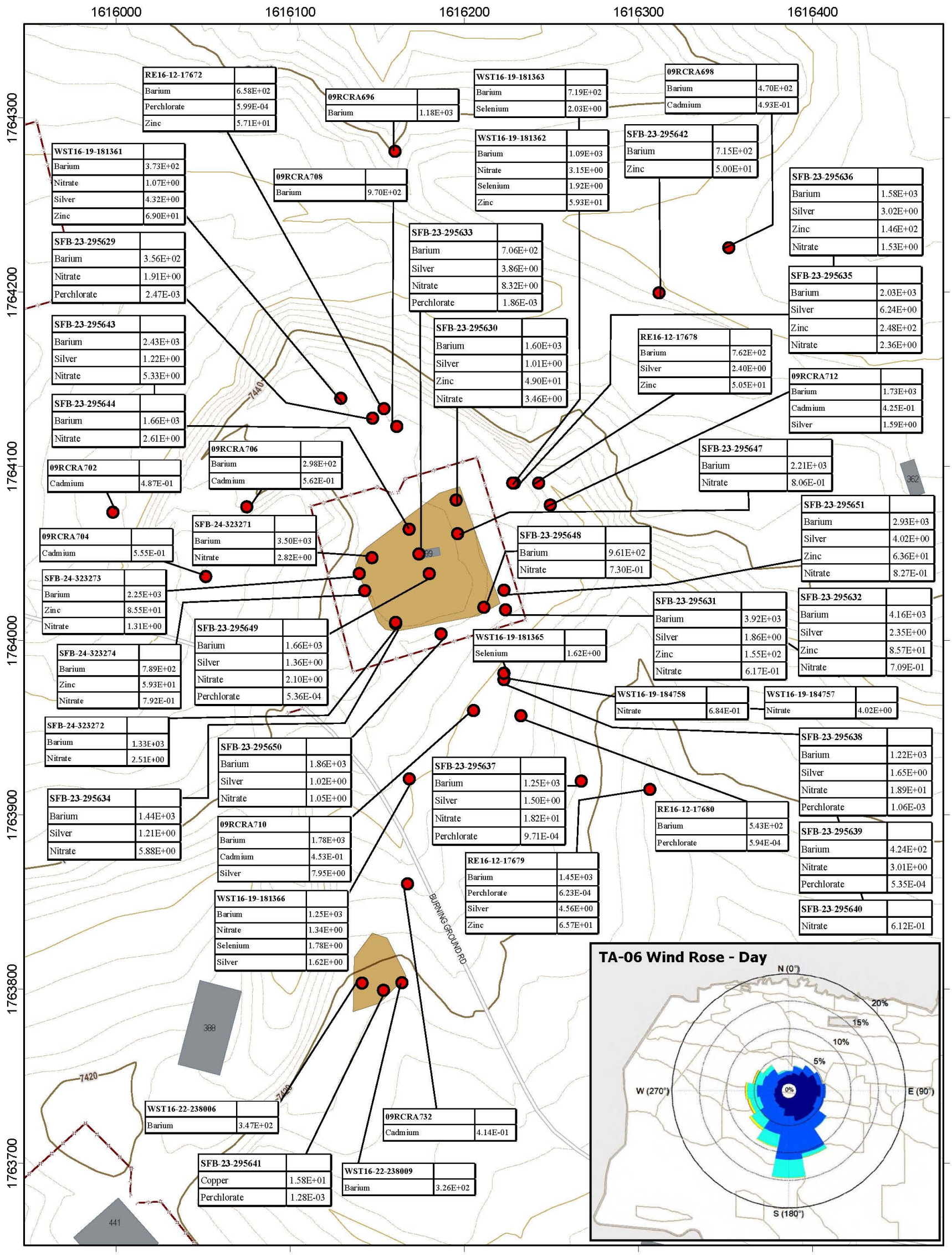


Figure 4: TA-16-399 Detected Soil Concentrations for Nitrates, Perchlorates and Metals Detected above Background Values in milligrams per kilogram (mg/kg)

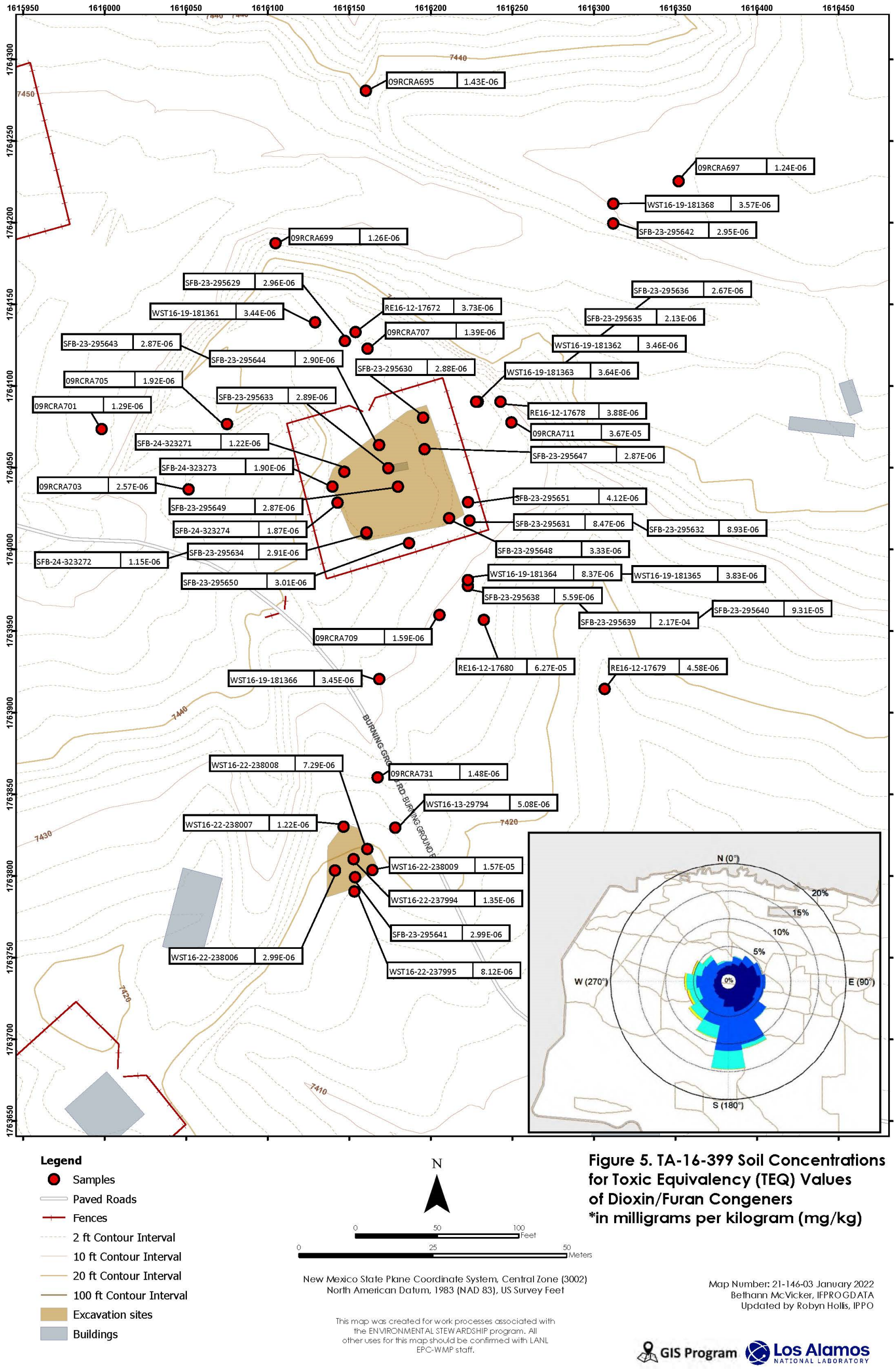


Figure 5: TA-16-399 Soil Concentrations for Toxic Equivalency (TEQ) Values of Dioxin/Furan Congeners in milligrams per kilogram (mg/kg)

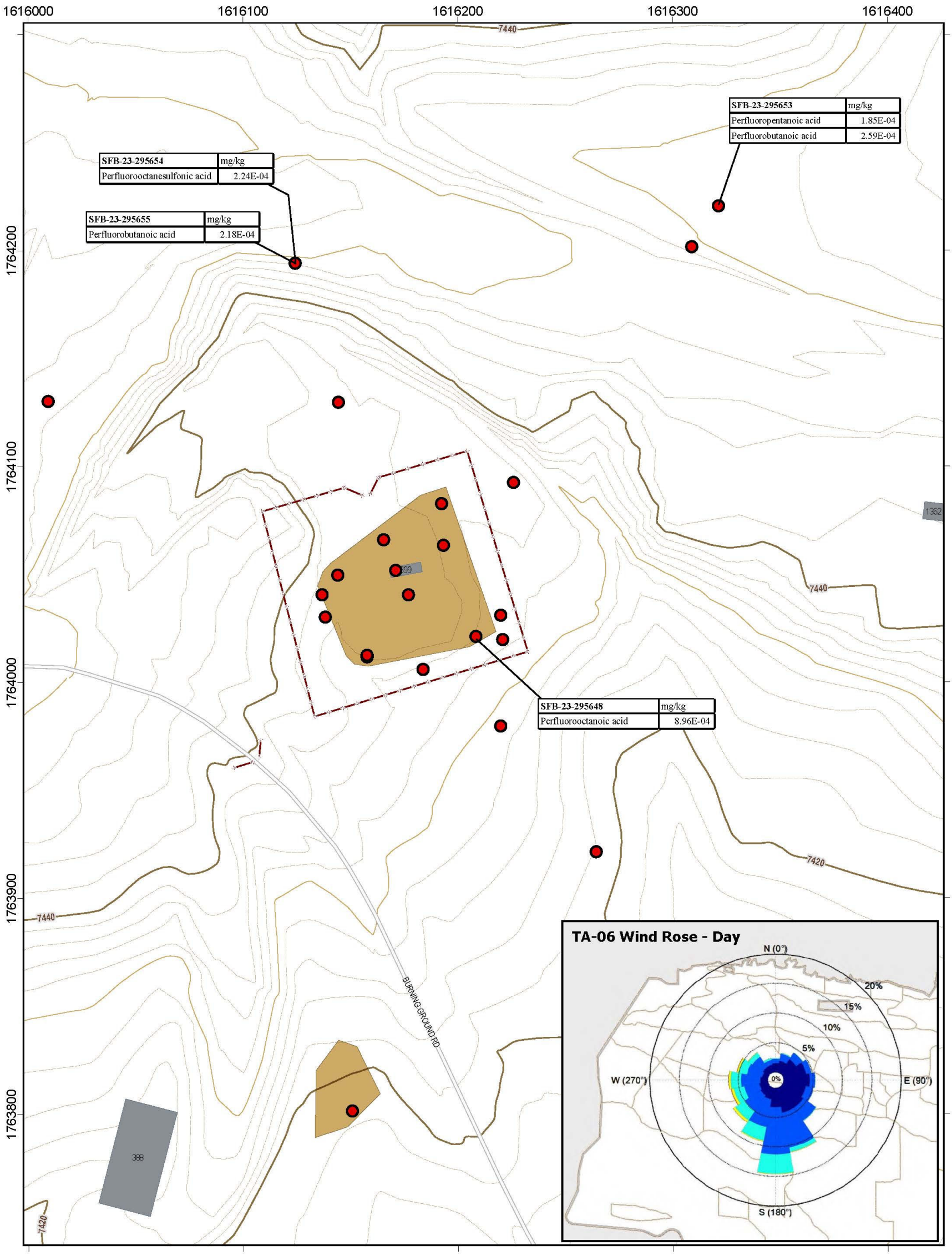


Figure 6. TA-16-399 Soil Concentrations for PFAS in milligrams per kilogram (mg/kg)

Attachment 1

Photographs Prior to Equipment/Structure Removal



Photograph 1. TA-16-399 Burn Tray prior to removal



Photograph 2. Concrete pad in front of the TA-16-399 Burn Tray



Photograph 3. Area to the west of asphalt, north of the concrete pad



Photograph 4. Photograph taken from north of the TA-16-399 Burn facing south-southwest.



Photograph 5. Photograph taken while standing on concrete pad facing north-northwest.



Photograph 6. Photograph taken from the southwest corner within the fenced area.

Attachment 2

Photographs of Removal of Equipment/Structures



Photograph 7. Removal of the electric box.



Photograph 8. During track and rubber underlayments.



Photograph 9. Removing firebrick.



Photograph 10. Removing firebrick.



Photograph 11. Placing waste in containers.



Photograph 12. Removal of burn tray cover.



Photograph 13. Removal and packaging of firebrick prior to flashing.



Photograph 14. Breaking up concrete pad.



Photograph 15. Area under concrete pad and broken concrete pile staged prior to disposal.



Photograph 16. Taken from the gate of the area under concrete pad and broken concrete pile staged prior to disposal.

Attachment 3

Summary of Analytical Data Utilized in Technical Area 16-399 Burn Tray Human Health and Ecological Risk-Screening Assessments Revision 3.0

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
DIOXINS FURANS	09RCRA695	0	<1	2009	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	9.11E-02	pg/g	U	N	ND	9.11E-08	
DIOXINS FURANS	09RCRA695	0	<1	2009	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.36E-01	pg/g	U	N	ND	4.36E-07	
DIOXINS FURANS	09RCRA695	0	<1	2009	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.36E-01	pg/g	U	N	ND	4.36E-07	
DIOXINS FURANS	09RCRA695	0	<1	2009	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.36E-01	pg/g	U	N	ND	4.36E-07	
DIOXINS FURANS	09RCRA695	0	<1	2009	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.36E-01	pg/g	U	N	ND	4.36E-07	
DIOXINS FURANS	09RCRA695	0	<1	2009	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	4.50E+00	pg/g		Y	4.50E-06	4.50E-06	
DIOXINS FURANS	09RCRA695	0	<1	2009	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3.41E+01	pg/g		Y	3.41E-05	3.41E-05	
DIOXINS FURANS	09RCRA695	0	<1	2009	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	3.14E+00	pg/g		Y	3.14E-06	3.14E-06	
DIOXINS FURANS	09RCRA695	0	<1	2009	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	1.59E+00	pg/g	J	Y	1.59E-06	1.59E-06	
DIOXINS FURANS	09RCRA695	0	<1	2009	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.36E-01	pg/g	U	N	ND	4.36E-07	
DIOXINS FURANS	09RCRA695	0	<1	2009	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	6.73E-01	pg/g	J	Y	6.73E-07	6.73E-07	
DIOXINS FURANS	09RCRA695	0	<1	2009	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.36E-01	pg/g	U	N	ND	4.36E-07	
DIOXINS FURANS	09RCRA695	0	<1	2009	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.36E-01	pg/g	U	N	ND	4.36E-07	
DIOXINS FURANS	09RCRA695	0	<1	2009	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.36E-01	pg/g	U	N	ND	4.36E-07	
DIOXINS FURANS	09RCRA695	0	<1	2009	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	2.33E+00	pg/g	J	Y	2.33E-06	2.33E-06	
DIOXINS FURANS	09RCRA695	0	<1	2009	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.36E-01	pg/g	U	N	ND	4.36E-07	
DIOXINS FURANS	09RCRA695	0	<1	2009	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	3.98E+00	pg/g	J	Y	3.98E-06	3.98E-06	
DIOXINS FURANS	09RCRA695	0	<1	2009	N/A	Total Tetrachlorodibenzo-p-dioxin	1.99E-01	pg/g	J	Y	1.99E-07	1.99E-07	
DIOXINS FURANS	09RCRA695	0	<1	2009	N/A	Total Pentachlorodibenzo-p-dioxin	4.36E-01	pg/g	U	N	ND	4.36E-07	
DIOXINS FURANS	09RCRA695	0	<1	2009	N/A	Total Hexachlorodibenzo-p-dioxin	1.51E+00	pg/g	J	Y	1.51E-06	1.51E-06	
DIOXINS FURANS	09RCRA695	0	<1	2009	N/A	Total Heptachlorodibenzo-p-dioxin	1.05E+01	pg/g		Y	1.05E-05	1.05E-05	
DIOXINS FURANS	09RCRA695	0	<1	2009	N/A	Total Tetrachlorodibenzofuran	1.88E+01	pg/g		Y	1.88E-05	1.88E-05	
DIOXINS FURANS	09RCRA695	0	<1	2009	N/A	Total Pentachlorodibenzofuran	2.00E+01	pg/g		Y	2.00E-05	2.00E-05	
DIOXINS FURANS	09RCRA695	0	<1	2009	N/A	Total Hexachlorodibenzofuran	4.41E+00	pg/g		Y	4.41E-06	4.41E-06	
DIOXINS FURANS	09RCRA695	0	<1	2009	N/A	Total Heptachlorodibenzofuran	5.52E+00	pg/g		Y	5.52E-06	5.52E-06	
INORGANIC	09RCRA696	0	<1	2009	As	Arsenic	1.94E+03	ug/Kg		Y	1.94E+00	1.94E+00	
INORGANIC	09RCRA696	0	<1	2009	Ba	Barium	1.18E+06	ug/Kg	*	Y	1.18E+03	1.18E+03	
INORGANIC	09RCRA696	0	<1	2009	Cd	Cadmium	3.30E+02	ug/Kg		Y	3.30E-01	3.30E-01	
INORGANIC	09RCRA696	0	<1	2009	Cr	Chromium	7.85E+03	ug/Kg	*	Y	7.85E+00	7.85E+00	
INORGANIC	09RCRA696	0	<1	2009	Pb	Lead	1.10E+04	ug/Kg	EN*	Y	1.10E+01	1.10E+01	
INORGANIC	09RCRA696	0	<1	2009	Hg	Mercury	1.54E+01	ug/kg		Y	1.54E-02	1.54E-02	
INORGANIC	09RCRA696	0	<1	2009	Se	Selenium	1.01E+03	ug/Kg	UN	N	ND	5.10E-01	
INORGANIC	09RCRA696	0	<1	2009	Ag	Silver	5.74E+02	ug/kg		Y	5.74E-01	5.74E-01	
DIOXINS FURANS	09RCRA697	0	<1	2009	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	1.03E-01	pg/g	J	Y	1.03E-07	1.03E-07	
DIOXINS FURANS	09RCRA697	0	<1	2009	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.44E-01	pg/g	U	N	ND	4.44E-07	
DIOXINS FURANS	09RCRA697	0	<1	2009	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.44E-01	pg/g	U	N	ND	4.44E-07	
DIOXINS FURANS	09RCRA697	0	<1	2009	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.67E-01	pg/g	J	Y	4.67E-07	4.67E-07	
DIOXINS FURANS	09RCRA697	0	<1	2009	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	Missing	pg/g	JK	Y			
DIOXINS FURANS	09RCRA697	0	<1	2009	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	8.35E+00	pg/g		Y	8.35E-06	8.35E-06	
DIOXINS FURANS	09RCRA697	0	<1	2009	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	8.61E+01	pg/g		Y	8.61E-05	8.61E-05	
DIOXINS FURANS	09RCRA697	0	<1	2009	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	6.59E-01	pg/g	J	Y	6.59E-07	6.59E-07	
DIOXINS FURANS	09RCRA697	0	<1	2009	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	4.83E-01	pg/g	J	Y	4.83E-07	4.83E-07	
DIOXINS FURANS	09RCRA697	0	<1	2009	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	5.13E-01	pg/g	J	Y	5.13E-07	5.13E-07	
DIOXINS FURANS	09RCRA697	0	<1	2009	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	5.88E-01	pg/g	J	Y	5.88E-07	5.88E-07	
DIOXINS FURANS	09RCRA697	0	<1	2009	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.53E-01	pg/g	J	Y	4.53E-07	4.53E-07	
DIOXINS FURANS	09RCRA697	0	<1	2009	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	6.30E-01	pg/g	J	Y	6.30E-07	6.30E-07	
DIOXINS FURANS	09RCRA697	0	<1	2009	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.44E-01	pg/g	U	N	ND	4.44E-07	
DIOXINS FURANS	09RCRA697	0	<1	2009	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	3.50E+00	pg/g	J	Y	3.50E-06	3.50E-06	
DIOXINS FURANS	09RCRA697	0	<1	2009	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.44E-01	pg/g	U	N	ND	4.44E-07	
DIOXINS FURANS	09RCRA697	0	<1	2009	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.25E+01	pg/g		Y	1.25E-05	1.25E-05	
DIOXINS FURANS	09RCRA697	0	<1	2009	N/A	Total Tetrachlorodibenzo-p-dioxin	4.05E-01	pg/g	J	Y	4.05E-07	4.05E-07	
DIOXINS FURANS	09RCRA697	0	<1	2009	N/A	Total Pentachlorodibenzo-p-dioxin	5.66E-01	pg/g	J	Y	5.66E-07	5.66E-07	
DIOXINS FURANS	09RCRA697	0	<1	2009	N/A	Total Hexachlorodibenzo-p-dioxin	4.04E+00	pg/g	J	Y	4.04E-06	4.04E-06	
DIOXINS FURANS	09RCRA697	0	<1	2009	N/A	Total Heptachlorodibenzo-p-dioxin	2.44E+01	pg/g		Y	2.44E-05	2.44E-05	

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
DIOXINS FURANS	09RCRA697	0	<1	2009	N/A	Total Tetrachlorodibenzofuran	3.23E+00	pg/g		Y	3.23E-06	3.23E-06	
DIOXINS FURANS	09RCRA697	0	<1	2009	N/A	Total Pentachlorodibenzofuran	7.80E+00	pg/g		Y	7.80E-06	7.80E-06	
DIOXINS FURANS	09RCRA697	0	<1	2009	N/A	Total Hexachlorodibenzofuran	8.30E+00	pg/g		Y	8.30E-06	8.30E-06	
DIOXINS FURANS	09RCRA697	0	<1	2009	N/A	Total Heptachlorodibenzofuran	1.45E+01	pg/g		Y	1.45E-05	1.45E-05	
INORGANIC	09RCRA698	0	<1	2009	As	Arsenic	2.23E+03	ug/Kg		Y	2.23E+00	2.23E+00	
INORGANIC	09RCRA698	0	<1	2009	Ba	Barium	4.70E+05	ug/Kg	*	Y	4.70E+02	4.70E+02	
INORGANIC	09RCRA698	0	<1	2009	Cd	Cadmium	4.93E+02	ug/Kg		Y	4.93E-01	4.93E-01	
INORGANIC	09RCRA698	0	<1	2009	Cr	Chromium	6.25E+03	ug/Kg	*	Y	6.25E+00	6.25E+00	
INORGANIC	09RCRA698	0	<1	2009	Pb	Lead	1.15E+04	ug/Kg	EN*	Y	1.15E+01	1.15E+01	
INORGANIC	09RCRA698	0	<1	2009	Hg	Mercury	1.63E+01	ug/kg		Y	1.63E-02	1.63E-02	
INORGANIC	09RCRA698	0	<1	2009	Se	Selenium	1.07E+03	ug/Kg	UN	N	ND	5.40E-01	
INORGANIC	09RCRA698	0	<1	2009	Ag	Silver	6.34E+02	ug/kg		Y	6.34E-01	6.34E-01	
DIOXINS FURANS	09RCRA699	0	<1	2009	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	1.33E-01	pg/g	J	Y	1.33E-07	1.33E-07	
DIOXINS FURANS	09RCRA699	0	<1	2009	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.48E-01	pg/g	U	N	ND	4.48E-07	
DIOXINS FURANS	09RCRA699	0	<1	2009	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.48E-01	pg/g	U	N	ND	4.48E-07	
DIOXINS FURANS	09RCRA699	0	<1	2009	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	5.61E-01	pg/g	J	Y	5.61E-07	5.61E-07	
DIOXINS FURANS	09RCRA699	0	<1	2009	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	Missing	pg/g	JK	Y			
DIOXINS FURANS	09RCRA699	0	<1	2009	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.31E+01	pg/g		Y	1.31E-05	1.31E-05	
DIOXINS FURANS	09RCRA699	0	<1	2009	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.02E+02	pg/g		Y	1.02E-04	1.02E-04	
DIOXINS FURANS	09RCRA699	0	<1	2009	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	Missing	pg/g	JK	Y			
DIOXINS FURANS	09RCRA699	0	<1	2009	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	8.30E-01	pg/g	J	Y	8.30E-07	8.30E-07	
DIOXINS FURANS	09RCRA699	0	<1	2009	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.48E-01	pg/g	U	N	ND	4.48E-07	
DIOXINS FURANS	09RCRA699	0	<1	2009	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	5.83E-01	pg/g	J	Y	5.83E-07	5.83E-07	
DIOXINS FURANS	09RCRA699	0	<1	2009	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.82E-01	pg/g	J	Y	4.82E-07	4.82E-07	
DIOXINS FURANS	09RCRA699	0	<1	2009	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	5.67E-01	pg/g	J	Y	5.67E-07	5.67E-07	
DIOXINS FURANS	09RCRA699	0	<1	2009	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.48E-01	pg/g	U	N	ND	4.48E-07	
DIOXINS FURANS	09RCRA699	0	<1	2009	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	4.30E+00	pg/g	J	Y	4.30E-06	4.30E-06	
DIOXINS FURANS	09RCRA699	0	<1	2009	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.48E-01	pg/g	U	N	ND	4.48E-07	
DIOXINS FURANS	09RCRA699	0	<1	2009	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.27E+01	pg/g		Y	1.27E-05	1.27E-05	
DIOXINS FURANS	09RCRA699	0	<1	2009	N/A	Total Tetrachlorodibenzo-p-dioxin	5.02E-01	pg/g	J	Y	5.02E-07	5.02E-07	
DIOXINS FURANS	09RCRA699	0	<1	2009	N/A	Total Pentachlorodibenzo-p-dioxin	8.61E-01	pg/g	J	Y	8.61E-07	8.61E-07	
DIOXINS FURANS	09RCRA699	0	<1	2009	N/A	Total Hexachlorodibenzo-p-dioxin	4.43E+00	pg/g	J	Y	4.43E-06	4.43E-06	
DIOXINS FURANS	09RCRA699	0	<1	2009	N/A	Total Heptachlorodibenzo-p-dioxin	2.75E+01	pg/g		Y	2.75E-05	2.75E-05	
DIOXINS FURANS	09RCRA699	0	<1	2009	N/A	Total Tetrachlorodibenzofuran	6.34E+00	pg/g		Y	6.34E-06	6.34E-06	
DIOXINS FURANS	09RCRA699	0	<1	2009	N/A	Total Pentachlorodibenzofuran	9.79E+00	pg/g		Y	9.79E-06	9.79E-06	
DIOXINS FURANS	09RCRA699	0	<1	2009	N/A	Total Hexachlorodibenzofuran	9.51E+00	pg/g		Y	9.51E-06	9.51E-06	
DIOXINS FURANS	09RCRA699	0	<1	2009	N/A	Total Heptachlorodibenzofuran	1.39E+01	pg/g		Y	1.39E-05	1.39E-05	
INORGANIC	09RCRA700	0	<1	2009	As	Arsenic	7.73E+02	ug/Kg	J	Y	7.73E-01	7.73E-01	
INORGANIC	09RCRA700	0	<1	2009	Ba	Barium	2.42E+05	ug/Kg	*	Y	2.42E+02	2.42E+02	
INORGANIC	09RCRA700	0	<1	2009	Cd	Cadmium	3.26E+02	ug/Kg		Y	3.26E-01	3.26E-01	
INORGANIC	09RCRA700	0	<1	2009	Cr	Chromium	3.05E+03	ug/Kg	*	Y	3.05E+00	3.05E+00	
INORGANIC	09RCRA700	0	<1	2009	Pb	Lead	6.03E+03	ug/Kg	EN*	Y	6.03E+00	6.03E+00	
INORGANIC	09RCRA700	0	<1	2009	Hg	Mercury	5.68E+00	ug/kg	J	Y	5.68E-03	5.68E-03	
INORGANIC	09RCRA700	0	<1	2009	Se	Selenium	1.05E+03	ug/Kg	UN	N	ND	5.30E-01	
INORGANIC	09RCRA700	0	<1	2009	Ag	Silver	3.98E+02	ug/kg	J	Y	3.98E-01	3.98E-01	
DIOXINS FURANS	09RCRA701	0	<1	2009	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	9.37E-02	pg/g	U	N	ND	9.37E-08	
DIOXINS FURANS	09RCRA701	0	<1	2009	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.66E-01	pg/g	U	N	ND	4.66E-07	
DIOXINS FURANS	09RCRA701	0	<1	2009	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.66E-01	pg/g	U	N	ND	4.66E-07	
DIOXINS FURANS	09RCRA701	0	<1	2009	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.66E-01	pg/g	U	N	ND	4.66E-07	
DIOXINS FURANS	09RCRA701	0	<1	2009	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.66E-01	pg/g	U	N	ND	4.66E-07	
DIOXINS FURANS	09RCRA701	0	<1	2009	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	8.37E+00	pg/g		Y	8.37E-06	8.37E-06	
DIOXINS FURANS	09RCRA701	0	<1	2009	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	5.06E+01	pg/g		Y	5.06E-05	5.06E-05	
DIOXINS FURANS	09RCRA701	0	<1	2009	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	1.14E+00	pg/g		Y	1.14E-06	1.14E-06	
DIOXINS FURANS	09RCRA701	0	<1	2009	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	4.66E-01	pg/g	U	N	ND	4.66E-07	

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
DIOXINS FURANS	09RCRA701	0	<1	2009	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.66E-01	pg/g	U	N	ND	4.66E-07	
DIOXINS FURANS	09RCRA701	0	<1	2009	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	4.66E-01	pg/g	U	N	ND	4.66E-07	
DIOXINS FURANS	09RCRA701	0	<1	2009	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.66E-01	pg/g	U	N	ND	4.66E-07	
DIOXINS FURANS	09RCRA701	0	<1	2009	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.66E-01	pg/g	U	N	ND	4.66E-07	
DIOXINS FURANS	09RCRA701	0	<1	2009	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.66E-01	pg/g	U	N	ND	4.66E-07	
DIOXINS FURANS	09RCRA701	0	<1	2009	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	3.05E+00	pg/g	J	Y	3.05E-06	3.05E-06	
DIOXINS FURANS	09RCRA701	0	<1	2009	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.66E-01	pg/g	U	N	ND	4.66E-07	
DIOXINS FURANS	09RCRA701	0	<1	2009	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	5.82E+00	pg/g	J	Y	5.82E-06	5.82E-06	
DIOXINS FURANS	09RCRA701	0	<1	2009	N/A	Total Tetrachlorodibenzo-p-dioxin	2.27E-01	pg/g	J	Y	2.27E-07	2.27E-07	
DIOXINS FURANS	09RCRA701	0	<1	2009	N/A	Total Pentachlorodibenzo-p-dioxin	4.82E-01	pg/g	J	Y	4.82E-07	4.82E-07	
DIOXINS FURANS	09RCRA701	0	<1	2009	N/A	Total Hexachlorodibenzo-p-dioxin	3.25E+00	pg/g	J	Y	3.25E-06	3.25E-06	
DIOXINS FURANS	09RCRA701	0	<1	2009	N/A	Total Heptachlorodibenzo-p-dioxin	1.73E+01	pg/g		Y	1.73E-05	1.73E-05	
DIOXINS FURANS	09RCRA701	0	<1	2009	N/A	Total Tetrachlorodibenzofuran	2.31E+00	pg/g		Y	2.31E-06	2.31E-06	
DIOXINS FURANS	09RCRA701	0	<1	2009	N/A	Total Pentachlorodibenzofuran	3.46E+00	pg/g	J	Y	3.46E-06	3.46E-06	
DIOXINS FURANS	09RCRA701	0	<1	2009	N/A	Total Hexachlorodibenzofuran	6.53E+00	pg/g		Y	6.53E-06	6.53E-06	
DIOXINS FURANS	09RCRA701	0	<1	2009	N/A	Total Heptachlorodibenzofuran	7.26E+00	pg/g		Y	7.26E-06	7.26E-06	
INORGANIC	09RCRA702	0	<1	2009	As	Arsenic	3.39E+03	ug/Kg		Y	3.39E+00	3.39E+00	
INORGANIC	09RCRA702	0	<1	2009	Ba	Barium	1.96E+05	ug/Kg	*	Y	1.96E+02	1.96E+02	
INORGANIC	09RCRA702	0	<1	2009	Cd	Cadmium	4.87E+02	ug/Kg		Y	4.87E-01	4.87E-01	
INORGANIC	09RCRA702	0	<1	2009	Cr	Chromium	1.11E+04	ug/Kg	*	Y	1.11E+01	1.11E+01	
INORGANIC	09RCRA702	0	<1	2009	Pb	Lead	1.30E+04	ug/Kg	EN*	Y	1.30E+01	1.30E+01	
INORGANIC	09RCRA702	0	<1	2009	Hg	Mercury	1.96E+01	ug/kg		Y	1.96E-02	1.96E-02	
INORGANIC	09RCRA702	0	<1	2009	Se	Selenium	1.11E+03	ug/Kg	UN	N	ND	5.60E-01	
INORGANIC	09RCRA702	0	<1	2009	Ag	Silver	4.52E+02	ug/kg	J	Y	4.52E-01	4.52E-01	
DIOXINS FURANS	09RCRA703	0	<1	2009	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	6.18E-01	pg/g	J	Y	6.18E-07	6.18E-07	
DIOXINS FURANS	09RCRA703	0	<1	2009	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.64E-01	pg/g	U	N	ND	4.64E-07	
DIOXINS FURANS	09RCRA703	0	<1	2009	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	7.33E-01	pg/g	J	Y	7.33E-07	7.33E-07	
DIOXINS FURANS	09RCRA703	0	<1	2009	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	1.58E+00	pg/g	J	Y	1.58E-06	1.58E-06	
DIOXINS FURANS	09RCRA703	0	<1	2009	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.65E+00	pg/g	J	Y	1.65E-06	1.65E-06	
DIOXINS FURANS	09RCRA703	0	<1	2009	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	3.67E+01	pg/g		Y	3.67E-05	3.67E-05	
DIOXINS FURANS	09RCRA703	0	<1	2009	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	2.09E+02	pg/g		Y	2.09E-04	2.09E-04	
DIOXINS FURANS	09RCRA703	0	<1	2009	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	1.82E-01	pg/g	U	N	ND	1.82E-07	
DIOXINS FURANS	09RCRA703	0	<1	2009	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	4.64E-01	pg/g	U	N	ND	4.64E-07	
DIOXINS FURANS	09RCRA703	0	<1	2009	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.66E-01	pg/g	J	Y	4.66E-07	4.66E-07	
DIOXINS FURANS	09RCRA703	0	<1	2009	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	9.55E-01	pg/g	J	Y	9.55E-07	9.55E-07	
DIOXINS FURANS	09RCRA703	0	<1	2009	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	8.90E-01	pg/g	J	Y	8.90E-07	8.90E-07	
DIOXINS FURANS	09RCRA703	0	<1	2009	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.13E+00	pg/g	J	Y	1.13E-06	1.13E-06	
DIOXINS FURANS	09RCRA703	0	<1	2009	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.64E-01	pg/g	U	N	ND	4.64E-07	
DIOXINS FURANS	09RCRA703	0	<1	2009	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	1.27E+01	pg/g		Y	1.27E-05	1.27E-05	
DIOXINS FURANS	09RCRA703	0	<1	2009	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.02E+00	pg/g	J	Y	1.02E-06	1.02E-06	
DIOXINS FURANS	09RCRA703	0	<1	2009	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	2.93E+01	pg/g		Y	2.93E-05	2.93E-05	
DIOXINS FURANS	09RCRA703	0	<1	2009	N/A	Total Tetrachlorodibenzo-p-dioxin	1.76E+00	pg/g		Y	1.76E-06	1.76E-06	
DIOXINS FURANS	09RCRA703	0	<1	2009	N/A	Total Pentachlorodibenzo-p-dioxin	1.19E+00	pg/g	J	Y	1.19E-06	1.19E-06	
DIOXINS FURANS	09RCRA703	0	<1	2009	N/A	Total Hexachlorodibenzo-p-dioxin	1.51E+01	pg/g		Y	1.51E-05	1.51E-05	
DIOXINS FURANS	09RCRA703	0	<1	2009	N/A	Total Heptachlorodibenzo-p-dioxin	6.61E+01	pg/g		Y	6.61E-05	6.61E-05	
DIOXINS FURANS	09RCRA703	0	<1	2009	N/A	Total Tetrachlorodibenzofuran	6.57E+00	pg/g		Y	6.57E-06	6.57E-06	
DIOXINS FURANS	09RCRA703	0	<1	2009	N/A	Total Pentachlorodibenzofuran	1.33E+01	pg/g		Y	1.33E-05	1.33E-05	
DIOXINS FURANS	09RCRA703	0	<1	2009	N/A	Total Hexachlorodibenzofuran	2.76E+01	pg/g		Y	2.76E-05	2.76E-05	
DIOXINS FURANS	09RCRA703	0	<1	2009	N/A	Total Heptachlorodibenzofuran	3.69E+01	pg/g		Y	3.69E-05	3.69E-05	
INORGANIC	09RCRA704	0	<1	2009	As	Arsenic	2.42E+03	ug/Kg		Y	2.42E+00	2.42E+00	
INORGANIC	09RCRA704	0	<1	2009	Ba	Barium	2.29E+05	ug/Kg	*	Y	2.29E+02	2.29E+02	
INORGANIC	09RCRA704	0	<1	2009	Cd	Cadmium	5.55E+02	ug/Kg		Y	5.55E-01	5.55E-01	
INORGANIC	09RCRA704	0	<1	2009	Cr	Chromium	8.80E+03	ug/Kg	*	Y	8.80E+00	8.80E+00	
INORGANIC	09RCRA704	0	<1	2009	Pb	Lead	1.97E+04	ug/Kg	EN*	Y	1.97E+01	1.97E+01	

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
INORGANIC	09RCRA704	0	<1	2009	Hg	Mercury	1.22E+01	ug/kg	J	Y	1.22E-02	1.22E-02	
INORGANIC	09RCRA704	0	<1	2009	Se	Selenium	1.05E+03	ug/Kg	UN	N	ND	5.20E-01	
INORGANIC	09RCRA704	0	<1	2009	Ag	Silver	5.37E+02	ug/kg		Y	5.37E-01	5.37E-01	
DIOXINS FURANS	09RCRA705	0	<1	2009	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	1.11E-01	pg/g	U	N	ND	1.11E-07	
DIOXINS FURANS	09RCRA705	0	<1	2009	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.60E-01	pg/g	U	N	ND	4.60E-07	
DIOXINS FURANS	09RCRA705	0	<1	2009	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	7.41E-01	pg/g	J	Y	7.41E-07	7.41E-07	
DIOXINS FURANS	09RCRA705	0	<1	2009	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	1.40E+00	pg/g	J	Y	1.40E-06	1.40E-06	
DIOXINS FURANS	09RCRA705	0	<1	2009	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.49E+00	pg/g	J	Y	1.49E-06	1.49E-06	
DIOXINS FURANS	09RCRA705	0	<1	2009	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	3.66E+01	pg/g		Y	3.66E-05	3.66E-05	
DIOXINS FURANS	09RCRA705	0	<1	2009	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	2.08E+02	pg/g		Y	2.08E-04	2.08E-04	
DIOXINS FURANS	09RCRA705	0	<1	2009	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	5.45E-01	pg/g	J	Y	5.45E-07	5.45E-07	
DIOXINS FURANS	09RCRA705	0	<1	2009	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	4.60E-01	pg/g	U	N	ND	4.60E-07	
DIOXINS FURANS	09RCRA705	0	<1	2009	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.60E-01	pg/g	U	N	ND	4.60E-07	
DIOXINS FURANS	09RCRA705	0	<1	2009	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	7.64E-01	pg/g	J	Y	7.64E-07	7.64E-07	
DIOXINS FURANS	09RCRA705	0	<1	2009	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	Missing	pg/g	JK	Y			
DIOXINS FURANS	09RCRA705	0	<1	2009	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	9.33E-01	pg/g	J	Y	9.33E-07	9.33E-07	
DIOXINS FURANS	09RCRA705	0	<1	2009	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.60E-01	pg/g	U	N	ND	4.60E-07	
DIOXINS FURANS	09RCRA705	0	<1	2009	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	1.13E+01	pg/g		Y	1.13E-05	1.13E-05	
DIOXINS FURANS	09RCRA705	0	<1	2009	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	9.20E-01	pg/g	J	Y	9.20E-07	9.20E-07	
DIOXINS FURANS	09RCRA705	0	<1	2009	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	2.79E+01	pg/g		Y	2.79E-05	2.79E-05	
DIOXINS FURANS	09RCRA705	0	<1	2009	N/A	Total Tetrachlorodibenzo-p-dioxin	1.11E-01	pg/g	U	N	ND	1.11E-07	
DIOXINS FURANS	09RCRA705	0	<1	2009	N/A	Total Pentachlorodibenzo-p-dioxin	8.21E-01	pg/g	J	Y	8.21E-07	8.21E-07	
DIOXINS FURANS	09RCRA705	0	<1	2009	N/A	Total Hexachlorodibenzo-p-dioxin	1.41E+01	pg/g		Y	1.41E-05	1.41E-05	
DIOXINS FURANS	09RCRA705	0	<1	2009	N/A	Total Heptachlorodibenzo-p-dioxin	7.16E+01	pg/g		Y	7.16E-05	7.16E-05	
DIOXINS FURANS	09RCRA705	0	<1	2009	N/A	Total Tetrachlorodibenzofuran	3.90E+00	pg/g		Y	3.90E-06	3.90E-06	
DIOXINS FURANS	09RCRA705	0	<1	2009	N/A	Total Pentachlorodibenzofuran	7.55E+00	pg/g		Y	7.55E-06	7.55E-06	
DIOXINS FURANS	09RCRA705	0	<1	2009	N/A	Total Hexachlorodibenzofuran	2.28E+01	pg/g		Y	2.28E-05	2.28E-05	
DIOXINS FURANS	09RCRA705	0	<1	2009	N/A	Total Heptachlorodibenzofuran	3.43E+01	pg/g		Y	3.43E-05	3.43E-05	
INORGANIC	09RCRA706	0	<1	2009	As	Arsenic	1.94E+03	ug/Kg		Y	1.94E+00	1.94E+00	
INORGANIC	09RCRA706	0	<1	2009	Ba	Barium	2.98E+05	ug/Kg	*	Y	2.98E+02	2.98E+02	
INORGANIC	09RCRA706	0	<1	2009	Cd	Cadmium	5.62E+02	ug/Kg		Y	5.62E-01	5.62E-01	
INORGANIC	09RCRA706	0	<1	2009	Cr	Chromium	5.20E+03	ug/Kg	*	Y	5.20E+00	5.20E+00	
INORGANIC	09RCRA706	0	<1	2009	Pb	Lead	1.15E+04	ug/Kg	EN*	Y	1.15E+01	1.15E+01	
INORGANIC	09RCRA706	0	<1	2009	Hg	Mercury	1.03E+01	ug/kg	J	Y	1.03E-02	1.03E-02	
INORGANIC	09RCRA706	0	<1	2009	Se	Selenium	1.03E+03	ug/Kg	UN	N	ND	5.10E-01	
INORGANIC	09RCRA706	0	<1	2009	Ag	Silver	3.90E+02	ug/kg	J	Y	3.90E-01	3.90E-01	
DIOXINS FURANS	09RCRA707	0	<1	2009	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	Missing	pg/g	JK	Y			
DIOXINS FURANS	09RCRA707	0	<1	2009	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.44E-01	pg/g	U	N	ND	4.44E-07	
DIOXINS FURANS	09RCRA707	0	<1	2009	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.44E-01	pg/g	U	N	ND	4.44E-07	
DIOXINS FURANS	09RCRA707	0	<1	2009	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	7.53E-01	pg/g	J	Y	7.53E-07	7.53E-07	
DIOXINS FURANS	09RCRA707	0	<1	2009	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	8.03E-01	pg/g	J	Y	8.03E-07	8.03E-07	
DIOXINS FURANS	09RCRA707	0	<1	2009	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	2.01E+01	pg/g		Y	2.01E-05	2.01E-05	
DIOXINS FURANS	09RCRA707	0	<1	2009	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.29E+02	pg/g		Y	1.29E-04	1.29E-04	
DIOXINS FURANS	09RCRA707	0	<1	2009	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	Missing	pg/g	JK	Y			
DIOXINS FURANS	09RCRA707	0	<1	2009	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	5.72E-01	pg/g	J	Y	5.72E-07	5.72E-07	
DIOXINS FURANS	09RCRA707	0	<1	2009	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	6.77E-01	pg/g	J	Y	6.77E-07	6.77E-07	
DIOXINS FURANS	09RCRA707	0	<1	2009	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	7.87E-01	pg/g	J	Y	7.87E-07	7.87E-07	
DIOXINS FURANS	09RCRA707	0	<1	2009	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	7.41E-01	pg/g	J	Y	7.41E-07	7.41E-07	
DIOXINS FURANS	09RCRA707	0	<1	2009	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	Missing	pg/g	JK	Y			
DIOXINS FURANS	09RCRA707	0	<1	2009	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.44E-01	pg/g	U	N	ND	4.44E-07	
DIOXINS FURANS	09RCRA707	0	<1	2009	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	7.27E+00	pg/g		Y	7.27E-06	7.27E-06	
DIOXINS FURANS	09RCRA707	0	<1	2009	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	7.30E-01	pg/g	J	Y	7.30E-07	7.30E-07	
DIOXINS FURANS	09RCRA707	0	<1	2009	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.95E+01	pg/g		Y	1.95E-05	1.95E-05	
DIOXINS FURANS	09RCRA707	0	<1	2009	N/A	Total Tetrachlorodibenzo-p-dioxin	2.25E+01	pg/g		Y	2.25E-05	2.25E-05	

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
DIOXINS FURANS	09RCRA707	0	<1	2009	N/A	Total Pentachlorodibenzo-p-dioxin	1.03E+00	pg/g	J	Y	1.03E-06	1.03E-06	
DIOXINS FURANS	09RCRA707	0	<1	2009	N/A	Total Hexachlorodibenzo-p-dioxin	6.93E+00	pg/g		Y	6.93E-06	6.93E-06	
DIOXINS FURANS	09RCRA707	0	<1	2009	N/A	Total Heptachlorodibenzo-p-dioxin	3.51E+01	pg/g		Y	3.51E-05	3.51E-05	
DIOXINS FURANS	09RCRA707	0	<1	2009	N/A	Total Tetrachlorodibenzofuran	3.27E+01	pg/g		Y	3.27E-05	3.27E-05	
DIOXINS FURANS	09RCRA707	0	<1	2009	N/A	Total Pentachlorodibenzofuran	2.39E+01	pg/g		Y	2.39E-05	2.39E-05	
DIOXINS FURANS	09RCRA707	0	<1	2009	N/A	Total Hexachlorodibenzofuran	1.60E+01	pg/g		Y	1.60E-05	1.60E-05	
DIOXINS FURANS	09RCRA707	0	<1	2009	N/A	Total Heptachlorodibenzofuran	2.26E+01	pg/g		Y	2.26E-05	2.26E-05	
INORGANIC	09RCRA708	0	<1	2009	As	Arsenic	9.44E+02	ug/Kg	J	Y	9.44E-01	9.44E-01	
INORGANIC	09RCRA708	0	<1	2009	Ba	Barium	9.70E+05	ug/Kg	*	Y	9.70E+02	9.70E+02	
INORGANIC	09RCRA708	0	<1	2009	Cd	Cadmium	3.19E+02	ug/Kg		Y	3.19E-01	3.19E-01	
INORGANIC	09RCRA708	0	<1	2009	Cr	Chromium	4.59E+03	ug/Kg	*	Y	4.59E+00	4.59E+00	
INORGANIC	09RCRA708	0	<1	2009	Pb	Lead	9.16E+03	ug/Kg	EN*	Y	9.16E+00	9.16E+00	
INORGANIC	09RCRA708	0	<1	2009	Hg	Mercury	6.10E+00	ug/kg	J	Y	6.10E-03	6.10E-03	
INORGANIC	09RCRA708	0	<1	2009	Se	Selenium	1.01E+03	ug/Kg	UN	N	ND	5.00E-01	
INORGANIC	09RCRA708	0	<1	2009	Ag	Silver	6.92E+02	ug/kg		Y	6.92E-01	6.92E-01	
DIOXINS FURANS	09RCRA709	0	<1	2009	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	5.49E-01	pg/g	J	Y	5.49E-07	5.49E-07	
DIOXINS FURANS	09RCRA709	0	<1	2009	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	Missing	pg/g	JK	Y			
DIOXINS FURANS	09RCRA709	0	<1	2009	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	7.71E-01	pg/g	J	Y	7.71E-07	7.71E-07	
DIOXINS FURANS	09RCRA709	0	<1	2009	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	1.28E+00	pg/g	J	Y	1.28E-06	1.28E-06	
DIOXINS FURANS	09RCRA709	0	<1	2009	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	Missing	pg/g	JK	Y			
DIOXINS FURANS	09RCRA709	0	<1	2009	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	3.23E+01	pg/g		Y	3.23E-05	3.23E-05	
DIOXINS FURANS	09RCRA709	0	<1	2009	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.85E+02	pg/g		Y	1.85E-04	1.85E-04	
DIOXINS FURANS	09RCRA709	0	<1	2009	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	5.95E-01	pg/g	J	Y	5.95E-07	5.95E-07	
DIOXINS FURANS	09RCRA709	0	<1	2009	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	4.76E-01	pg/g	J	Y	4.76E-07	4.76E-07	
DIOXINS FURANS	09RCRA709	0	<1	2009	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	Missing	pg/g	JK	Y			
DIOXINS FURANS	09RCRA709	0	<1	2009	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	7.66E-01	pg/g	J	Y	7.66E-07	7.66E-07	
DIOXINS FURANS	09RCRA709	0	<1	2009	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	7.37E-01	pg/g	J	Y	7.37E-07	7.37E-07	
DIOXINS FURANS	09RCRA709	0	<1	2009	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	8.63E-01	pg/g	J	Y	8.63E-07	8.63E-07	
DIOXINS FURANS	09RCRA709	0	<1	2009	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.44E-01	pg/g	U	N	ND	4.44E-07	
DIOXINS FURANS	09RCRA709	0	<1	2009	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	8.71E+00	pg/g		Y	8.71E-06	8.71E-06	
DIOXINS FURANS	09RCRA709	0	<1	2009	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	7.41E-01	pg/g	J	Y	7.41E-07	7.41E-07	
DIOXINS FURANS	09RCRA709	0	<1	2009	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	2.19E+01	pg/g		Y	2.19E-05	2.19E-05	
DIOXINS FURANS	09RCRA709	0	<1	2009	N/A	Total Tetrachlorodibenzo-p-dioxin	3.15E+00	pg/g		Y	3.15E-06	3.15E-06	
DIOXINS FURANS	09RCRA709	0	<1	2009	N/A	Total Pentachlorodibenzo-p-dioxin	2.32E+00	pg/g	J	Y	2.32E-06	2.32E-06	
DIOXINS FURANS	09RCRA709	0	<1	2009	N/A	Total Hexachlorodibenzo-p-dioxin	1.44E+01	pg/g		Y	1.44E-05	1.44E-05	
DIOXINS FURANS	09RCRA709	0	<1	2009	N/A	Total Heptachlorodibenzo-p-dioxin	6.94E+01	pg/g		Y	6.94E-05	6.94E-05	
DIOXINS FURANS	09RCRA709	0	<1	2009	N/A	Total Tetrachlorodibenzofuran	6.13E+00	pg/g		Y	6.13E-06	6.13E-06	
DIOXINS FURANS	09RCRA709	0	<1	2009	N/A	Total Pentachlorodibenzofuran	1.08E+01	pg/g		Y	1.08E-05	1.08E-05	
DIOXINS FURANS	09RCRA709	0	<1	2009	N/A	Total Hexachlorodibenzofuran	1.81E+01	pg/g		Y	1.81E-05	1.81E-05	
DIOXINS FURANS	09RCRA709	0	<1	2009	N/A	Total Heptachlorodibenzofuran	2.72E+01	pg/g		Y	2.72E-05	2.72E-05	
INORGANIC	09RCRA710	0	<1	2009	As	Arsenic	7.67E+02	ug/Kg	J	Y	7.67E-01	7.67E-01	
INORGANIC	09RCRA710	0	<1	2009	Ba	Barium	1.78E+06	ug/Kg	*	Y	1.78E+03	1.78E+03	
INORGANIC	09RCRA710	0	<1	2009	Cd	Cadmium	4.53E+02	ug/Kg		Y	4.53E-01	4.53E-01	
INORGANIC	09RCRA710	0	<1	2009	Cr	Chromium	5.24E+03	ug/Kg	*	Y	5.24E+00	5.24E+00	
INORGANIC	09RCRA710	0	<1	2009	Pb	Lead	1.35E+04	ug/Kg	EN*	Y	1.35E+01	1.35E+01	
INORGANIC	09RCRA710	0	<1	2009	Hg	Mercury	4.00E+01	ug/kg		Y	4.00E-02	4.00E-02	
INORGANIC	09RCRA710	0	<1	2009	Se	Selenium	1.05E+03	ug/Kg	UN	N	ND	5.30E-01	
INORGANIC	09RCRA710	0	<1	2009	Ag	Silver	7.95E+03	ug/kg		Y	7.95E+00	7.95E+00	
DIOXINS FURANS	09RCRA711	0	<1	2009	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	1.34E+00	pg/g		Y	1.34E-06	1.34E-06	
DIOXINS FURANS	09RCRA711	0	<1	2009	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	6.99E+00	pg/g		Y	6.99E-06	6.99E-06	
DIOXINS FURANS	09RCRA711	0	<1	2009	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	1.79E+01	pg/g		Y	1.79E-05	1.79E-05	
DIOXINS FURANS	09RCRA711	0	<1	2009	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	3.33E+01	pg/g		Y	3.33E-05	3.33E-05	
DIOXINS FURANS	09RCRA711	0	<1	2009	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.07E+01	pg/g		Y	4.07E-05	4.07E-05	
DIOXINS FURANS	09RCRA711	0	<1	2009	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	9.00E+02	pg/g		Y	9.00E-04	9.00E-04	

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
DIOXINS FURANS	09RCRA711	0	<1	2009	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	4.80E+03	pg/g		Y	4.80E-03	4.80E-03	
DIOXINS FURANS	09RCRA711	0	<1	2009	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	1.51E+00	pg/g		Y	1.51E-06	1.51E-06	
DIOXINS FURANS	09RCRA711	0	<1	2009	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	1.65E+00	pg/g	J	Y	1.65E-06	1.65E-06	
DIOXINS FURANS	09RCRA711	0	<1	2009	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	1.97E+00	pg/g	J	Y	1.97E-06	1.97E-06	
DIOXINS FURANS	09RCRA711	0	<1	2009	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.21E+01	pg/g		Y	1.21E-05	1.21E-05	
DIOXINS FURANS	09RCRA711	0	<1	2009	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	1.44E+01	pg/g		Y	1.44E-05	1.44E-05	
DIOXINS FURANS	09RCRA711	0	<1	2009	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.78E+01	pg/g		Y	1.78E-05	1.78E-05	
DIOXINS FURANS	09RCRA711	0	<1	2009	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	2.02E+00	pg/g	J	Y	2.02E-06	2.02E-06	
DIOXINS FURANS	09RCRA711	0	<1	2009	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	2.88E+02	pg/g		Y	2.88E-04	2.88E-04	
DIOXINS FURANS	09RCRA711	0	<1	2009	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.92E+01	pg/g		Y	1.92E-05	1.92E-05	
DIOXINS FURANS	09RCRA711	0	<1	2009	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	6.57E+02	pg/g		Y	6.57E-04	6.57E-04	
DIOXINS FURANS	09RCRA711	0	<1	2009	N/A	Total Tetrachlorodibenzo-p-dioxin	1.57E+01	pg/g		Y	1.57E-05	1.57E-05	
DIOXINS FURANS	09RCRA711	0	<1	2009	N/A	Total Pentachlorodibenzo-p-dioxin	4.30E+01	pg/g		Y	4.30E-05	4.30E-05	
DIOXINS FURANS	09RCRA711	0	<1	2009	N/A	Total Hexachlorodibenzo-p-dioxin	3.06E+02	pg/g		Y	3.06E-04	3.06E-04	
DIOXINS FURANS	09RCRA711	0	<1	2009	N/A	Total Heptachlorodibenzo-p-dioxin	1.55E+03	pg/g		Y	1.55E-03	1.55E-03	
DIOXINS FURANS	09RCRA711	0	<1	2009	N/A	Total Tetrachlorodibenzofuran	2.64E+01	pg/g		Y	2.64E-05	2.64E-05	
DIOXINS FURANS	09RCRA711	0	<1	2009	N/A	Total Pentachlorodibenzofuran	1.21E+02	pg/g		Y	1.21E-04	1.21E-04	
DIOXINS FURANS	09RCRA711	0	<1	2009	N/A	Total Hexachlorodibenzofuran	5.63E+02	pg/g		Y	5.63E-04	5.63E-04	
DIOXINS FURANS	09RCRA711	0	<1	2009	N/A	Total Heptachlorodibenzofuran	9.63E+02	pg/g		Y	9.63E-04	9.63E-04	
DIOXINS FURANS	09RCRA711	0	<1	2009	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	8.99E-01	pg/g		Y	8.99E-07	8.99E-07	
INORGANIC	09RCRA712	0	<1	2009	As	Arsenic	9.81E+02	ug/Kg	J	Y	9.81E-01	9.81E-01	
INORGANIC	09RCRA712	0	<1	2009	Ba	Barium	1.73E+06	ug/Kg	*	Y	1.73E+03	1.73E+03	
INORGANIC	09RCRA712	0	<1	2009	Cd	Cadmium	4.25E+02	ug/Kg		Y	4.25E-01	4.25E-01	
INORGANIC	09RCRA712	0	<1	2009	Cr	Chromium	5.16E+03	ug/Kg	*	Y	5.16E+00	5.16E+00	
INORGANIC	09RCRA712	0	<1	2009	Pb	Lead	9.48E+03	ug/Kg	EN*	Y	9.48E+00	9.48E+00	
INORGANIC	09RCRA712	0	<1	2009	Hg	Mercury	2.03E+01	ug/kg		Y	2.03E-02	2.03E-02	
INORGANIC	09RCRA712	0	<1	2009	Se	Selenium	1.17E+03	ug/Kg	UN	N	ND	5.90E-01	
INORGANIC	09RCRA712	0	<1	2009	Ag	Silver	1.59E+03	ug/kg		Y	1.59E+00	1.59E+00	
DIOXINS FURANS	09RCRA731	0	<1	2009	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	4.61E-01	pg/g	J	Y	4.61E-07	4.61E-07	
DIOXINS FURANS	09RCRA731	0	<1	2009	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.42E-01	pg/g	U	N	ND	4.42E-07	
DIOXINS FURANS	09RCRA731	0	<1	2009	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.42E-01	pg/g	U	N	ND	4.42E-07	
DIOXINS FURANS	09RCRA731	0	<1	2009	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.42E-01	pg/g	U	N	ND	4.42E-07	
DIOXINS FURANS	09RCRA731	0	<1	2009	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.42E-01	pg/g	U	N	ND	4.42E-07	
DIOXINS FURANS	09RCRA731	0	<1	2009	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	5.93E+00	pg/g		Y	5.93E-06	5.93E-06	
DIOXINS FURANS	09RCRA731	0	<1	2009	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3.18E+01	pg/g		Y	3.18E-05	3.18E-05	
DIOXINS FURANS	09RCRA731	0	<1	2009	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	2.45E-01	pg/g	J	Y	2.45E-07	2.45E-07	
DIOXINS FURANS	09RCRA731	0	<1	2009	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	4.42E-01	pg/g	U	N	ND	4.42E-07	
DIOXINS FURANS	09RCRA731	0	<1	2009	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.42E-01	pg/g	U	N	ND	4.42E-07	
DIOXINS FURANS	09RCRA731	0	<1	2009	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	4.42E-01	pg/g	U	N	ND	4.42E-07	
DIOXINS FURANS	09RCRA731	0	<1	2009	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.42E-01	pg/g	U	N	ND	4.42E-07	
DIOXINS FURANS	09RCRA731	0	<1	2009	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.42E-01	pg/g	U	N	ND	4.42E-07	
DIOXINS FURANS	09RCRA731	0	<1	2009	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.42E-01	pg/g	U	N	ND	4.42E-07	
DIOXINS FURANS	09RCRA731	0	<1	2009	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	2.02E+00	pg/g	J	Y	2.02E-06	2.02E-06	
DIOXINS FURANS	09RCRA731	0	<1	2009	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.42E-01	pg/g	U	N	ND	4.42E-07	
DIOXINS FURANS	09RCRA731	0	<1	2009	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	3.64E+00	pg/g	J	Y	3.64E-06	3.64E-06	
DIOXINS FURANS	09RCRA731	0	<1	2009	N/A	Total Tetrachlorodibenzo-p-dioxin	4.61E-01	pg/g	J	Y	4.61E-07	4.61E-07	
DIOXINS FURANS	09RCRA731	0	<1	2009	N/A	Total Pentachlorodibenzo-p-dioxin	4.42E-01	pg/g	U	N	ND	4.42E-07	
DIOXINS FURANS	09RCRA731	0	<1	2009	N/A	Total Hexachlorodibenzo-p-dioxin	1.23E+00	pg/g	J	Y	1.23E-06	1.23E-06	
DIOXINS FURANS	09RCRA731	0	<1	2009	N/A	Total Heptachlorodibenzo-p-dioxin	1.48E+01	pg/g		Y	1.48E-05	1.48E-05	
DIOXINS FURANS	09RCRA731	0	<1	2009	N/A	Total Tetrachlorodibenzofuran	1.46E+00	pg/g		Y	1.46E-06	1.46E-06	
DIOXINS FURANS	09RCRA731	0	<1	2009	N/A	Total Pentachlorodibenzofuran	2.07E+00	pg/g	J	Y	2.07E-06	2.07E-06	
DIOXINS FURANS	09RCRA731	0	<1	2009	N/A	Total Hexachlorodibenzofuran	2.83E+00	pg/g	J	Y	2.83E-06	2.83E-06	
DIOXINS FURANS	09RCRA731	0	<1	2009	N/A	Total Heptachlorodibenzofuran	4.83E+00	pg/g		Y	4.83E-06	4.83E-06	
INORGANIC	09RCRA732	0	<1	2009	As	Arsenic	1.84E+03	ug/Kg		Y	1.84E+00	1.84E+00	

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
INORGANIC	09RCRA732	0	<1	2009	Ba	Barium	2.67E+05	ug/Kg	*	Y	2.67E+02	2.67E+02	
INORGANIC	09RCRA732	0	<1	2009	Cd	Cadmium	4.14E+02	ug/Kg		Y	4.14E-01	4.14E-01	
INORGANIC	09RCRA732	0	<1	2009	Cr	Chromium	6.85E+03	ug/Kg	*	Y	6.85E+00	6.85E+00	
INORGANIC	09RCRA732	0	<1	2009	Pb	Lead	1.18E+04	ug/Kg	EN*	Y	1.18E+01	1.18E+01	
INORGANIC	09RCRA732	0	<1	2009	Hg	Mercury	1.18E+01	ug/kg		Y	1.18E-02	1.18E-02	
INORGANIC	09RCRA732	0	<1	2009	Se	Selenium	1.03E+03	ug/Kg	UN	N	ND	5.20E-01	
INORGANIC	09RCRA732	0	<1	2009	Ag	Silver	2.97E+02	ug/kg	J	Y	2.97E-01	2.97E-01	
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	N/A	Pentachlorodibenzofurans (Totals)	2.42E-06	mg/kg	J	Y	2.42E-06	2.42E-06	
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	8.05E-06	mg/kg	J	Y	8.05E-06	8.05E-06	1.00E-05
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	7.01E-07	mg/kg	J	Y	7.01E-07	7.01E-07	5.20E-06
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	9.02E-07	mg/kg	JK	Y	9.02E-07	9.02E-07	5.20E-06
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	8.23E-07	mg/kg	J	Y	8.23E-07	8.23E-07	5.20E-06
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	7.80E-07	mg/kg	J	Y	7.80E-07	7.80E-07	5.20E-06
SVOC	RE16-12-17672	0	<1	8/13/2012	65-85-0	Benzoic Acid	4.83E-01	mg/kg	J	Y	4.83E-01	4.83E-01	6.90E-01
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	9.68E-07	mg/kg	J	Y	9.68E-07	9.68E-07	5.20E-06
INORGANIC	RE16-12-17672	0	<1	8/13/2012	As	Arsenic	9.54E-01	mg/kg	J	Y	9.54E-01	9.54E-01	9.69E-01
LCMS/MS PERCHLORATE	RE16-12-17672	0	<1	8/13/2012	ClO4	Perchlorate	5.99E-04	mg/kg	J	Y	5.99E-04	5.99E-04	2.08E-03
INORGANIC	RE16-12-17672	0	<1	8/13/2012	Co	Cobalt	2.08E+00	mg/kg		Y	2.08E+00	2.08E+00	5.19E-01
INORGANIC	RE16-12-17672	0	<1	8/13/2012	Hg	Mercury	7.17E-03	mg/kg	J	Y	7.17E-03	7.17E-03	1.22E-02
INORGANIC	RE16-12-17672	0	<1	8/13/2012	K	Potassium	9.81E+02	mg/kg	*	Y	9.81E+02	9.81E+02	2.59E+01
INORGANIC	RE16-12-17672	0	<1	8/13/2012	Mg	Magnesium	1.06E+03	mg/kg	*	Y	1.06E+03	1.06E+03	3.11E+01
INORGANIC	RE16-12-17672	0	<1	8/13/2012	Tl	Thallium	9.44E-02	mg/kg	J	Y	9.44E-02	9.44E-02	3.88E-01
INORGANIC	RE16-12-17672	0	<1	8/13/2012	Ba	Barium	6.58E+02	mg/kg		Y	6.58E+02	6.58E+02	5.19E-01
INORGANIC	RE16-12-17672	0	<1	8/13/2012	Al	Aluminum	4.39E+03	mg/kg		Y	4.39E+03	4.39E+03	2.07E+01
INORGANIC	RE16-12-17672	0	<1	8/13/2012	Ca	Calcium	1.29E+03	mg/kg	N	Y	1.29E+03	1.29E+03	2.59E+01
INORGANIC	RE16-12-17672	0	<1	8/13/2012	Ni	Nickel	3.55E+00	mg/kg	N*	Y	3.55E+00	3.55E+00	3.88E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17672	0	<1	8/13/2012	3058-38-6	TATB	3.29E+00	mg/kg		Y	3.29E+00	3.29E+00	1.00E+00
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	6.68E-05	mg/kg		Y	6.68E-05	6.68E-05	1.00E-05
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	N/A	Hexachlorodibenzodioxins (Total)	7.75E-06	mg/kg		Y	7.75E-06	7.75E-06	
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.20E-05	mg/kg		Y	1.20E-05	1.20E-05	5.20E-06
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	N/A	Heptachlorodibenzodioxins (Total)	2.66E-05	mg/kg		Y	2.66E-05	2.66E-05	
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	N/A	Heptachlorodibenzofurans (Total)	9.91E-06	mg/kg		Y	9.91E-06	9.91E-06	
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	N/A	Tetrachlorodibenzodioxins (Total)	1.23E-06	mg/kg		Y	1.23E-06	1.23E-06	
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	N/A	Hexachlorodibenzofurans (Total)	8.76E-06	mg/kg		Y	8.76E-06	8.76E-06	
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	N/A	Tetrachlorodibenzofurans (Totals)	2.22E-06	mg/kg		Y	2.22E-06	2.22E-06	
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	5.75E-06	mg/kg		Y	5.75E-06	5.75E-06	5.20E-06
INORGANIC	RE16-12-17672	0	<1	8/13/2012	Ag	Silver	8.45E-01	mg/kg		Y	8.45E-01	8.45E-01	5.19E-01
INORGANIC	RE16-12-17672	0	<1	8/13/2012	Be	Beryllium	6.03E-01	mg/kg		Y	6.03E-01	6.03E-01	9.69E-02
INORGANIC	RE16-12-17672	0	<1	8/13/2012	Cr	Chromium	5.06E+00	mg/kg		Y	5.06E+00	5.06E+00	5.19E-01
INORGANIC	RE16-12-17672	0	<1	8/13/2012	Cu	Copper	1.17E+01	mg/kg		Y	1.17E+01	1.17E+01	1.04E+00
INORGANIC	RE16-12-17672	0	<1	8/13/2012	Fe	Iron	1.13E+04	mg/kg		Y	1.13E+04	1.13E+04	2.59E+01
INORGANIC	RE16-12-17672	0	<1	8/13/2012	Mn	Manganese	3.08E+02	mg/kg		Y	3.08E+02	3.08E+02	1.04E+00
INORGANIC	RE16-12-17672	0	<1	8/13/2012	Na	Sodium	1.21E+02	mg/kg		Y	1.21E+02	1.21E+02	2.59E+01
INORGANIC	RE16-12-17672	0	<1	8/13/2012	Pb	Lead	1.20E+01	mg/kg		Y	1.20E+01	1.20E+01	1.04E+00
INORGANIC	RE16-12-17672	0	<1	8/13/2012	V	Vanadium	1.06E+01	mg/kg		Y	1.06E+01	1.06E+01	5.19E-01
INORGANIC	RE16-12-17672	0	<1	8/13/2012	Zn	Zinc	5.71E+01	mg/kg		Y	5.71E+01	5.71E+01	1.04E+00
SVOC	RE16-12-17672	0	<1	8/13/2012	100-01-6	Nitroaniline[4-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	100-02-7	Nitrophenol[4-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
VOC	RE16-12-17672	0	<1	8/13/2012	100-41-4	Ethylbenzene	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	100-42-5	Styrene	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
SVOC	RE16-12-17672	0	<1	8/13/2012	100-51-6	Benzyl Alcohol	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
VOC	RE16-12-17672	0	<1	8/13/2012	10061-01-5	Dichloropropene[cis-1,3-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	10061-02-6	Dichloropropene[trans-1,3-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
SVOC	RE16-12-17672	0	<1	8/13/2012	101-55-3	Bromophenyl-phenylether[4-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	RE16-12-17672	0	<1	8/13/2012	103-33-3	Azobenzene	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
VOC	RE16-12-17672	0	<1	8/13/2012	103-65-1	Propylbenzene[1-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	104-51-8	Butylbenzene[n-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
SVOC	RE16-12-17672	0	<1	8/13/2012	105-67-9	Dimethylphenol[2,4-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
VOC	RE16-12-17672	0	<1	8/13/2012	106-43-4	Chlorotoluene[4-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
SVOC	RE16-12-17672	0	<1	8/13/2012	106-44-5	Methylphenol[4-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
VOC	RE16-12-17672	0	<1	8/13/2012	106-46-7	Dichlorobenzene[1,4-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
SVOC	RE16-12-17672	0	<1	8/13/2012	106-46-7	Dichlorobenzene[1,4-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	106-47-8	Chloroaniline[4-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
VOC	RE16-12-17672	0	<1	8/13/2012	106-93-4	Dibromoethane[1,2-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	107-06-2	Dichloroethane[1,2-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	108-10-1	Methyl-2-pentanone[4-]	5.20E-03	mg/kg	U	N	ND	1.56E-03	5.20E-03
SVOC	RE16-12-17672	0	<1	8/13/2012	108-60-1	Oxybis(1-chloropropane)[2,2'-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
VOC	RE16-12-17672	0	<1	8/13/2012	108-67-8	Trimethylbenzene[1,3,5-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	108-86-1	Bromobenzene	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	108-88-3	Toluene	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	108-90-7	Chlorobenzene	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
SVOC	RE16-12-17672	0	<1	8/13/2012	108-95-2	Phenol	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	110-86-1	Pyridine	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	111-44-4	Bis(2-chloroethyl)ether	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	111-91-1	Bis(2-chloroethoxy)methane	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	117-81-7	Bis(2-ethylhexyl)phthalate	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	117-84-0	Di-n-octylphthalate	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	118-74-1	Hexachlorobenzene	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	120-12-7	Anthracene	3.45E-02	mg/kg	U	N	ND	1.03E-02	3.45E-02
SVOC	RE16-12-17672	0	<1	8/13/2012	120-82-1	Trichlorobenzene[1,2,4-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	120-83-2	Dichlorophenol[2,4-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	121-14-2	Dinitrotoluene[2,4-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17672	0	<1	8/13/2012	121-14-2	Dinitrotoluene[2,4-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17672	0	<1	8/13/2012	121-82-4	RDX	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	122-39-4	Diphenylamine	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
VOC	RE16-12-17672	0	<1	8/13/2012	124-48-1	Chlorodibromomethane	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	127-18-4	Tetrachloroethene	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
SVOC	RE16-12-17672	0	<1	8/13/2012	129-00-0	Pyrene	3.45E-02	mg/kg	U	N	ND	1.03E-02	3.45E-02
SVOC	RE16-12-17672	0	<1	8/13/2012	131-11-3	Dimethyl Phthalate	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	132-64-9	Dibenzofuran	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
VOC	RE16-12-17672	0	<1	8/13/2012	135-98-8	Butylbenzene[sec-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	142-28-9	Dichloropropane[1,3-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	156-59-2	Dichloroethene[cis-1,2-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	156-60-5	Dichloroethene[trans-1,2-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	4.83E-07	mg/kg	U	N	ND	3.46E-07	1.00E-06
SVOC	RE16-12-17672	0	<1	8/13/2012	191-24-2	Benzo(g,h,i)perylene	3.45E-02	mg/kg	U	N	ND	1.03E-02	3.45E-02
SVOC	RE16-12-17672	0	<1	8/13/2012	193-39-5	Indeno(1,2,3-cd)pyrene	3.45E-02	mg/kg	U	N	ND	1.03E-02	3.45E-02
LCMS/MS HIGH EXPLOSIVES	RE16-12-17672	0	<1	8/13/2012	19406-51-0	Amino-2,6-dinitrotoluene[4-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	6.65E-07	mg/kg	U	N	ND	1.73E-06	5.20E-06
SVOC	RE16-12-17672	0	<1	8/13/2012	205-99-2	Benzo(b)fluoranthene	3.45E-02	mg/kg	U	N	ND	1.03E-02	3.45E-02
SVOC	RE16-12-17672	0	<1	8/13/2012	206-44-0	Fluoranthene	3.45E-02	mg/kg	U	N	ND	1.03E-02	3.45E-02
SVOC	RE16-12-17672	0	<1	8/13/2012	207-08-9	Benzo(k)fluoranthene	3.45E-02	mg/kg	U	N	ND	1.03E-02	3.45E-02
SVOC	RE16-12-17672	0	<1	8/13/2012	208-96-8	Acenaphthylene	3.45E-02	mg/kg	U	N	ND	1.03E-02	3.45E-02
SVOC	RE16-12-17672	0	<1	8/13/2012	218-01-9	Chrysene	3.45E-02	mg/kg	U	N	ND	1.03E-02	3.45E-02
LCMS/MS HIGH EXPLOSIVES	RE16-12-17672	0	<1	8/13/2012	2691-41-0	HMX	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17672	0	<1	8/13/2012	35572-78-2	Amino-4,6-dinitrotoluene[2-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	N/A	Pentachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	1.73E-06	
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	6.51E-07	mg/kg	U	N	ND	1.73E-06	5.20E-06

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	5.18E-07	mg/kg	U	N	ND	1.73E-06	5.20E-06
SVOC	RE16-12-17672	0	<1	8/13/2012	50-32-8	Benzo(a)pyrene	3.45E-02	mg/kg	U	N	ND	1.03E-02	3.45E-02
SVOC	RE16-12-17672	0	<1	8/13/2012	51-28-5	Dinitrophenol[2,4-]	6.90E-01	mg/kg	U	N	ND	1.03E-01	6.90E-01
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	1.04E-06	mg/kg	B	N	ND	3.46E-07	1.00E-06
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	7.86E-07	mg/kg	BJ	N	ND	3.46E-07	1.00E-06
SVOC	RE16-12-17672	0	<1	8/13/2012	53-70-3	Dibenz(a,h)anthracene	3.45E-02	mg/kg	U	N	ND	1.03E-02	3.45E-02
SVOC	RE16-12-17672	0	<1	8/13/2012	534-52-1	Dinitro-2-methylphenol[4,6-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
VOC	RE16-12-17672	0	<1	8/13/2012	541-73-1	Dichlorobenzene[1,3-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
SVOC	RE16-12-17672	0	<1	8/13/2012	541-73-1	Dichlorobenzene[1,3-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.17E-06	mg/kg	U	N	ND	1.73E-06	5.20E-06
VOC	RE16-12-17672	0	<1	8/13/2012	56-23-5	Carbon Tetrachloride	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
SVOC	RE16-12-17672	0	<1	8/13/2012	56-55-3	Benzo(a)anthracene	3.45E-02	mg/kg	U	N	ND	1.03E-02	3.45E-02
VOC	RE16-12-17672	0	<1	8/13/2012	563-58-6	Dichloropropene[1,1-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	6.12E-07	mg/kg	U	N	ND	1.73E-06	5.20E-06
SVOC	RE16-12-17672	0	<1	8/13/2012	59-50-7	Chloro-3-methylphenol[4-]	3.45E-01	mg/kg	U	N	ND	1.38E-01	3.45E-01
VOC	RE16-12-17672	0	<1	8/13/2012	591-78-6	Hexanone[2-]	5.20E-03	mg/kg	U	N	ND	1.56E-03	5.20E-03
LCMS/MS HIGH EXPLOSIVES	RE16-12-17672	0	<1	8/13/2012	59229-75-3	2,6-Diamino-4-nitrotoluene	2.00E+00	mg/kg	U	N	ND	6.60E-01	2.00E+00
VOC	RE16-12-17672	0	<1	8/13/2012	594-20-7	Dichloropropane[2,2-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
SVOC	RE16-12-17672	0	<1	8/13/2012	606-20-2	Dinitrotoluene[2,6-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17672	0	<1	8/13/2012	606-20-2	Dinitrotoluene[2,6-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17672	0	<1	8/13/2012	618-87-1	3,5-Dinitroaniline	1.00E+00	mg/kg	U	N	ND	3.00E-01	1.00E+00
SVOC	RE16-12-17672	0	<1	8/13/2012	62-53-3	Aniline	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	62-75-9	Nitrosodimethylamine[N-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	621-64-7	Nitroso-di-n-propylamine[N-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
VOC	RE16-12-17672	0	<1	8/13/2012	630-20-6	Tetrachloroethane[1,1,1,2-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
LCMS/MS HIGH EXPLOSIVES	RE16-12-17672	0	<1	8/13/2012	6629-29-4	2,4-Diamino-6-nitrotoluene	2.00E+00	mg/kg	U	N	ND	5.00E-01	2.00E+00
VOC	RE16-12-17672	0	<1	8/13/2012	67-64-1	Acetone	5.20E-03	mg/kg	U	N	ND	1.56E-03	5.20E-03
VOC	RE16-12-17672	0	<1	8/13/2012	67-66-3	Chloroform	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
SVOC	RE16-12-17672	0	<1	8/13/2012	67-72-1	Hexachloroethane	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	7005-72-3	Chlorophenyl-phenyl[4-] Ether	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
VOC	RE16-12-17672	0	<1	8/13/2012	71-43-2	Benzene	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	71-55-6	Trichloroethane[1,1,1-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
DIOXINS FURANS	RE16-12-17672	0	<1	8/13/2012	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	5.18E-07	mg/kg	U	N	ND	1.73E-06	5.20E-06
VOC	RE16-12-17672	0	<1	8/13/2012	74-83-9	Bromomethane	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	74-87-3	Chloromethane	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	74-88-4	Iodomethane	5.20E-03	mg/kg	U	N	ND	1.56E-03	5.20E-03
VOC	RE16-12-17672	0	<1	8/13/2012	74-95-3	Dibromomethane	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	74-97-5	Bromochloromethane	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	75-00-3	Chloroethane	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	75-01-4	Vinyl Chloride	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	75-09-2	Methylene Chloride	5.20E-03	mg/kg	U	N	ND	2.08E-03	5.20E-03
VOC	RE16-12-17672	0	<1	8/13/2012	75-15-0	Carbon Disulfide	5.20E-03	mg/kg	U	N	ND	1.56E-03	5.20E-03
VOC	RE16-12-17672	0	<1	8/13/2012	75-25-2	Bromoform	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	75-27-4	Bromodichloromethane	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	75-34-3	Dichloroethane[1,1-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	75-35-4	Dichloroethene[1,1-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	75-69-4	Trichlorofluoromethane	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	75-71-8	Dichlorodifluoromethane	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5.20E-03	mg/kg	U	N	ND	1.56E-03	5.20E-03
SVOC	RE16-12-17672	0	<1	8/13/2012	77-47-4	Hexachlorocyclopentadiene	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17672	0	<1	8/13/2012	78-11-5	PETN	1.00E+00	mg/kg	U	N	ND	2.50E-01	1.00E+00
LCMS/MS HIGH EXPLOSIVES	RE16-12-17672	0	<1	8/13/2012	78-30-8	Tris (o-cresyl) phosphate	1.00E+00	mg/kg	U	N	ND	3.00E-01	1.00E+00
SVOC	RE16-12-17672	0	<1	8/13/2012	78-59-1	Isophorone	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
VOC	RE16-12-17672	0	<1	8/13/2012	78-87-5	Dichloropropane[1,2-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	RE16-12-17672	0	<1	8/13/2012	78-93-3	Butanone[2-]	5.20E-03	mg/kg	U	N	ND	1.56E-03	5.20E-03
VOC	RE16-12-17672	0	<1	8/13/2012	79-00-5	Trichloroethane[1,1,2-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	79-01-6	Trichloroethene	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	79-34-5	Tetrachloroethane[1,1,2,2-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
SVOC	RE16-12-17672	0	<1	8/13/2012	83-32-9	Acenaphthene	3.45E-02	mg/kg	U	N	ND	1.03E-02	3.45E-02
SVOC	RE16-12-17672	0	<1	8/13/2012	84-66-2	Diethylphthalate	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	84-74-2	Di-n-butylphthalate	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	85-01-8	Phenanthrene	3.45E-02	mg/kg	U	N	ND	1.03E-02	3.45E-02
SVOC	RE16-12-17672	0	<1	8/13/2012	85-68-7	Butylbenzylphthalate	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	86-73-7	Fluorene	3.45E-02	mg/kg	U	N	ND	1.03E-02	3.45E-02
SVOC	RE16-12-17672	0	<1	8/13/2012	87-68-3	Hexachlorobutadiene	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	87-86-5	Pentachlorophenol	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	88-06-2	Trichlorophenol[2,4,6-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17672	0	<1	8/13/2012	88-72-2	Nitrotoluene[2-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	88-74-4	Nitroaniline[2-]	3.45E-01	mg/kg	U	N	ND	1.14E-01	3.45E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	88-75-5	Nitrophenol[2-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	91-20-3	Naphthalene	3.45E-02	mg/kg	U	N	ND	1.03E-02	3.45E-02
SVOC	RE16-12-17672	0	<1	8/13/2012	91-57-6	Methylnaphthalene[2-]	3.45E-02	mg/kg	U	N	ND	1.03E-02	3.45E-02
SVOC	RE16-12-17672	0	<1	8/13/2012	91-58-7	Chloronaphthalene[2-]	3.45E-02	mg/kg	U	N	ND	1.03E-02	3.45E-02
SVOC	RE16-12-17672	0	<1	8/13/2012	91-94-1	Dichlorobenzidine[3,3'-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
VOC	RE16-12-17672	0	<1	8/13/2012	95-47-6	Xylene[1,2-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
SVOC	RE16-12-17672	0	<1	8/13/2012	95-48-7	Methylphenol[2-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
VOC	RE16-12-17672	0	<1	8/13/2012	95-49-8	Chlorotoluene[2-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	95-50-1	Dichlorobenzene[1,2-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
SVOC	RE16-12-17672	0	<1	8/13/2012	95-50-1	Dichlorobenzene[1,2-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	95-57-8	Chlorophenol[2-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
VOC	RE16-12-17672	0	<1	8/13/2012	95-63-6	Trimethylbenzene[1,2,4-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
SVOC	RE16-12-17672	0	<1	8/13/2012	95-95-4	Trichlorophenol[2,4,5-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
VOC	RE16-12-17672	0	<1	8/13/2012	96-12-8	Dibromo-3-Chloropropane[1,2-]	1.04E-03	mg/kg	U	N	ND	5.20E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	96-18-4	Trichloropropane[1,2,3-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	98-06-6	Butylbenzene[tert-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
VOC	RE16-12-17672	0	<1	8/13/2012	98-82-8	Isopropylbenzene	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
SVOC	RE16-12-17672	0	<1	8/13/2012	98-95-3	Nitrobenzene	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17672	0	<1	8/13/2012	98-95-3	Nitrobenzene	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17672	0	<1	8/13/2012	99-08-1	Nitrotoluene[3-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	RE16-12-17672	0	<1	8/13/2012	99-09-2	Nitroaniline[3-]	3.45E-01	mg/kg	U	N	ND	1.03E-01	3.45E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17672	0	<1	8/13/2012	99-35-4	Trinitrobenzene[1,3,5-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17672	0	<1	8/13/2012	99-65-0	Dinitrobenzene[1,3-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
VOC	RE16-12-17672	0	<1	8/13/2012	99-87-6	Isopropyltoluene[4-]	1.04E-03	mg/kg	U	N	ND	3.12E-04	1.04E-03
LCMS/MS HIGH EXPLOSIVES	RE16-12-17672	0	<1	8/13/2012	99-99-0	Nitrotoluene[4-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
INORGANIC	RE16-12-17672	0	<1	8/13/2012	Cd	Cadmium	5.19E-01	mg/kg	U	N	ND	1.04E-01	5.19E-01
INORGANIC	RE16-12-17672	0	<1	8/13/2012	Sb	Antimony	1.04E+00	mg/kg	U	N	ND	3.42E-01	1.04E+00
INORGANIC	RE16-12-17672	0	<1	8/13/2012	Se	Selenium	9.69E-01	mg/kg	U	N	ND	3.20E-01	9.69E-01
VOC	RE16-12-17672	0	<1	8/13/2012	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	2.08E-03	mg/kg	U	N	ND	3.12E-04	2.08E-03
LCMS/MS HIGH EXPLOSIVES	RE16-12-17672	0	<1	8/13/2012	118-96-7	Trinitrotoluene[2,4,6-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17672	0	<1	8/13/2012	479-45-8	Tetryl	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	6.99E-07	mg/kg	JK	Y	6.99E-07	6.99E-07	5.10E-06
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	N/A	Pentachlorodibenzodioxins (Total)	7.26E-07	mg/kg	J	Y	7.26E-07	7.26E-07	
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.01E-05	mg/kg	J	Y	1.01E-05	1.01E-05	1.00E-05
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	N/A	Hexachlorodibenzofurans (Total)	2.17E-06	mg/kg	J	Y	2.17E-06	2.17E-06	
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	N/A	Tetrachlorodibenzofurans (Totals)	8.11E-07	mg/kg	J	Y	8.11E-07	8.11E-07	
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	7.55E-07	mg/kg	J	Y	7.55E-07	7.55E-07	5.10E-06
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	2.94E-06	mg/kg	J	Y	2.94E-06	2.94E-06	5.10E-06
VOC	RE16-12-17678	0	<1	8/13/2012	99-87-6	Isopropyltoluene[4-]	4.24E-04	mg/kg	J	Y	4.24E-04	4.24E-04	1.03E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
INORGANIC	RE16-12-17678	0	<1	8/13/2012	As	Arsenic	8.41E-01	mg/kg	J	Y	8.41E-01	8.41E-01	1.02E+00
INORGANIC	RE16-12-17678	0	<1	8/13/2012	Hg	Mercury	1.01E-02	mg/kg	J	Y	1.01E-02	1.01E-02	1.23E-02
INORGANIC	RE16-12-17678	0	<1	8/13/2012	Tl	Thallium	7.92E-02	mg/kg	J	Y	7.92E-02	7.92E-02	4.07E-01
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.09E-04	mg/kg		Y	1.09E-04	1.09E-04	1.00E-05
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	N/A	Hexachlorodibenzodioxins (Total)	7.84E-06	mg/kg		Y	7.84E-06	7.84E-06	
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.49E-05	mg/kg		Y	1.49E-05	1.49E-05	5.10E-06
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	N/A	Heptachlorodibenzodioxins (Total)	4.58E-05	mg/kg		Y	4.58E-05	4.58E-05	
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	N/A	Heptachlorodibenzofurans (Total)	9.38E-06	mg/kg		Y	9.38E-06	9.38E-06	
INORGANIC	RE16-12-17678	0	<1	8/13/2012	Ag	Silver	2.40E+00	mg/kg		Y	2.40E+00	2.40E+00	4.58E-01
INORGANIC	RE16-12-17678	0	<1	8/13/2012	Al	Aluminum	4.50E+03	mg/kg		Y	4.50E+03	4.50E+03	1.83E+01
INORGANIC	RE16-12-17678	0	<1	8/13/2012	Ba	Barium	7.62E+02	mg/kg		Y	7.62E+02	7.62E+02	4.58E-01
INORGANIC	RE16-12-17678	0	<1	8/13/2012	Be	Beryllium	7.51E-01	mg/kg		Y	7.51E-01	7.51E-01	1.02E-01
INORGANIC	RE16-12-17678	0	<1	8/13/2012	Ca	Calcium	1.25E+03	mg/kg	N	Y	1.25E+03	1.25E+03	2.29E+01
INORGANIC	RE16-12-17678	0	<1	8/13/2012	Co	Cobalt	1.09E+00	mg/kg		Y	1.09E+00	1.09E+00	4.58E-01
INORGANIC	RE16-12-17678	0	<1	8/13/2012	Cr	Chromium	5.20E+00	mg/kg		Y	5.20E+00	5.20E+00	4.58E-01
INORGANIC	RE16-12-17678	0	<1	8/13/2012	Cu	Copper	6.40E+00	mg/kg		Y	6.40E+00	6.40E+00	9.16E-01
INORGANIC	RE16-12-17678	0	<1	8/13/2012	Fe	Iron	1.05E+04	mg/kg		Y	1.05E+04	1.05E+04	2.29E+01
INORGANIC	RE16-12-17678	0	<1	8/13/2012	K	Potassium	9.26E+02	mg/kg	*	Y	9.26E+02	9.26E+02	2.29E+01
INORGANIC	RE16-12-17678	0	<1	8/13/2012	Mg	Magnesium	1.10E+03	mg/kg	*	Y	1.10E+03	1.10E+03	2.75E+01
INORGANIC	RE16-12-17678	0	<1	8/13/2012	Mn	Manganese	2.25E+02	mg/kg		Y	2.25E+02	2.25E+02	9.16E-01
INORGANIC	RE16-12-17678	0	<1	8/13/2012	Na	Sodium	1.19E+02	mg/kg		Y	1.19E+02	1.19E+02	2.29E+01
INORGANIC	RE16-12-17678	0	<1	8/13/2012	Ni	Nickel	3.46E+00	mg/kg	N*	Y	3.46E+00	3.46E+00	4.07E-01
INORGANIC	RE16-12-17678	0	<1	8/13/2012	Pb	Lead	7.26E+00	mg/kg		Y	7.26E+00	7.26E+00	9.16E-01
INORGANIC	RE16-12-17678	0	<1	8/13/2012	V	Vanadium	8.02E+00	mg/kg		Y	8.02E+00	8.02E+00	4.58E-01
INORGANIC	RE16-12-17678	0	<1	8/13/2012	Zn	Zinc	5.05E+01	mg/kg		Y	5.05E+01	5.05E+01	9.16E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	100-01-6	Nitroaniline[4-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	100-02-7	Nitrophenol[4-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
VOC	RE16-12-17678	0	<1	8/13/2012	100-41-4	Ethylbenzene	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	100-42-5	Styrene	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
SVOC	RE16-12-17678	0	<1	8/13/2012	100-51-6	Benzyl Alcohol	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
VOC	RE16-12-17678	0	<1	8/13/2012	10061-01-5	Dichloropropene[cis-1,3-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	10061-02-6	Dichloropropene[trans-1,3-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
SVOC	RE16-12-17678	0	<1	8/13/2012	101-55-3	Bromophenyl-phenylether[4-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	103-33-3	Azobenzene	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
VOC	RE16-12-17678	0	<1	8/13/2012	103-65-1	Propylbenzene[1-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	104-51-8	Butylbenzene[n-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
SVOC	RE16-12-17678	0	<1	8/13/2012	105-67-9	Dimethylphenol[2,4-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
VOC	RE16-12-17678	0	<1	8/13/2012	106-43-4	Chlorotoluene[4-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
SVOC	RE16-12-17678	0	<1	8/13/2012	106-44-5	Methylphenol[4-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
VOC	RE16-12-17678	0	<1	8/13/2012	106-46-7	Dichlorobenzene[1,4-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
SVOC	RE16-12-17678	0	<1	8/13/2012	106-46-7	Dichlorobenzene[1,4-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	106-47-8	Chloroaniline[4-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
VOC	RE16-12-17678	0	<1	8/13/2012	106-93-4	Dibromoethane[1,2-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	107-06-2	Dichloroethane[1,2-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	108-10-1	Methyl-2-pentanone[4-]	5.17E-03	mg/kg	U	N	ND	1.55E-03	5.17E-03
SVOC	RE16-12-17678	0	<1	8/13/2012	108-60-1	Oxybis(1-chloropropane)[2,2'-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
VOC	RE16-12-17678	0	<1	8/13/2012	108-67-8	Trimethylbenzene[1,3,5-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	108-86-1	Bromobenzene	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	108-88-3	Toluene	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	108-90-7	Chlorobenzene	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
SVOC	RE16-12-17678	0	<1	8/13/2012	108-95-2	Phenol	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	110-86-1	Pyridine	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	111-44-4	Bis(2-chloroethyl)ether	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	111-91-1	Bis(2-chloroethoxy)methane	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	RE16-12-17678	0	<1	8/13/2012	117-81-7	Bis(2-ethylhexyl)phthalate	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	117-84-0	Di-n-octylphthalate	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	118-74-1	Hexachlorobenzene	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	120-12-7	Anthracene	3.43E-02	mg/kg	U	N	ND	1.03E-02	3.43E-02
SVOC	RE16-12-17678	0	<1	8/13/2012	120-82-1	Trichlorobenzene[1,2,4-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	120-83-2	Dichlorophenol[2,4-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	121-14-2	Dinitrotoluene[2,4-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17678	0	<1	8/13/2012	121-14-2	Dinitrotoluene[2,4-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17678	0	<1	8/13/2012	121-82-4	RDX	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	122-39-4	Diphenylamine	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
VOC	RE16-12-17678	0	<1	8/13/2012	124-48-1	Chlorodibromomethane	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	127-18-4	Tetrachloroethene	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
SVOC	RE16-12-17678	0	<1	8/13/2012	129-00-0	Pyrene	3.43E-02	mg/kg	U	N	ND	1.03E-02	3.43E-02
SVOC	RE16-12-17678	0	<1	8/13/2012	131-11-3	Dimethyl Phthalate	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	132-64-9	Dibenzofuran	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
VOC	RE16-12-17678	0	<1	8/13/2012	135-98-8	Butylbenzene[sec-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	142-28-9	Dichloropropane[1,3-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	156-59-2	Dichloroethene[cis-1,2-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	156-60-5	Dichloroethene[trans-1,2-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	2.90E-07	mg/kg	U	N	ND	3.44E-07	1.00E-06
SVOC	RE16-12-17678	0	<1	8/13/2012	191-24-2	Benzo(g,h,i)perylene	3.43E-02	mg/kg	U	N	ND	1.03E-02	3.43E-02
SVOC	RE16-12-17678	0	<1	8/13/2012	193-39-5	Indeno(1,2,3-cd)pyrene	3.43E-02	mg/kg	U	N	ND	1.03E-02	3.43E-02
LCMS/MS HIGH EXPLOSIVES	RE16-12-17678	0	<1	8/13/2012	19406-51-0	Amino-2,6-dinitrotoluene[4-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	205-99-2	Benzo(b)fluoranthene	3.43E-02	mg/kg	U	N	ND	1.03E-02	3.43E-02
SVOC	RE16-12-17678	0	<1	8/13/2012	206-44-0	Fluoranthene	3.43E-02	mg/kg	U	N	ND	1.03E-02	3.43E-02
SVOC	RE16-12-17678	0	<1	8/13/2012	207-08-9	Benzo(k)fluoranthene	3.43E-02	mg/kg	U	N	ND	1.03E-02	3.43E-02
SVOC	RE16-12-17678	0	<1	8/13/2012	208-96-8	Acenaphthylene	3.43E-02	mg/kg	U	N	ND	1.03E-02	3.43E-02
SVOC	RE16-12-17678	0	<1	8/13/2012	218-01-9	Chrysene	3.43E-02	mg/kg	U	N	ND	1.03E-02	3.43E-02
LCMS/MS HIGH EXPLOSIVES	RE16-12-17678	0	<1	8/13/2012	2691-41-0	HMX	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	N/A	Pentachlorodibenzofurans (Totals)	0.00E+00	mg/kg	U	N	ND	1.71E-06	
LCMS/MS HIGH EXPLOSIVES	RE16-12-17678	0	<1	8/13/2012	3058-38-6	TATB	1.00E+00	mg/kg	U	N	ND	3.00E-01	1.00E+00
LCMS/MS HIGH EXPLOSIVES	RE16-12-17678	0	<1	8/13/2012	35572-78-2	Amino-4,6-dinitrotoluene[2-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	5.78E-07	mg/kg	U	N	ND	1.71E-06	5.10E-06
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	5.14E-07	mg/kg	U	N	ND	1.71E-06	5.10E-06
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	N/A	Tetrachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	3.44E-07	
SVOC	RE16-12-17678	0	<1	8/13/2012	50-32-8	Benzo(a)pyrene	3.43E-02	mg/kg	U	N	ND	1.03E-02	3.43E-02
SVOC	RE16-12-17678	0	<1	8/13/2012	51-28-5	Dinitrophenol[2,4-]	6.87E-01	mg/kg	U	N	ND	1.03E-01	6.87E-01
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	4.28E-07	mg/kg	BJ	N	ND	3.44E-07	1.00E-06
SVOC	RE16-12-17678	0	<1	8/13/2012	53-70-3	Dibenz(a,h)anthracene	3.43E-02	mg/kg	U	N	ND	1.03E-02	3.43E-02
SVOC	RE16-12-17678	0	<1	8/13/2012	534-52-1	Dinitro-2-methylphenol[4,6-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
VOC	RE16-12-17678	0	<1	8/13/2012	541-73-1	Dichlorobenzene[1,3-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
SVOC	RE16-12-17678	0	<1	8/13/2012	541-73-1	Dichlorobenzene[1,3-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	5.14E-07	mg/kg	U	N	ND	1.71E-06	5.10E-06
VOC	RE16-12-17678	0	<1	8/13/2012	56-23-5	Carbon Tetrachloride	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
SVOC	RE16-12-17678	0	<1	8/13/2012	56-55-3	Benzo(a)anthracene	3.43E-02	mg/kg	U	N	ND	1.03E-02	3.43E-02
VOC	RE16-12-17678	0	<1	8/13/2012	563-58-6	Dichloropropene[1,1-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	5.14E-07	mg/kg	U	N	ND	1.71E-06	5.10E-06
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	5.14E-07	mg/kg	U	N	ND	1.71E-06	5.10E-06
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	5.14E-07	mg/kg	U	N	ND	1.71E-06	5.10E-06
SVOC	RE16-12-17678	0	<1	8/13/2012	59-50-7	Chloro-3-methylphenol[4-]	3.43E-01	mg/kg	U	N	ND	1.37E-01	3.43E-01
VOC	RE16-12-17678	0	<1	8/13/2012	591-78-6	Hexanone[2-]	5.17E-03	mg/kg	U	N	ND	1.55E-03	5.17E-03
LCMS/MS HIGH EXPLOSIVES	RE16-12-17678	0	<1	8/13/2012	59229-75-3	2,6-Diamino-4-nitrotoluene	2.00E+00	mg/kg	UQ	N	ND	6.60E-01	2.00E+00
VOC	RE16-12-17678	0	<1	8/13/2012	594-20-7	Dichloropropane[2,2-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
SVOC	RE16-12-17678	0	<1	8/13/2012	606-20-2	Dinitrotoluene[2,6-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
LCMS/MS HIGH EXPLOSIVES	RE16-12-17678	0	<1	8/13/2012	606-20-2	Dinitrotoluene[2,6-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	5.14E-07	mg/kg	U	N	ND	1.71E-06	5.10E-06
LCMS/MS HIGH EXPLOSIVES	RE16-12-17678	0	<1	8/13/2012	618-87-1	3,5-Dinitroaniline	1.00E+00	mg/kg	U	N	ND	3.00E-01	1.00E+00
SVOC	RE16-12-17678	0	<1	8/13/2012	62-53-3	Aniline	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	62-75-9	Nitrosodimethylamine[N-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	621-64-7	Nitroso-di-n-propylamine[N-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
VOC	RE16-12-17678	0	<1	8/13/2012	630-20-6	Tetrachloroethane[1,1,1,2-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
SVOC	RE16-12-17678	0	<1	8/13/2012	65-85-0	Benzoic Acid	6.87E-01	mg/kg	U	N	ND	1.72E-01	6.87E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17678	0	<1	8/13/2012	6629-29-4	2,4-Diamino-6-nitrotoluene	2.00E+00	mg/kg	U	N	ND	5.00E-01	2.00E+00
VOC	RE16-12-17678	0	<1	8/13/2012	67-64-1	Acetone	5.17E-03	mg/kg	U	N	ND	1.55E-03	5.17E-03
VOC	RE16-12-17678	0	<1	8/13/2012	67-66-3	Chloroform	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
SVOC	RE16-12-17678	0	<1	8/13/2012	67-72-1	Hexachloroethane	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	7005-72-3	Chlorophenyl-phenyl[4-] Ether	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	5.14E-07	mg/kg	U	N	ND	1.71E-06	5.10E-06
VOC	RE16-12-17678	0	<1	8/13/2012	71-43-2	Benzene	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	71-55-6	Trichloroethane[1,1,1-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
DIOXINS FURANS	RE16-12-17678	0	<1	8/13/2012	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	5.14E-07	mg/kg	U	N	ND	1.71E-06	5.10E-06
VOC	RE16-12-17678	0	<1	8/13/2012	74-83-9	Bromomethane	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	74-87-3	Chloromethane	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	74-88-4	Iodomethane	5.17E-03	mg/kg	U	N	ND	1.55E-03	5.17E-03
VOC	RE16-12-17678	0	<1	8/13/2012	74-95-3	Dibromomethane	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	74-97-5	Bromochloromethane	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	75-00-3	Chloroethane	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	75-01-4	Vinyl Chloride	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	75-09-2	Methylene Chloride	5.17E-03	mg/kg	U	N	ND	2.07E-03	5.17E-03
VOC	RE16-12-17678	0	<1	8/13/2012	75-15-0	Carbon Disulfide	5.17E-03	mg/kg	U	N	ND	1.55E-03	5.17E-03
VOC	RE16-12-17678	0	<1	8/13/2012	75-25-2	Bromoform	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	75-27-4	Bromodichloromethane	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	75-34-3	Dichloroethane[1,1-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	75-35-4	Dichloroethene[1,1-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	75-69-4	Trichlorofluoromethane	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	75-71-8	Dichlorodifluoromethane	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5.17E-03	mg/kg	U	N	ND	1.55E-03	5.17E-03
SVOC	RE16-12-17678	0	<1	8/13/2012	77-47-4	Hexachlorocyclopentadiene	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17678	0	<1	8/13/2012	78-11-5	PETN	1.00E+00	mg/kg	U	N	ND	2.50E-01	1.00E+00
LCMS/MS HIGH EXPLOSIVES	RE16-12-17678	0	<1	8/13/2012	78-30-8	Tris (o-cresyl) phosphate	1.00E+00	mg/kg	U	N	ND	3.00E-01	1.00E+00
SVOC	RE16-12-17678	0	<1	8/13/2012	78-59-1	Isophorone	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
VOC	RE16-12-17678	0	<1	8/13/2012	78-87-5	Dichloropropane[1,2-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	78-93-3	Butanone[2-]	5.17E-03	mg/kg	U	N	ND	1.55E-03	5.17E-03
VOC	RE16-12-17678	0	<1	8/13/2012	79-00-5	Trichloroethane[1,1,2-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	79-01-6	Trichloroethene	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	79-34-5	Tetrachloroethane[1,1,2,2-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
SVOC	RE16-12-17678	0	<1	8/13/2012	83-32-9	Acenaphthene	3.43E-02	mg/kg	U	N	ND	1.03E-02	3.43E-02
SVOC	RE16-12-17678	0	<1	8/13/2012	84-66-2	Diethylphthalate	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	84-74-2	Di-n-butylphthalate	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	85-01-8	Phenanthrene	3.43E-02	mg/kg	U	N	ND	1.03E-02	3.43E-02
SVOC	RE16-12-17678	0	<1	8/13/2012	85-68-7	Butylbenzylphthalate	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	86-73-7	Fluorene	3.43E-02	mg/kg	U	N	ND	1.03E-02	3.43E-02
SVOC	RE16-12-17678	0	<1	8/13/2012	87-68-3	Hexachlorobutadiene	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	87-86-5	Pentachlorophenol	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	88-06-2	Trichlorophenol[2,4,6-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17678	0	<1	8/13/2012	88-72-2	Nitrotoluene[2-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	88-74-4	Nitroaniline[2-]	3.43E-01	mg/kg	U	N	ND	1.13E-01	3.43E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	88-75-5	Nitrophenol[2-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	RE16-12-17678	0	<1	8/13/2012	91-20-3	Naphthalene	3.43E-02	mg/kg	U	N	ND	1.03E-02	3.43E-02
SVOC	RE16-12-17678	0	<1	8/13/2012	91-57-6	Methylnaphthalene[2-]	3.43E-02	mg/kg	U	N	ND	1.03E-02	3.43E-02
SVOC	RE16-12-17678	0	<1	8/13/2012	91-58-7	Chloronaphthalene[2-]	3.43E-02	mg/kg	U	N	ND	1.03E-02	3.43E-02
SVOC	RE16-12-17678	0	<1	8/13/2012	91-94-1	Dichlorobenzidine[3,3'-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
VOC	RE16-12-17678	0	<1	8/13/2012	95-47-6	Xylene[1,2-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
SVOC	RE16-12-17678	0	<1	8/13/2012	95-48-7	Methylphenol[2-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
VOC	RE16-12-17678	0	<1	8/13/2012	95-49-8	Chlorotoluene[2-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	95-50-1	Dichlorobenzene[1,2-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
SVOC	RE16-12-17678	0	<1	8/13/2012	95-50-1	Dichlorobenzene[1,2-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	95-57-8	Chlorophenol[2-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
VOC	RE16-12-17678	0	<1	8/13/2012	95-63-6	Trimethylbenzene[1,2,4-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
SVOC	RE16-12-17678	0	<1	8/13/2012	95-95-4	Trichlorophenol[2,4,5-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
VOC	RE16-12-17678	0	<1	8/13/2012	96-12-8	Dibromo-3-Chloropropane[1,2-]	1.03E-03	mg/kg	U	N	ND	5.17E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	96-18-4	Trichloropropane[1,2,3-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	98-06-6	Butylbenzene[tert-]	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
VOC	RE16-12-17678	0	<1	8/13/2012	98-82-8	Isopropylbenzene	1.03E-03	mg/kg	U	N	ND	3.10E-04	1.03E-03
SVOC	RE16-12-17678	0	<1	8/13/2012	98-95-3	Nitrobenzene	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17678	0	<1	8/13/2012	98-95-3	Nitrobenzene	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17678	0	<1	8/13/2012	99-08-1	Nitrotoluene[3-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	RE16-12-17678	0	<1	8/13/2012	99-09-2	Nitroaniline[3-]	3.43E-01	mg/kg	U	N	ND	1.03E-01	3.43E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17678	0	<1	8/13/2012	99-35-4	Trinitrobenzene[1,3,5-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17678	0	<1	8/13/2012	99-65-0	Dinitrobenzene[1,3-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17678	0	<1	8/13/2012	99-99-0	Nitrotoluene[4-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
INORGANIC	RE16-12-17678	0	<1	8/13/2012	Cd	Cadmium	4.58E-01	mg/kg	U	N	ND	9.16E-02	4.58E-01
LCMS/MS PERCHLORATE	RE16-12-17678	0	<1	8/13/2012	ClO4	Perchlorate	2.06E-03	mg/kg	U	N	ND	5.15E-04	2.06E-03
INORGANIC	RE16-12-17678	0	<1	8/13/2012	Sb	Antimony	9.16E-01	mg/kg	U	N	ND	3.02E-01	9.16E-01
INORGANIC	RE16-12-17678	0	<1	8/13/2012	Se	Selenium	1.02E+00	mg/kg	U	N	ND	3.36E-01	1.02E+00
VOC	RE16-12-17678	0	<1	8/13/2012	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	2.07E-03	mg/kg	U	N	ND	3.10E-04	2.07E-03
LCMS/MS HIGH EXPLOSIVES	RE16-12-17678	0	<1	8/13/2012	118-96-7	Trinitrotoluene[2,4,6-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17678	0	<1	8/13/2012	479-45-8	Tetryl	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	117-81-7	Bis(2-ethylhexyl)phthalate	1.49E-01	mg/kg	J	Y	1.49E-01	1.49E-01	3.47E-01
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	4.17E-07	mg/kg	J	Y	4.17E-07	4.17E-07	1.00E-06
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.34E-06	mg/kg	J	Y	4.34E-06	4.34E-06	5.10E-06
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	N/A	Pentachlorodibenzofurans (Totals)	4.50E-06	mg/kg	J	Y	4.50E-06	4.50E-06	
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	N/A	Pentachlorodibenzodioxins (Total)	3.26E-06	mg/kg	J	Y	3.26E-06	3.26E-06	
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	1.61E-06	mg/kg	J	Y	1.61E-06	1.61E-06	5.10E-06
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	8.39E-07	mg/kg	JK	Y	8.39E-07	8.39E-07	5.10E-06
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	N/A	Tetrachlorodibenzodioxins (Total)	7.36E-07	mg/kg	J	Y	7.36E-07	7.36E-07	
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.50E-06	mg/kg	JK	Y	1.50E-06	1.50E-06	5.10E-06
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	6.50E-07	mg/kg	J	Y	6.50E-07	6.50E-07	5.10E-06
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	1.32E-06	mg/kg	J	Y	1.32E-06	1.32E-06	5.10E-06
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	3.69E-06	mg/kg	J	Y	3.69E-06	3.69E-06	5.10E-06
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.57E-06	mg/kg	J	Y	1.57E-06	1.57E-06	5.10E-06
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	9.85E-07	mg/kg	J	Y	9.85E-07	9.85E-07	5.10E-06
LCMS/MS PERCHLORATE	RE16-12-17679	0	<1	8/13/2012	ClO4	Perchlorate	6.23E-04	mg/kg	J	Y	6.23E-04	6.23E-04	2.08E-03
INORGANIC	RE16-12-17679	0	<1	8/13/2012	Hg	Mercury	1.13E-02	mg/kg	J	Y	1.13E-02	1.13E-02	1.25E-02
INORGANIC	RE16-12-17679	0	<1	8/13/2012	Tl	Thallium	8.59E-02	mg/kg	J	Y	8.59E-02	8.59E-02	4.04E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17679	0	<1	8/13/2012	121-82-4	RDX	5.50E-01	mg/kg		Y	5.50E-01	5.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17679	0	<1	8/13/2012	3058-38-6	TATB	1.88E+00	mg/kg		Y	1.88E+00	1.88E+00	1.00E+00
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	4.81E-04	mg/kg		Y	4.81E-04	4.81E-04	1.00E-05
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	N/A	Hexachlorodibenzodioxins (Total)	3.57E-05	mg/kg		Y	3.57E-05	3.57E-05	
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	8.02E-05	mg/kg		Y	8.02E-05	8.02E-05	5.10E-06
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	N/A	Heptachlorodibenzodioxins (Total)	1.49E-04	mg/kg		Y	1.49E-04	1.49E-04	
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	N/A	Heptachlorodibenzofurans (Total)	5.15E-05	mg/kg		Y	5.15E-05	5.15E-05	

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	4.94E-05	mg/kg		Y	4.94E-05	4.94E-05	1.00E-05
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	N/A	Hexachlorodibenzofurans (Total)	2.46E-05	mg/kg		Y	2.46E-05	2.46E-05	
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	N/A	Tetrachlorodibenzofurans (Totals)	3.62E-06	mg/kg		Y	3.62E-06	3.62E-06	
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	2.57E-05	mg/kg		Y	2.57E-05	2.57E-05	5.10E-06
INORGANIC	RE16-12-17679	0	<1	8/13/2012	Ag	Silver	4.56E+00	mg/kg		Y	4.56E+00	4.56E+00	5.06E-01
INORGANIC	RE16-12-17679	0	<1	8/13/2012	Al	Aluminum	6.83E+03	mg/kg		Y	6.83E+03	6.83E+03	2.02E+01
INORGANIC	RE16-12-17679	0	<1	8/13/2012	As	Arsenic	1.01E+00	mg/kg		Y	1.01E+00	1.01E+00	1.01E+00
INORGANIC	RE16-12-17679	0	<1	8/13/2012	Ba	Barium	1.45E+03	mg/kg		Y	1.45E+03	1.45E+03	5.06E-01
INORGANIC	RE16-12-17679	0	<1	8/13/2012	Be	Beryllium	6.70E-01	mg/kg		Y	6.70E-01	6.70E-01	1.01E-01
INORGANIC	RE16-12-17679	0	<1	8/13/2012	Ca	Calcium	1.52E+03	mg/kg	N	Y	1.52E+03	1.52E+03	2.53E+01
INORGANIC	RE16-12-17679	0	<1	8/13/2012	Co	Cobalt	3.40E+00	mg/kg		Y	3.40E+00	3.40E+00	5.06E-01
INORGANIC	RE16-12-17679	0	<1	8/13/2012	Cr	Chromium	7.69E+00	mg/kg		Y	7.69E+00	7.69E+00	5.06E-01
INORGANIC	RE16-12-17679	0	<1	8/13/2012	Cu	Copper	9.26E+00	mg/kg		Y	9.26E+00	9.26E+00	1.01E+00
INORGANIC	RE16-12-17679	0	<1	8/13/2012	Fe	Iron	1.29E+04	mg/kg		Y	1.29E+04	1.29E+04	2.53E+01
INORGANIC	RE16-12-17679	0	<1	8/13/2012	K	Potassium	1.26E+03	mg/kg	*	Y	1.26E+03	1.26E+03	2.53E+01
INORGANIC	RE16-12-17679	0	<1	8/13/2012	Mg	Magnesium	1.37E+03	mg/kg	*	Y	1.37E+03	1.37E+03	3.03E+01
INORGANIC	RE16-12-17679	0	<1	8/13/2012	Mn	Manganese	5.38E+02	mg/kg		Y	5.38E+02	5.38E+02	1.01E+00
INORGANIC	RE16-12-17679	0	<1	8/13/2012	Na	Sodium	1.01E+02	mg/kg		Y	1.01E+02	1.01E+02	2.53E+01
INORGANIC	RE16-12-17679	0	<1	8/13/2012	Ni	Nickel	3.67E+00	mg/kg	N*	Y	3.67E+00	3.67E+00	4.04E-01
INORGANIC	RE16-12-17679	0	<1	8/13/2012	Pb	Lead	1.11E+01	mg/kg		Y	1.11E+01	1.11E+01	1.01E+00
INORGANIC	RE16-12-17679	0	<1	8/13/2012	V	Vanadium	1.55E+01	mg/kg		Y	1.55E+01	1.55E+01	5.06E-01
INORGANIC	RE16-12-17679	0	<1	8/13/2012	Zn	Zinc	6.57E+01	mg/kg		Y	6.57E+01	6.57E+01	1.01E+00
SVOC	RE16-12-17679	0	<1	8/13/2012	100-01-6	Nitroaniline[4-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	100-02-7	Nitrophenol[4-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
VOC	RE16-12-17679	0	<1	8/13/2012	100-41-4	Ethylbenzene	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	100-42-5	Styrene	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
SVOC	RE16-12-17679	0	<1	8/13/2012	100-51-6	Benzyl Alcohol	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
VOC	RE16-12-17679	0	<1	8/13/2012	10061-01-5	Dichloropropene[cis-1,3-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	10061-02-6	Dichloropropene[trans-1,3-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
SVOC	RE16-12-17679	0	<1	8/13/2012	101-55-3	Bromophenyl-phenylether[4-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	103-33-3	Azobenzene	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
VOC	RE16-12-17679	0	<1	8/13/2012	103-65-1	Propylbenzene[1-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	104-51-8	Butylbenzene[n-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
SVOC	RE16-12-17679	0	<1	8/13/2012	105-67-9	Dimethylphenol[2,4-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
VOC	RE16-12-17679	0	<1	8/13/2012	106-43-4	Chlorotoluene[4-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
SVOC	RE16-12-17679	0	<1	8/13/2012	106-44-5	Methylphenol[4-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
VOC	RE16-12-17679	0	<1	8/13/2012	106-46-7	Dichlorobenzene[1,4-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
SVOC	RE16-12-17679	0	<1	8/13/2012	106-46-7	Dichlorobenzene[1,4-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	106-47-8	Chloroaniline[4-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
VOC	RE16-12-17679	0	<1	8/13/2012	106-93-4	Dibromoethane[1,2-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	107-06-2	Dichloroethane[1,2-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	108-10-1	Methyl-2-pentanone[4-]	5.22E-03	mg/kg	U	N	ND	1.57E-03	5.22E-03
SVOC	RE16-12-17679	0	<1	8/13/2012	108-60-1	Oxybis(1-chloropropane)[2,2'-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
VOC	RE16-12-17679	0	<1	8/13/2012	108-67-8	Trimethylbenzene[1,3,5-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	108-86-1	Bromobenzene	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	108-88-3	Toluene	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	108-90-7	Chlorobenzene	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
SVOC	RE16-12-17679	0	<1	8/13/2012	108-95-2	Phenol	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	110-86-1	Pyridine	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	111-44-4	Bis(2-chloroethyl)ether	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	111-91-1	Bis(2-chloroethoxy)methane	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	117-84-0	Di-n-octylphthalate	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	118-74-1	Hexachlorobenzene	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	120-12-7	Anthracene	3.47E-02	mg/kg	U	N	ND	1.04E-02	3.47E-02

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	RE16-12-17679	0	<1	8/13/2012	120-82-1	Trichlorobenzene[1,2,4-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	120-83-2	Dichlorophenol[2,4-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	121-14-2	Dinitrotoluene[2,4-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17679	0	<1	8/13/2012	121-14-2	Dinitrotoluene[2,4-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	122-39-4	Diphenylamine	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
VOC	RE16-12-17679	0	<1	8/13/2012	124-48-1	Chlorodibromomethane	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	127-18-4	Tetrachloroethene	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
SVOC	RE16-12-17679	0	<1	8/13/2012	129-00-0	Pyrene	3.47E-02	mg/kg	U	N	ND	1.04E-02	3.47E-02
SVOC	RE16-12-17679	0	<1	8/13/2012	131-11-3	Dimethyl Phthalate	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	132-64-9	Dibenzofuran	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
VOC	RE16-12-17679	0	<1	8/13/2012	135-98-8	Butylbenzene[sec-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	142-28-9	Dichloropropane[1,3-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	156-59-2	Dichloroethene[cis-1,2-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	156-60-5	Dichloroethene[trans-1,2-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
SVOC	RE16-12-17679	0	<1	8/13/2012	191-24-2	Benzo(g,h,i)perylene	3.47E-02	mg/kg	U	N	ND	1.04E-02	3.47E-02
SVOC	RE16-12-17679	0	<1	8/13/2012	193-39-5	Indeno(1,2,3-cd)pyrene	3.47E-02	mg/kg	U	N	ND	1.04E-02	3.47E-02
LCMS/MS HIGH EXPLOSIVES	RE16-12-17679	0	<1	8/13/2012	19406-51-0	Amino-2,6-dinitrotoluene[4-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	205-99-2	Benzo(b)fluoranthene	3.47E-02	mg/kg	U	N	ND	1.04E-02	3.47E-02
SVOC	RE16-12-17679	0	<1	8/13/2012	206-44-0	Fluoranthene	3.47E-02	mg/kg	U	N	ND	1.04E-02	3.47E-02
SVOC	RE16-12-17679	0	<1	8/13/2012	207-08-9	Benzo(k)fluoranthene	3.47E-02	mg/kg	U	N	ND	1.04E-02	3.47E-02
SVOC	RE16-12-17679	0	<1	8/13/2012	208-96-8	Acenaphthylene	3.47E-02	mg/kg	U	N	ND	1.04E-02	3.47E-02
SVOC	RE16-12-17679	0	<1	8/13/2012	218-01-9	Chrysene	3.47E-02	mg/kg	U	N	ND	1.04E-02	3.47E-02
LCMS/MS HIGH EXPLOSIVES	RE16-12-17679	0	<1	8/13/2012	2691-41-0	HMX	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17679	0	<1	8/13/2012	35572-78-2	Amino-4,6-dinitrotoluene[2-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	50-32-8	Benzo(a)pyrene	3.47E-02	mg/kg	U	N	ND	1.04E-02	3.47E-02
SVOC	RE16-12-17679	0	<1	8/13/2012	51-28-5	Dinitrophenol[2,4-]	6.93E-01	mg/kg	U	N	ND	1.04E-01	6.93E-01
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	5.26E-07	mg/kg	BJ	N	ND	3.43E-07	1.00E-06
SVOC	RE16-12-17679	0	<1	8/13/2012	53-70-3	Dibenz(a,h)anthracene	3.47E-02	mg/kg	U	N	ND	1.04E-02	3.47E-02
SVOC	RE16-12-17679	0	<1	8/13/2012	534-52-1	Dinitro-2-methylphenol[4,6-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
VOC	RE16-12-17679	0	<1	8/13/2012	541-73-1	Dichlorobenzene[1,3-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
SVOC	RE16-12-17679	0	<1	8/13/2012	541-73-1	Dichlorobenzene[1,3-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
VOC	RE16-12-17679	0	<1	8/13/2012	56-23-5	Carbon Tetrachloride	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
SVOC	RE16-12-17679	0	<1	8/13/2012	56-55-3	Benzo(a)anthracene	3.47E-02	mg/kg	U	N	ND	1.04E-02	3.47E-02
VOC	RE16-12-17679	0	<1	8/13/2012	563-58-6	Dichloropropene[1,1-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	5.14E-07	mg/kg	U	N	ND	1.71E-06	5.10E-06
SVOC	RE16-12-17679	0	<1	8/13/2012	59-50-7	Chloro-3-methylphenol[4-]	3.47E-01	mg/kg	U	N	ND	1.39E-01	3.47E-01
VOC	RE16-12-17679	0	<1	8/13/2012	591-78-6	Hexanone[2-]	5.22E-03	mg/kg	U	N	ND	1.57E-03	5.22E-03
LCMS/MS HIGH EXPLOSIVES	RE16-12-17679	0	<1	8/13/2012	59229-75-3	2,6-Diamino-4-nitrotoluene	2.00E+00	mg/kg	UQ	N	ND	6.60E-01	2.00E+00
VOC	RE16-12-17679	0	<1	8/13/2012	594-20-7	Dichloropropane[2,2-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
SVOC	RE16-12-17679	0	<1	8/13/2012	606-20-2	Dinitrotoluene[2,6-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17679	0	<1	8/13/2012	606-20-2	Dinitrotoluene[2,6-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17679	0	<1	8/13/2012	618-87-1	3,5-Dinitroaniline	1.00E+00	mg/kg	U	N	ND	3.00E-01	1.00E+00
SVOC	RE16-12-17679	0	<1	8/13/2012	62-53-3	Aniline	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	62-75-9	Nitrosodimethylamine[N-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	621-64-7	Nitroso-di-n-propylamine[N-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
VOC	RE16-12-17679	0	<1	8/13/2012	630-20-6	Tetrachloroethane[1,1,1,2-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
SVOC	RE16-12-17679	0	<1	8/13/2012	65-85-0	Benzoic Acid	6.93E-01	mg/kg	U	N	ND	1.73E-01	6.93E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17679	0	<1	8/13/2012	6629-29-4	2,4-Diamino-6-nitrotoluene	2.00E+00	mg/kg	U	N	ND	5.00E-01	2.00E+00
VOC	RE16-12-17679	0	<1	8/13/2012	67-64-1	Acetone	5.22E-03	mg/kg	U	N	ND	1.57E-03	5.22E-03
VOC	RE16-12-17679	0	<1	8/13/2012	67-66-3	Chloroform	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
SVOC	RE16-12-17679	0	<1	8/13/2012	67-72-1	Hexachloroethane	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	7005-72-3	Chlorophenyl-phenyl[4-] Ether	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
VOC	RE16-12-17679	0	<1	8/13/2012	71-43-2	Benzene	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	71-55-6	Trichloroethane[1,1,1-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
DIOXINS FURANS	RE16-12-17679	0	<1	8/13/2012	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	5.14E-07	mg/kg	U	N	ND	1.71E-06	5.10E-06
VOC	RE16-12-17679	0	<1	8/13/2012	74-83-9	Bromomethane	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	74-87-3	Chloromethane	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	74-88-4	Iodomethane	5.22E-03	mg/kg	U	N	ND	1.57E-03	5.22E-03
VOC	RE16-12-17679	0	<1	8/13/2012	74-95-3	Dibromomethane	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	74-97-5	Bromochloromethane	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	75-00-3	Chloroethane	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	75-01-4	Vinyl Chloride	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	75-09-2	Methylene Chloride	5.22E-03	mg/kg	U	N	ND	2.09E-03	5.22E-03
VOC	RE16-12-17679	0	<1	8/13/2012	75-15-0	Carbon Disulfide	5.22E-03	mg/kg	U	N	ND	1.57E-03	5.22E-03
VOC	RE16-12-17679	0	<1	8/13/2012	75-25-2	Bromoform	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	75-27-4	Bromodichloromethane	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	75-34-3	Dichloroethane[1,1-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	75-35-4	Dichloroethene[1,1-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	75-69-4	Trichlorofluoromethane	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	75-71-8	Dichlorodifluoromethane	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5.22E-03	mg/kg	U	N	ND	1.57E-03	5.22E-03
SVOC	RE16-12-17679	0	<1	8/13/2012	77-47-4	Hexachlorocyclopentadiene	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17679	0	<1	8/13/2012	78-11-5	PETN	1.00E+00	mg/kg	U	N	ND	2.50E-01	1.00E+00
LCMS/MS HIGH EXPLOSIVES	RE16-12-17679	0	<1	8/13/2012	78-30-8	Tris (o-cresyl) phosphate	1.00E+00	mg/kg	U	N	ND	3.00E-01	1.00E+00
SVOC	RE16-12-17679	0	<1	8/13/2012	78-59-1	Isophorone	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
VOC	RE16-12-17679	0	<1	8/13/2012	78-87-5	Dichloropropane[1,2-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	78-93-3	Butanone[2-]	5.22E-03	mg/kg	U	N	ND	1.57E-03	5.22E-03
VOC	RE16-12-17679	0	<1	8/13/2012	79-00-5	Trichloroethane[1,1,2-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	79-01-6	Trichloroethene	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	79-34-5	Tetrachloroethane[1,1,2,2-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
SVOC	RE16-12-17679	0	<1	8/13/2012	83-32-9	Acenaphthene	3.47E-02	mg/kg	U	N	ND	1.04E-02	3.47E-02
SVOC	RE16-12-17679	0	<1	8/13/2012	84-66-2	Diethylphthalate	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	84-74-2	Di-n-butylphthalate	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	85-01-8	Phenanthrene	3.47E-02	mg/kg	U	N	ND	1.04E-02	3.47E-02
SVOC	RE16-12-17679	0	<1	8/13/2012	85-68-7	Butylbenzylphthalate	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	86-73-7	Fluorene	3.47E-02	mg/kg	U	N	ND	1.04E-02	3.47E-02
SVOC	RE16-12-17679	0	<1	8/13/2012	87-68-3	Hexachlorobutadiene	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	87-86-5	Pentachlorophenol	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	88-06-2	Trichlorophenol[2,4,6-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17679	0	<1	8/13/2012	88-72-2	Nitrotoluene[2-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	88-74-4	Nitroaniline[2-]	3.47E-01	mg/kg	U	N	ND	1.14E-01	3.47E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	88-75-5	Nitrophenol[2-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	91-20-3	Naphthalene	3.47E-02	mg/kg	U	N	ND	1.04E-02	3.47E-02
SVOC	RE16-12-17679	0	<1	8/13/2012	91-57-6	Methylnaphthalene[2-]	3.47E-02	mg/kg	U	N	ND	1.04E-02	3.47E-02
SVOC	RE16-12-17679	0	<1	8/13/2012	91-58-7	Chloronaphthalene[2-]	3.47E-02	mg/kg	U	N	ND	1.04E-02	3.47E-02
SVOC	RE16-12-17679	0	<1	8/13/2012	91-94-1	Dichlorobenzidine[3,3'-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
VOC	RE16-12-17679	0	<1	8/13/2012	95-47-6	Xylene[1,2-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
SVOC	RE16-12-17679	0	<1	8/13/2012	95-48-7	Methylphenol[2-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
VOC	RE16-12-17679	0	<1	8/13/2012	95-49-8	Chlorotoluene[2-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	95-50-1	Dichlorobenzene[1,2-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
SVOC	RE16-12-17679	0	<1	8/13/2012	95-50-1	Dichlorobenzene[1,2-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	95-57-8	Chlorophenol[2-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
VOC	RE16-12-17679	0	<1	8/13/2012	95-63-6	Trimethylbenzene[1,2,4-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
SVOC	RE16-12-17679	0	<1	8/13/2012	95-95-4	Trichlorophenol[2,4,5-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
VOC	RE16-12-17679	0	<1	8/13/2012	96-12-8	Dibromo-3-Chloropropane[1,2-]	1.04E-03	mg/kg	U	N	ND	5.22E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	96-18-4	Trichloropropane[1,2,3-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	98-06-6	Butylbenzene[tert-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
VOC	RE16-12-17679	0	<1	8/13/2012	98-82-8	Isopropylbenzene	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	RE16-12-17679	0	<1	8/13/2012	98-95-3	Nitrobenzene	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17679	0	<1	8/13/2012	98-95-3	Nitrobenzene	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17679	0	<1	8/13/2012	99-08-1	Nitrotoluene[3-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	RE16-12-17679	0	<1	8/13/2012	99-09-2	Nitroaniline[3-]	3.47E-01	mg/kg	U	N	ND	1.04E-01	3.47E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17679	0	<1	8/13/2012	99-35-4	Trinitrobenzene[1,3,5-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17679	0	<1	8/13/2012	99-65-0	Dinitrobenzene[1,3-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
VOC	RE16-12-17679	0	<1	8/13/2012	99-87-6	Isopropyltoluene[4-]	1.04E-03	mg/kg	U	N	ND	3.13E-04	1.04E-03
LCMS/MS HIGH EXPLOSIVES	RE16-12-17679	0	<1	8/13/2012	99-99-0	Nitrotoluene[4-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
INORGANIC	RE16-12-17679	0	<1	8/13/2012	Cd	Cadmium	5.06E-01	mg/kg	U	N	ND	1.01E-01	5.06E-01
INORGANIC	RE16-12-17679	0	<1	8/13/2012	Sb	Antimony	1.01E+00	mg/kg	U	N	ND	3.34E-01	1.01E+00
INORGANIC	RE16-12-17679	0	<1	8/13/2012	Se	Selenium	1.01E+00	mg/kg	U	N	ND	3.34E-01	1.01E+00
VOC	RE16-12-17679	0	<1	8/13/2012	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	2.09E-03	mg/kg	U	N	ND	3.13E-04	2.09E-03
LCMS/MS HIGH EXPLOSIVES	RE16-12-17679	0	<1	8/13/2012	118-96-7	Trinitrotoluene[2,4,6-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17679	0	<1	8/13/2012	479-45-8	Tetryl	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
DIOXINS FURANS	RE16-12-17680	0	<1	8/13/2012	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	3.00E-06	mg/kg	J	Y	3.00E-06	3.00E-06	5.10E-06
DIOXINS FURANS	RE16-12-17680	0	<1	8/13/2012	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	1.77E-06	mg/kg	J	Y	1.77E-06	1.77E-06	5.10E-06
DIOXINS FURANS	RE16-12-17680	0	<1	8/13/2012	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	2.88E-06	mg/kg	J	Y	2.88E-06	2.88E-06	5.10E-06
INORGANIC	RE16-12-17680	0	<1	8/13/2012	Ag	Silver	4.38E-01	mg/kg	J	Y	4.38E-01	4.38E-01	5.24E-01
LCMS/MS PERCHLORATE	RE16-12-17680	0	<1	8/13/2012	ClO4	Perchlorate	5.94E-04	mg/kg	J	Y	5.94E-04	5.94E-04	2.10E-03
INORGANIC	RE16-12-17680	0	<1	8/13/2012	Tl	Thallium	1.75E-01	mg/kg	J	Y	1.75E-01	1.75E-01	3.89E-01
DIOXINS FURANS	RE16-12-17680	0	<1	8/13/2012	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	1.49E-06	mg/kg		Y	1.49E-06	1.49E-06	1.00E-06
DIOXINS FURANS	RE16-12-17680	0	<1	8/13/2012	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	8.71E-05	mg/kg		Y	8.71E-05	8.71E-05	5.10E-06
DIOXINS FURANS	RE16-12-17680	0	<1	8/13/2012	N/A	Pentachlorodibenzofurans (Totals)	7.97E-05	mg/kg		Y	7.97E-05	7.97E-05	
LCMS/MS HIGH EXPLOSIVES	RE16-12-17680	0	<1	8/13/2012	3058-38-6	TATB	4.55E+00	mg/kg		Y	4.55E+00	4.55E+00	1.00E+00
DIOXINS FURANS	RE16-12-17680	0	<1	8/13/2012	N/A	Hexachlorodibenzodioxins (Total)	5.38E-04	mg/kg		Y	5.38E-04	5.38E-04	
DIOXINS FURANS	RE16-12-17680	0	<1	8/13/2012	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.70E-03	mg/kg		Y	1.70E-03	1.70E-03	5.10E-06
DIOXINS FURANS	RE16-12-17680	0	<1	8/13/2012	N/A	Pentachlorodibenzodioxins (Total)	5.10E-05	mg/kg		Y	5.10E-05	5.10E-05	
DIOXINS FURANS	RE16-12-17680	0	<1	8/13/2012	N/A	Heptachlorodibenzofurans (Total)	1.27E-03	mg/kg		Y	1.27E-03	1.27E-03	
DIOXINS FURANS	RE16-12-17680	0	<1	8/13/2012	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.28E-03	mg/kg		Y	1.28E-03	1.28E-03	1.00E-05
DIOXINS FURANS	RE16-12-17680	0	<1	8/13/2012	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	3.08E-05	mg/kg		Y	3.08E-05	3.08E-05	5.10E-06
DIOXINS FURANS	RE16-12-17680	0	<1	8/13/2012	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	1.11E-05	mg/kg		Y	1.11E-05	1.11E-05	5.10E-06
DIOXINS FURANS	RE16-12-17680	0	<1	8/13/2012	N/A	Tetrachlorodibenzodioxins (Total)	5.16E-06	mg/kg		Y	5.16E-06	5.16E-06	
DIOXINS FURANS	RE16-12-17680	0	<1	8/13/2012	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	3.30E-05	mg/kg		Y	3.30E-05	3.30E-05	5.10E-06
DIOXINS FURANS	RE16-12-17680	0	<1	8/13/2012	N/A	Hexachlorodibenzofurans (Total)	5.03E-04	mg/kg		Y	5.03E-04	5.03E-04	
DIOXINS FURANS	RE16-12-17680	0	<1	8/13/2012	N/A	Tetrachlorodibenzofurans (Totals)	2.19E-05	mg/kg		Y	2.19E-05	2.19E-05	
DIOXINS FURANS	RE16-12-17680	0	<1	8/13/2012	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	2.23E-05	mg/kg		Y	2.23E-05	2.23E-05	5.10E-06
DIOXINS FURANS	RE16-12-17680	0	<1	8/13/2012	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	7.18E-05	mg/kg		Y	7.18E-05	7.18E-05	5.10E-06
DIOXINS FURANS	RE16-12-17680	0	<1	8/13/2012	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	2.66E-05	mg/kg		Y	2.66E-05	2.66E-05	5.10E-06
DIOXINS FURANS	RE16-12-17680	0	<1	8/13/2012	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	5.61E-04	mg/kg		Y	5.61E-04	5.61E-04	5.10E-06
DIOXINS FURANS	RE16-12-17680	0	<1	8/13/2012	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.69E-05	mg/kg		Y	1.69E-05	1.69E-05	5.10E-06
INORGANIC	RE16-12-17680	0	<1	8/13/2012	Al	Aluminum	1.00E+04	mg/kg		Y	1.00E+04	1.00E+04	2.10E+01
INORGANIC	RE16-12-17680	0	<1	8/13/2012	As	Arsenic	1.16E+00	mg/kg		Y	1.16E+00	1.16E+00	9.72E-01
INORGANIC	RE16-12-17680	0	<1	8/13/2012	Ba	Barium	5.43E+02	mg/kg		Y	5.43E+02	5.43E+02	5.24E-01
INORGANIC	RE16-12-17680	0	<1	8/13/2012	Be	Beryllium	1.06E+00	mg/kg		Y	1.06E+00	1.06E+00	9.72E-02
INORGANIC	RE16-12-17680	0	<1	8/13/2012	Ca	Calcium	1.87E+03	mg/kg	N	Y	1.87E+03	1.87E+03	2.62E+01
INORGANIC	RE16-12-17680	0	<1	8/13/2012	Co	Cobalt	2.64E+00	mg/kg		Y	2.64E+00	2.64E+00	5.24E-01
INORGANIC	RE16-12-17680	0	<1	8/13/2012	Cr	Chromium	6.90E+00	mg/kg		Y	6.90E+00	6.90E+00	5.24E-01
INORGANIC	RE16-12-17680	0	<1	8/13/2012	Cu	Copper	1.03E+01	mg/kg		Y	1.03E+01	1.03E+01	1.05E+00
INORGANIC	RE16-12-17680	0	<1	8/13/2012	Fe	Iron	9.23E+03	mg/kg		Y	9.23E+03	9.23E+03	2.62E+01
INORGANIC	RE16-12-17680	0	<1	8/13/2012	Hg	Mercury	1.60E-02	mg/kg		Y	1.60E-02	1.60E-02	1.21E-02
INORGANIC	RE16-12-17680	0	<1	8/13/2012	K	Potassium	1.28E+03	mg/kg	*	Y	1.28E+03	1.28E+03	2.62E+01
INORGANIC	RE16-12-17680	0	<1	8/13/2012	Mg	Magnesium	1.26E+03	mg/kg	*	Y	1.26E+03	1.26E+03	3.15E+01
INORGANIC	RE16-12-17680	0	<1	8/13/2012	Mn	Manganese	1.14E+02	mg/kg		Y	1.14E+02	1.14E+02	1.05E+00
INORGANIC	RE16-12-17680	0	<1	8/13/2012	Na	Sodium	8.68E+01	mg/kg		Y	8.68E+01	8.68E+01	2.62E+01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
INORGANIC	RE16-12-17680	0	<1	8/13/2012	Ni	Nickel	8.34E+00	mg/kg	N*	Y	8.34E+00	8.34E+00	3.89E-01
INORGANIC	RE16-12-17680	0	<1	8/13/2012	Pb	Lead	8.48E+00	mg/kg		Y	8.48E+00	8.48E+00	1.05E+00
INORGANIC	RE16-12-17680	0	<1	8/13/2012	V	Vanadium	1.68E+01	mg/kg		Y	1.68E+01	1.68E+01	5.24E-01
INORGANIC	RE16-12-17680	0	<1	8/13/2012	Zn	Zinc	2.64E+01	mg/kg		Y	2.64E+01	2.64E+01	1.05E+00
SVOC	RE16-12-17680	0	<1	8/13/2012	100-01-6	Nitroaniline[4-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	100-02-7	Nitrophenol[4-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
VOC	RE16-12-17680	0	<1	8/13/2012	100-41-4	Ethylbenzene	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	100-42-5	Styrene	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
SVOC	RE16-12-17680	0	<1	8/13/2012	100-51-6	Benzyl Alcohol	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
VOC	RE16-12-17680	0	<1	8/13/2012	10061-01-5	Dichloropropene[cis-1,3-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	10061-02-6	Dichloropropene[trans-1,3-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
SVOC	RE16-12-17680	0	<1	8/13/2012	101-55-3	Bromophenyl-phenylether[4-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	103-33-3	Azobenzene	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
VOC	RE16-12-17680	0	<1	8/13/2012	103-65-1	Propylbenzene[1-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	104-51-8	Butylbenzene[n-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
SVOC	RE16-12-17680	0	<1	8/13/2012	105-67-9	Dimethylphenol[2,4-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
VOC	RE16-12-17680	0	<1	8/13/2012	106-43-4	Chlorotoluene[4-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
SVOC	RE16-12-17680	0	<1	8/13/2012	106-44-5	Methylphenol[4-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
VOC	RE16-12-17680	0	<1	8/13/2012	106-46-7	Dichlorobenzene[1,4-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
SVOC	RE16-12-17680	0	<1	8/13/2012	106-46-7	Dichlorobenzene[1,4-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	106-47-8	Chloroaniline[4-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
VOC	RE16-12-17680	0	<1	8/13/2012	106-93-4	Dibromoethane[1,2-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	107-06-2	Dichloroethane[1,2-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	108-10-1	Methyl-2-pentanone[4-]	5.29E-03	mg/kg	U	N	ND	1.59E-03	5.29E-03
SVOC	RE16-12-17680	0	<1	8/13/2012	108-60-1	Oxybis(1-chloropropane)[2,2'-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
VOC	RE16-12-17680	0	<1	8/13/2012	108-67-8	Trimethylbenzene[1,3,5-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	108-86-1	Bromobenzene	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	108-88-3	Toluene	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	108-90-7	Chlorobenzene	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
SVOC	RE16-12-17680	0	<1	8/13/2012	108-95-2	Phenol	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	110-86-1	Pyridine	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	111-44-4	Bis(2-chloroethyl)ether	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	111-91-1	Bis(2-chloroethoxy)methane	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	117-81-7	Bis(2-ethylhexyl)phthalate	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	117-84-0	Di-n-octylphthalate	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	118-74-1	Hexachlorobenzene	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	120-12-7	Anthracene	3.52E-02	mg/kg	U	N	ND	1.06E-02	3.52E-02
SVOC	RE16-12-17680	0	<1	8/13/2012	120-82-1	Trichlorobenzene[1,2,4-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	120-83-2	Dichlorophenol[2,4-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	121-14-2	Dinitrotoluene[2,4-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17680	0	<1	8/13/2012	121-14-2	Dinitrotoluene[2,4-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17680	0	<1	8/13/2012	121-82-4	RDX	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	122-39-4	Diphenylamine	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
VOC	RE16-12-17680	0	<1	8/13/2012	124-48-1	Chlorodibromomethane	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	127-18-4	Tetrachloroethene	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
SVOC	RE16-12-17680	0	<1	8/13/2012	129-00-0	Pyrene	3.52E-02	mg/kg	U	N	ND	1.06E-02	3.52E-02
SVOC	RE16-12-17680	0	<1	8/13/2012	131-11-3	Dimethyl Phthalate	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	132-64-9	Dibenzofuran	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
VOC	RE16-12-17680	0	<1	8/13/2012	135-98-8	Butylbenzene[sec-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	142-28-9	Dichloropropane[1,3-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	156-59-2	Dichloroethene[cis-1,2-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	156-60-5	Dichloroethene[trans-1,2-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
SVOC	RE16-12-17680	0	<1	8/13/2012	191-24-2	Benzo(g,h,i)perylene	3.52E-02	mg/kg	U	N	ND	1.06E-02	3.52E-02
SVOC	RE16-12-17680	0	<1	8/13/2012	193-39-5	Indeno(1,2,3-cd)pyrene	3.52E-02	mg/kg	U	N	ND	1.06E-02	3.52E-02

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
LCMS/MS HIGH EXPLOSIVES	RE16-12-17680	0	<1	8/13/2012	19406-51-0	Amino-2,6-dinitrotoluene[4-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	205-99-2	Benzo(b)fluoranthene	3.52E-02	mg/kg	U	N	ND	1.06E-02	3.52E-02
SVOC	RE16-12-17680	0	<1	8/13/2012	206-44-0	Fluoranthene	3.52E-02	mg/kg	U	N	ND	1.06E-02	3.52E-02
SVOC	RE16-12-17680	0	<1	8/13/2012	207-08-9	Benzo(k)fluoranthene	3.52E-02	mg/kg	U	N	ND	1.06E-02	3.52E-02
SVOC	RE16-12-17680	0	<1	8/13/2012	208-96-8	Acenaphthylene	3.52E-02	mg/kg	U	N	ND	1.06E-02	3.52E-02
SVOC	RE16-12-17680	0	<1	8/13/2012	218-01-9	Chrysene	3.52E-02	mg/kg	U	N	ND	1.06E-02	3.52E-02
LCMS/MS HIGH EXPLOSIVES	RE16-12-17680	0	<1	8/13/2012	2691-41-0	HMX	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17680	0	<1	8/13/2012	35572-78-2	Amino-4,6-dinitrotoluene[2-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	50-32-8	Benzo(a)pyrene	3.52E-02	mg/kg	U	N	ND	1.06E-02	3.52E-02
SVOC	RE16-12-17680	0	<1	8/13/2012	51-28-5	Dinitrophenol[2,4-]	7.03E-01	mg/kg	U	N	ND	1.06E-01	7.03E-01
DIOXINS FURANS	RE16-12-17680	0	<1	8/13/2012	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	8.14E-07	mg/kg	BJ	N	ND	3.43E-07	1.00E-06
SVOC	RE16-12-17680	0	<1	8/13/2012	53-70-3	Dibenz(a,h)anthracene	3.52E-02	mg/kg	U	N	ND	1.06E-02	3.52E-02
SVOC	RE16-12-17680	0	<1	8/13/2012	534-52-1	Dinitro-2-methylphenol[4,6-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
VOC	RE16-12-17680	0	<1	8/13/2012	541-73-1	Dichlorobenzene[1,3-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
SVOC	RE16-12-17680	0	<1	8/13/2012	541-73-1	Dichlorobenzene[1,3-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
VOC	RE16-12-17680	0	<1	8/13/2012	56-23-5	Carbon Tetrachloride	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
SVOC	RE16-12-17680	0	<1	8/13/2012	56-55-3	Benzo(a)anthracene	3.52E-02	mg/kg	U	N	ND	1.06E-02	3.52E-02
VOC	RE16-12-17680	0	<1	8/13/2012	563-58-6	Dichloropropene[1,1-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
SVOC	RE16-12-17680	0	<1	8/13/2012	59-50-7	Chloro-3-methylphenol[4-]	3.52E-01	mg/kg	U	N	ND	1.41E-01	3.52E-01
VOC	RE16-12-17680	0	<1	8/13/2012	591-78-6	Hexanone[2-]	5.29E-03	mg/kg	U	N	ND	1.59E-03	5.29E-03
LCMS/MS HIGH EXPLOSIVES	RE16-12-17680	0	<1	8/13/2012	59229-75-3	2,6-Diamino-4-nitrotoluene	2.00E+00	mg/kg	UQ	N	ND	6.60E-01	2.00E+00
VOC	RE16-12-17680	0	<1	8/13/2012	594-20-7	Dichloropropane[2,2-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
SVOC	RE16-12-17680	0	<1	8/13/2012	606-20-2	Dinitrotoluene[2,6-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17680	0	<1	8/13/2012	606-20-2	Dinitrotoluene[2,6-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17680	0	<1	8/13/2012	618-87-1	3,5-Dinitroaniline	1.00E+00	mg/kg	U	N	ND	3.00E-01	1.00E+00
SVOC	RE16-12-17680	0	<1	8/13/2012	62-53-3	Aniline	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	62-75-9	Nitrosodimethylamine[N-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	621-64-7	Nitroso-di-n-propylamine[N-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
VOC	RE16-12-17680	0	<1	8/13/2012	630-20-6	Tetrachloroethane[1,1,1,2-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
SVOC	RE16-12-17680	0	<1	8/13/2012	65-85-0	Benzoic Acid	7.03E-01	mg/kg	U	N	ND	1.76E-01	7.03E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17680	0	<1	8/13/2012	6629-29-4	2,4-Diamino-6-nitrotoluene	2.00E+00	mg/kg	U	N	ND	5.00E-01	2.00E+00
VOC	RE16-12-17680	0	<1	8/13/2012	67-64-1	Acetone	5.29E-03	mg/kg	U	N	ND	1.59E-03	5.29E-03
VOC	RE16-12-17680	0	<1	8/13/2012	67-66-3	Chloroform	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
SVOC	RE16-12-17680	0	<1	8/13/2012	67-72-1	Hexachloroethane	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	7005-72-3	Chlorophenyl-phenyl[4-] Ether	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
VOC	RE16-12-17680	0	<1	8/13/2012	71-43-2	Benzene	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	71-55-6	Trichloroethane[1,1,1-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	74-83-9	Bromomethane	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	74-87-3	Chloromethane	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	74-88-4	Iodomethane	5.29E-03	mg/kg	U	N	ND	1.59E-03	5.29E-03
VOC	RE16-12-17680	0	<1	8/13/2012	74-95-3	Dibromomethane	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	74-97-5	Bromochloromethane	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	75-00-3	Chloroethane	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	75-01-4	Vinyl Chloride	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	75-09-2	Methylene Chloride	5.29E-03	mg/kg	U	N	ND	2.11E-03	5.29E-03
VOC	RE16-12-17680	0	<1	8/13/2012	75-15-0	Carbon Disulfide	5.29E-03	mg/kg	U	N	ND	1.59E-03	5.29E-03
VOC	RE16-12-17680	0	<1	8/13/2012	75-25-2	Bromoform	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	75-27-4	Bromodichloromethane	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	75-34-3	Dichloroethane[1,1-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	75-35-4	Dichloroethene[1,1-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	75-69-4	Trichlorofluoromethane	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	75-71-8	Dichlorodifluoromethane	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	5.29E-03	mg/kg	U	N	ND	1.59E-03	5.29E-03
SVOC	RE16-12-17680	0	<1	8/13/2012	77-47-4	Hexachlorocyclopentadiene	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
LCMS/MS HIGH EXPLOSIVES	RE16-12-17680	0	<1	8/13/2012	78-11-5	PETN	1.00E+00	mg/kg	U	N	ND	2.50E-01	1.00E+00
LCMS/MS HIGH EXPLOSIVES	RE16-12-17680	0	<1	8/13/2012	78-30-8	Tris (o-cresyl) phosphate	1.00E+00	mg/kg	U	N	ND	3.00E-01	1.00E+00
SVOC	RE16-12-17680	0	<1	8/13/2012	78-59-1	Isophorone	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
VOC	RE16-12-17680	0	<1	8/13/2012	78-87-5	Dichloropropane[1,2-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	78-93-3	Butanone[2-]	5.29E-03	mg/kg	U	N	ND	1.59E-03	5.29E-03
VOC	RE16-12-17680	0	<1	8/13/2012	79-00-5	Trichloroethane[1,1,2-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	79-01-6	Trichloroethene	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	79-34-5	Tetrachloroethane[1,1,2,2-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
SVOC	RE16-12-17680	0	<1	8/13/2012	83-32-9	Acenaphthene	3.52E-02	mg/kg	U	N	ND	1.06E-02	3.52E-02
SVOC	RE16-12-17680	0	<1	8/13/2012	84-66-2	Diethylphthalate	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	84-74-2	Di-n-butylphthalate	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	85-01-8	Phenanthrene	3.52E-02	mg/kg	U	N	ND	1.06E-02	3.52E-02
SVOC	RE16-12-17680	0	<1	8/13/2012	85-68-7	Butylbenzylphthalate	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	86-73-7	Fluorene	3.52E-02	mg/kg	U	N	ND	1.06E-02	3.52E-02
SVOC	RE16-12-17680	0	<1	8/13/2012	87-68-3	Hexachlorobutadiene	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	87-86-5	Pentachlorophenol	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	88-06-2	Trichlorophenol[2,4,6-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17680	0	<1	8/13/2012	88-72-2	Nitrotoluene[2-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	88-74-4	Nitroaniline[2-]	3.52E-01	mg/kg	U	N	ND	1.16E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	88-75-5	Nitrophenol[2-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	91-20-3	Naphthalene	3.52E-02	mg/kg	U	N	ND	1.06E-02	3.52E-02
SVOC	RE16-12-17680	0	<1	8/13/2012	91-57-6	Methylnaphthalene[2-]	3.52E-02	mg/kg	U	N	ND	1.06E-02	3.52E-02
SVOC	RE16-12-17680	0	<1	8/13/2012	91-58-7	Chloronaphthalene[2-]	3.52E-02	mg/kg	U	N	ND	1.06E-02	3.52E-02
SVOC	RE16-12-17680	0	<1	8/13/2012	91-94-1	Dichlorobenzidine[3,3'-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
VOC	RE16-12-17680	0	<1	8/13/2012	95-47-6	Xylene[1,2-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
SVOC	RE16-12-17680	0	<1	8/13/2012	95-48-7	Methylphenol[2-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
VOC	RE16-12-17680	0	<1	8/13/2012	95-49-8	Chlorotoluene[2-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	95-50-1	Dichlorobenzene[1,2-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
SVOC	RE16-12-17680	0	<1	8/13/2012	95-50-1	Dichlorobenzene[1,2-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	95-57-8	Chlorophenol[2-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
VOC	RE16-12-17680	0	<1	8/13/2012	95-63-6	Trimethylbenzene[1,2,4-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
SVOC	RE16-12-17680	0	<1	8/13/2012	95-95-4	Trichlorophenol[2,4,5-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
VOC	RE16-12-17680	0	<1	8/13/2012	96-12-8	Dibromo-3-Chloropropane[1,2-]	1.06E-03	mg/kg	U	N	ND	5.29E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	96-18-4	Trichloropropane[1,2,3-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	98-06-6	Butylbenzene[tert-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
VOC	RE16-12-17680	0	<1	8/13/2012	98-82-8	Isopropylbenzene	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
SVOC	RE16-12-17680	0	<1	8/13/2012	98-95-3	Nitrobenzene	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17680	0	<1	8/13/2012	98-95-3	Nitrobenzene	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17680	0	<1	8/13/2012	99-08-1	Nitrotoluene[3-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	RE16-12-17680	0	<1	8/13/2012	99-09-2	Nitroaniline[3-]	3.52E-01	mg/kg	U	N	ND	1.06E-01	3.52E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17680	0	<1	8/13/2012	99-35-4	Trinitrobenzene[1,3,5-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17680	0	<1	8/13/2012	99-65-0	Dinitrobenzene[1,3-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
VOC	RE16-12-17680	0	<1	8/13/2012	99-87-6	Isopropyltoluene[4-]	1.06E-03	mg/kg	U	N	ND	3.17E-04	1.06E-03
LCMS/MS HIGH EXPLOSIVES	RE16-12-17680	0	<1	8/13/2012	99-99-0	Nitrotoluene[4-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
INORGANIC	RE16-12-17680	0	<1	8/13/2012	Cd	Cadmium	5.24E-01	mg/kg	U	N	ND	1.05E-01	5.24E-01
INORGANIC	RE16-12-17680	0	<1	8/13/2012	Sb	Antimony	1.05E+00	mg/kg	U	N	ND	3.46E-01	1.05E+00
INORGANIC	RE16-12-17680	0	<1	8/13/2012	Se	Selenium	9.72E-01	mg/kg	U	N	ND	3.21E-01	9.72E-01
VOC	RE16-12-17680	0	<1	8/13/2012	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	2.11E-03	mg/kg	U	N	ND	3.17E-04	2.11E-03
LCMS/MS HIGH EXPLOSIVES	RE16-12-17680	0	<1	8/13/2012	118-96-7	Trinitrotoluene[2,4,6-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	RE16-12-17680	0	<1	8/13/2012	479-45-8	Tetryl	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
PFAS	SFB-23-295629	0	0.5	08/16/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.59E-01	ng/g	U	N	ND	1.59E-04	0.455
PFAS	SFB-23-295629	0	0.5	08/16/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.72E-01	ng/g	U	N	ND	3.72E-04	0.928
PFAS	SFB-23-295629	0	0.5	08/16/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	3.19E-01	ng/g	U	N	ND	3.19E-04	0.928
PFAS	SFB-23-295629	0	0.5	08/16/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	3.86E-01	ng/g	U	N	ND	3.86E-04	0.908

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
PFAS	SFB-23-295629	0	0.5	08/16/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.30E+00	ng/g	U	N	ND	1.30E-03	3.62
LCMS/MS HIGH EXPLOSIVES	SFB-23-295629	0	0.5	08/16/2023	6629-29-4	2,4-Diamino-6-nitrotoluene	4.95E-01	mg/kg	U	N	ND	4.95E-01	1.98E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295629	0	0.5	08/16/2023	59229-75-3	2,6-Diamino-4-nitrotoluene	6.53E-01	mg/kg	U	N	ND	6.53E-01	1.98E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295629	0	0.5	08/16/2023	618-87-1	3,5-Dinitroaniline	2.97E-01	mg/kg	U	N	ND	2.97E-01	9.90E-01
PFAS	SFB-23-295629	0	0.5	08/16/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.19E-01	ng/g	U	N	ND	3.19E-04	0.966
PFAS	SFB-23-295629	0	0.5	08/16/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.19E-01	ng/g	U	N	ND	3.19E-04	0.966
PFAS	SFB-23-295629	0	0.5	08/16/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.19E-01	ng/g	U	N	ND	3.19E-04	0.966
PFAS	SFB-23-295629	0	0.5	08/16/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.483
PFAS	SFB-23-295629	0	0.5	08/16/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.59E-01	ng/g	U	N	ND	1.59E-04	0.450
SVOC	SFB-23-295629	0	0.5	08/16/2023	83-32-9	Acenaphthene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295629	0	0.5	08/16/2023	208-96-8	Acenaphthylene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
VOC	SFB-23-295629	0	0.5	08/16/2023	67-64-1	Acetone	3.09E-03	mg/kg	J	N	ND	1.64E-03	4.91E-03
INORGANIC	SFB-23-295629	0	0.5	08/16/2023	Al	Aluminum	2.04E+03	mg/kg		Y	2.04E+03	2.04E+03	1.73E+01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295629	0	0.5	08/16/2023	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295629	0	0.5	08/16/2023	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	62-53-3	Aniline	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	120-12-7	Anthracene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
INORGANIC	SFB-23-295629	0	0.5	08/16/2023	Sb	Antimony	2.85E-01	mg/kg	U	N	ND	2.85E-01	1.73E+00
INORGANIC	SFB-23-295629	0	0.5	08/16/2023	As	Arsenic	1.32E+00	mg/kg		Y	1.32E+00	1.32E+00	8.90E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	103-33-3	Azobenzene	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
INORGANIC	SFB-23-295629	0	0.5	08/16/2023	Ba	Barium	3.56E+02	mg/kg		Y	3.56E+02	3.56E+02	4.33E-01
VOC	SFB-23-295629	0	0.5	08/16/2023	71-43-2	Benzene	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
SVOC	SFB-23-295629	0	0.5	08/16/2023	56-55-3	Benzo(a)anthracene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295629	0	0.5	08/16/2023	50-32-8	Benzo(a)pyrene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295629	0	0.5	08/16/2023	205-99-2	Benzo(b)fluoranthene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295629	0	0.5	08/16/2023	191-24-2	Benzo(g,h,i)perylene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295629	0	0.5	08/16/2023	207-08-9	Benzo(k)fluoranthene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295629	0	0.5	08/16/2023	65-85-0	Benzoic Acid	5.38E-01	mg/kg	J	Y	5.38E-01	5.38E-01	6.61E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	100-51-6	Benzyl Alcohol	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
INORGANIC	SFB-23-295629	0	0.5	08/16/2023	Be	Beryllium	3.13E-01	mg/kg		Y	3.13E-01	3.13E-01	8.90E-02
SVOC	SFB-23-295629	0	0.5	08/16/2023	111-91-1	Bis(2-chloroethoxy)methane	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	111-44-4	Bis(2-chloroethyl)ether	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	117-81-7	Bis(2-ethylhexyl)phthalate	2.08E-02	mg/kg	J	Y	2.08E-02	2.08E-02	3.31E-02
VOC	SFB-23-295629	0	0.5	08/16/2023	108-86-1	Bromobenzene	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	74-97-5	Bromochloromethane	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	75-27-4	Bromodichloromethane	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	75-25-2	Bromoform	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	74-83-9	Bromomethane	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
SVOC	SFB-23-295629	0	0.5	08/16/2023	101-55-3	Bromophenyl-phenylether[4-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
VOC	SFB-23-295629	0	0.5	08/16/2023	78-93-3	Butanone[2-]	1.64E-03	mg/kg	U	N	ND	1.64E-03	4.91E-03
VOC	SFB-23-295629	0	0.5	08/16/2023	104-51-8	Butylbenzene[n-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	135-98-8	Butylbenzene[sec-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	98-06-6	Butylbenzene[tert-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
SVOC	SFB-23-295629	0	0.5	08/16/2023	85-68-7	Butylbenzylphthalate	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
INORGANIC	SFB-23-295629	0	0.5	08/16/2023	Cd	Cadmium	8.65E-02	mg/kg	U	N	ND	8.65E-02	4.33E-01
INORGANIC	SFB-23-295629	0	0.5	08/16/2023	Ca	Calcium	9.32E+02	mg/kg	N	Y	9.32E+02	9.32E+02	2.16E+01
VOC	SFB-23-295629	0	0.5	08/16/2023	75-15-0	Carbon Disulfide	1.64E-03	mg/kg	U	N	ND	1.64E-03	4.91E-03
VOC	SFB-23-295629	0	0.5	08/16/2023	56-23-5	Carbon Tetrachloride	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
SVOC	SFB-23-295629	0	0.5	08/16/2023	59-50-7	Chloro-3-methylphenol[4-]	1.32E-01	mg/kg	U	N	ND	1.32E-01	3.31E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	106-47-8	Chloroaniline[4-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
VOC	SFB-23-295629	0	0.5	08/16/2023	108-90-7	Chlorobenzene	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	124-48-1	Chlorodibromomethane	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	75-00-3	Chloroethane	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	67-66-3	Chloroform	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295629	0	0.5	08/16/2023	74-87-3	Chloromethane	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
SVOC	SFB-23-295629	0	0.5	08/16/2023	91-58-7	Chloronaphthalene[2-]	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295629	0	0.5	08/16/2023	95-57-8	Chlorophenol[2-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	7005-72-3	Chlorophenyl-phenyl[4-] Ether	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
VOC	SFB-23-295629	0	0.5	08/16/2023	95-49-8	Chlorotoluene[2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	106-43-4	Chlorotoluene[4-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
INORGANIC	SFB-23-295629	0	0.5	08/16/2023	Cr	Chromium	4.80E+00	mg/kg	*	Y	4.80E+00	4.80E+00	8.65E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	218-01-9	Chrysene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
INORGANIC	SFB-23-295629	0	0.5	08/16/2023	Co	Cobalt	1.87E+00	mg/kg		Y	1.87E+00	1.87E+00	4.33E-01
INORGANIC	SFB-23-295629	0	0.5	08/16/2023	Cu	Copper	7.75E+00	mg/kg		Y	7.75E+00	7.75E+00	1.73E+00
SVOC	SFB-23-295629	0	0.5	08/16/2023	53-70-3	Dibenz(a,h)anthracene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295629	0	0.5	08/16/2023	132-64-9	Dibenzofuran	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
VOC	SFB-23-295629	0	0.5	08/16/2023	96-12-8	Dibromo-3-Chloropropane[1,2-]	4.91E-04	mg/kg	U	N	ND	4.91E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	106-93-4	Dibromoethane[1,2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	74-95-3	Dibromomethane	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	95-50-1	Dichlorobenzene[1,2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
SVOC	SFB-23-295629	0	0.5	08/16/2023	95-50-1	Dichlorobenzene[1,2-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
VOC	SFB-23-295629	0	0.5	08/16/2023	541-73-1	Dichlorobenzene[1,3-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
SVOC	SFB-23-295629	0	0.5	08/16/2023	541-73-1	Dichlorobenzene[1,3-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
VOC	SFB-23-295629	0	0.5	08/16/2023	106-46-7	Dichlorobenzene[1,4-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
SVOC	SFB-23-295629	0	0.5	08/16/2023	106-46-7	Dichlorobenzene[1,4-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	91-94-1	Dichlorobenzidine[3,3'-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
VOC	SFB-23-295629	0	0.5	08/16/2023	75-71-8	Dichlorodifluoromethane	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	75-34-3	Dichloroethane[1,1-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	107-06-2	Dichloroethane[1,2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	75-35-4	Dichloroethene[1,1-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	156-59-2	Dichloroethene[cis-1,2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	156-60-5	Dichloroethene[trans-1,2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
SVOC	SFB-23-295629	0	0.5	08/16/2023	120-83-2	Dichlorophenol[2,4-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
VOC	SFB-23-295629	0	0.5	08/16/2023	78-87-5	Dichloropropane[1,2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	142-28-9	Dichloropropane[1,3-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	594-20-7	Dichloropropane[2,2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	563-58-6	Dichloropropene[1,1-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	10061-01-5	Dichloropropene[cis-1,3-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	10061-02-6	Dichloropropene[trans-1,3-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
SVOC	SFB-23-295629	0	0.5	08/16/2023	84-66-2	Diethylphthalate	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295629	0	0.5	08/16/2023	131-11-3	Dimethyl Phthalate	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295629	0	0.5	08/16/2023	105-67-9	Dimethylphenol[2,4-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	84-74-2	Di-n-butylphthalate	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295629	0	0.5	08/16/2023	534-52-1	Dinitro-2-methylphenol[4,6-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295629	0	0.5	08/16/2023	99-65-0	Dinitrobenzene[1,3-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	51-28-5	Dinitrophenol[2,4-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	6.61E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295629	0	0.5	08/16/2023	121-14-2	Dinitrotoluene[2,4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	121-14-2	Dinitrotoluene[2,4-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295629	0	0.5	08/16/2023	606-20-2	Dinitrotoluene[2,6-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	606-20-2	Dinitrotoluene[2,6-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	117-84-0	Di-n-octylphthalate	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295629	0	0.5	08/16/2023	122-39-4	Diphenylamine	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
PFAS	SFB-23-295629	0	0.5	08/16/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-	3.82E-01	ng/g	U	N	ND	3.82E-04	0.966
PFAS	SFB-23-295629	0	0.5	08/16/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.66E-01	ng/g	U	N	ND	2.66E-04	0.966
VOC	SFB-23-295629	0	0.5	08/16/2023	100-41-4	Ethylbenzene	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
PFAS	SFB-23-295629	0	0.5	08/16/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	3.96E-01	ng/g	U	N	ND	3.96E-04	0.966
SVOC	SFB-23-295629	0	0.5	08/16/2023	206-44-0	Fluoranthene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295629	0	0.5	08/16/2023	86-73-7	Fluorene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	3.75E-05	mg/kg		Y	3.75E-05	3.75E-05	4.98E-06
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	37871-00-4	Heptachlorodibenzodioxins (Total)	6.89E-05	mg/kg		Y	6.89E-05	6.89E-05	4.98E-06
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	1.70E-05	mg/kg		Y	1.70E-05	1.70E-05	4.98E-06
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.27E-06	mg/kg	J	Y	1.27E-06	1.27E-06	4.98E-06
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	38998-75-3	Heptachlorodibenzofurans (Total)	3.62E-05	mg/kg	J	Y	3.62E-05	3.62E-05	4.98E-06
SVOC	SFB-23-295629	0	0.5	08/16/2023	118-74-1	Hexachlorobenzene	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	87-68-3	Hexachlorobutadiene	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	77-47-4	Hexachlorocyclopentadiene	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	1.01E-06	mg/kg	J	Y	1.01E-06	1.01E-06	4.98E-06
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	1.47E-06	mg/kg	J	Y	1.47E-06	1.47E-06	4.98E-06
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.60E-06	mg/kg	JK	Y	1.60E-06	1.60E-06	4.98E-06
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	34465-46-8	Hexachlorodibenzodioxins (Total)	1.61E-05	mg/kg	J	Y	1.61E-05	1.61E-05	4.98E-06
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.97E-06	mg/kg	J	Y	1.97E-06	1.97E-06	4.98E-06
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	1.35E-06	mg/kg	J	Y	1.35E-06	1.35E-06	4.98E-06
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.98E-07	mg/kg	U	N	ND	1.39E-06	4.98E-06
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.69E-06	mg/kg	J	Y	1.69E-06	1.69E-06	4.98E-06
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	55684-94-1	Hexachlorodibenzofurans (Total)	2.00E-05	mg/kg	J	Y	2.00E-05	2.00E-05	4.98E-06
SVOC	SFB-23-295629	0	0.5	08/16/2023	67-72-1	Hexachloroethane	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
PFAS	SFB-23-295629	0	0.5	08/16/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.59E-01	ng/g	U	N	ND	1.59E-04	0.483
VOC	SFB-23-295629	0	0.5	08/16/2023	591-78-6	Hexanone[2-]	1.64E-03	mg/kg	U	N	ND	1.64E-03	4.91E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295629	0	0.5	08/16/2023	2691-41-0	HMX	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	193-39-5	Indeno(1,2,3-cd)pyrene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
VOC	SFB-23-295629	0	0.5	08/16/2023	74-88-4	Iodomethane	1.64E-03	mg/kg	U	N	ND	1.64E-03	4.91E-03
INORGANIC	SFB-23-295629	0	0.5	08/16/2023	Fe	Iron	7.87E+03	mg/kg		Y	7.87E+03	7.87E+03	2.16E+01
SVOC	SFB-23-295629	0	0.5	08/16/2023	78-59-1	Isophorone	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
VOC	SFB-23-295629	0	0.5	08/16/2023	98-82-8	Isopropylbenzene	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	99-87-6	Isopropyltoluene[4-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
INORGANIC	SFB-23-295629	0	0.5	08/16/2023	Pb	Lead	8.74E+00	mg/kg	*	Y	8.74E+00	8.74E+00	1.73E+00
INORGANIC	SFB-23-295629	0	0.5	08/16/2023	Mg	Magnesium	6.89E+02	mg/kg	N	Y	6.89E+02	6.89E+02	2.60E+01
INORGANIC	SFB-23-295629	0	0.5	08/16/2023	Mn	Manganese	2.21E+02	mg/kg		Y	2.21E+02	2.21E+02	8.65E-01
INORGANIC	SFB-23-295629	0	0.5	08/16/2023	Hg	Mercury	8.82E-03	mg/kg	J	Y	8.82E-03	8.82E-03	2.21E-02
PFAS	SFB-23-295629	0	0.5	08/16/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[N	3.77E-01	ng/g	U	N	ND	3.77E-04	0.966
PFAS	SFB-23-295629	0	0.5	08/16/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.19E-01	ng/g	U	N	ND	3.19E-04	0.966
VOC	SFB-23-295629	0	0.5	08/16/2023	108-10-1	Methyl-2-pentanone[4-]	1.64E-03	mg/kg	U	N	ND	1.64E-03	4.91E-03
VOC	SFB-23-295629	0	0.5	08/16/2023	75-09-2	Methylene Chloride	2.33E-03	mg/kg	J	N	ND	1.64E-03	4.91E-03
SVOC	SFB-23-295629	0	0.5	08/16/2023	91-57-6	Methylnaphthalene[2-]	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
PFAS	SFB-23-295629	0	0.5	08/16/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.20E-01	ng/g	U	N	ND	4.20E-04	0.966
SVOC	SFB-23-295629	0	0.5	08/16/2023	95-48-7	Methylphenol[2-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	65794-96-9	Methylphenol[3-,4-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	91-20-3	Naphthalene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
INORGANIC	SFB-23-295629	0	0.5	08/16/2023	Ni	Nickel	5.09E+00	mg/kg	N	Y	5.09E+00	5.09E+00	3.56E-01
GENERAL CHEMISTRY	SFB-23-295629	0	0.5	08/16/2023	NO3	Nitrate	1.91E+00	mg/kg		Y	1.91E+00	1.91E+00	9.78E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	88-74-4	Nitroaniline[2-]	1.09E-01	mg/kg	U	N	ND	1.09E-01	3.31E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	99-09-2	Nitroaniline[3-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	100-01-6	Nitroaniline[4-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295629	0	0.5	08/16/2023	98-95-3	Nitrobenzene	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	98-95-3	Nitrobenzene	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	88-75-5	Nitrophenol[2-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	100-02-7	Nitrophenol[4-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	62-75-9	Nitrosodimethylamine[N-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	621-64-7	Nitroso-di-n-propylamine[N-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295629	0	0.5	08/16/2023	88-72-2	Nitrotoluene[2-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295629	0	0.5	08/16/2023	99-08-1	Nitrotoluene[3-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295629	0	0.5	08/16/2023	99-99-0	Nitrotoluene[4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	2.45E-04	mg/kg		Y	2.45E-04	2.45E-04	9.96E-06
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	2.65E-05	mg/kg		Y	2.65E-05	2.65E-05	9.96E-06
SVOC	SFB-23-295629	0	0.5	08/16/2023	108-60-1	Oxybis(1-chloropropane)[2,2'-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	5.48E-07	mg/kg	J	Y	5.48E-07	5.48E-07	4.98E-06
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	36088-22-9	Pentachlorodibenzodioxins (Total)	6.61E-06	mg/kg	J	Y	6.61E-06	6.61E-06	4.98E-06
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	1.38E-06	mg/kg	J	Y	1.38E-06	1.38E-06	4.98E-06
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	1.27E-06	mg/kg	JK	Y	1.27E-06	1.27E-06	4.98E-06
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	30402-15-4	Pentachlorodibenzofurans (Totals)	1.38E-05	mg/kg	J	Y	1.38E-05	1.38E-05	4.98E-06
SVOC	SFB-23-295629	0	0.5	08/16/2023	87-86-5	Pentachlorophenol	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
LCMS/MS	SFB-23-295629	0	0.5	08/16/2023	ClO4	Perchlorate	2.47E-03	mg/kg		Y	2.47E-03	2.47E-03	1.94E-03
PFAS	SFB-23-295629	0	0.5	08/16/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.79E-01	ng/g	U	N	ND	1.79E-04	0.459
PFAS	SFB-23-295629	0	0.5	08/16/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.59E-01	ng/g	U	N	ND	1.59E-04	0.483
PFAS	SFB-23-295629	0	0.5	08/16/2023	375-73-5	Perfluorobutanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.430
PFAS	SFB-23-295629	0	0.5	08/16/2023	375-22-4	Perfluorobutanoic acid	1.93E-01	ng/g	U	N	ND	1.93E-04	0.483
PFAS	SFB-23-295629	0	0.5	08/16/2023	335-77-3	Perfluorodecane sulfonate	1.59E-01	ng/g	U	N	ND	1.59E-04	0.469
PFAS	SFB-23-295629	0	0.5	08/16/2023	335-76-2	Perfluorodecanoic acid	3.57E-01	ng/g	U	N	ND	3.57E-04	0.966
PFAS	SFB-23-295629	0	0.5	08/16/2023	79780-39-5	Perfluorododecanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.468
PFAS	SFB-23-295629	0	0.5	08/16/2023	307-55-1	Perfluorododecanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.483
PFAS	SFB-23-295629	0	0.5	08/16/2023	375-85-9	Perfluoroheptanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.483
PFAS	SFB-23-295629	0	0.5	08/16/2023	355-46-4	Perfluorohexanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.440
PFAS	SFB-23-295629	0	0.5	08/16/2023	307-24-4	Perfluorohexanoic acid	1.93E-01	ng/g	U	N	ND	1.93E-04	0.483
PFAS	SFB-23-295629	0	0.5	08/16/2023	68259-12-1	Perfluorononanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.464
PFAS	SFB-23-295629	0	0.5	08/16/2023	375-95-1	Perfluorononanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.483
PFAS	SFB-23-295629	0	0.5	08/16/2023	1763-23-1	Perfluorooctanesulfonic acid	1.93E-01	ng/g	U	N	ND	1.93E-04	0.483
PFAS	SFB-23-295629	0	0.5	08/16/2023	335-67-1	Perfluorooctanoic acid	1.93E-01	ng/g	U	N	ND	1.93E-04	0.483
PFAS	SFB-23-295629	0	0.5	08/16/2023	2706-91-4	Perfluoropentanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.454
PFAS	SFB-23-295629	0	0.5	08/16/2023	2706-90-3	Perfluoropentanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.483
PFAS	SFB-23-295629	0	0.5	08/16/2023	376-06-7	Perfluorotetradecanoic acid	1.93E-01	ng/g	U	N	ND	1.93E-04	0.483
PFAS	SFB-23-295629	0	0.5	08/16/2023	72629-94-8	Perfluorotridecanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.483
PFAS	SFB-23-295629	0	0.5	08/16/2023	2058-94-8	Perfluoroundecanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.483
LCMS/MS HIGH EXPLOSIVES	SFB-23-295629	0	0.5	08/16/2023	78-11-5	PETN	2.48E-01	mg/kg	U	N	ND	2.48E-01	9.90E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	85-01-8	Phenanthrene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295629	0	0.5	08/16/2023	108-95-2	Phenol	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
INORGANIC	SFB-23-295629	0	0.5	08/16/2023	K	Potassium	4.46E+02	mg/kg	N	Y	4.46E+02	4.46E+02	2.16E+01
VOC	SFB-23-295629	0	0.5	08/16/2023	103-65-1	Propylbenzene[1-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
SVOC	SFB-23-295629	0	0.5	08/16/2023	129-00-0	Pyrene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295629	0	0.5	08/16/2023	110-86-1	Pyridine	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295629	0	0.5	08/16/2023	121-82-4	RDX	2.36E-01	mg/kg	J	Y	2.36E-01	2.36E-01	4.95E-01
INORGANIC	SFB-23-295629	0	0.5	08/16/2023	Se	Selenium	6.59E-01	mg/kg	JN	Y	6.59E-01	6.59E-01	8.90E-01
INORGANIC	SFB-23-295629	0	0.5	08/16/2023	Ag	Silver	3.32E-01	mg/kg	J	Y	3.32E-01	3.32E-01	4.33E-01
INORGANIC	SFB-23-295629	0	0.5	08/16/2023	Na	Sodium	6.65E+01	mg/kg		Y	6.65E+01	6.65E+01	2.16E+01
VOC	SFB-23-295629	0	0.5	08/16/2023	100-42-5	Styrene	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295629	0	0.5	08/16/2023	3058-38-6	TATB	3.54E-01	mg/kg	J	Y	3.54E-01	3.54E-01	9.90E-01
GENERAL CHEMISTRY	SFB-23-295629	0	0.5	08/16/2023	TEMP	Temperature	4.10E+00	deg C		Y		0.00E+00	
GENERAL CHEMISTRY	SFB-23-295629	0	0.5	08/16/2023	TEMP	Temperature	6.00E+00	deg C		Y		0.00E+00	
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	2.05E-07	mg/kg	U	N	ND	2.65E-07	9.96E-07
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	41903-57-5	Tetrachlorodibenzodioxins (Total)	3.91E-06	mg/kg		Y	3.91E-06	3.91E-06	9.96E-07
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	1.62E-06	mg/kg	B	N	ND	4.00E-07	9.96E-07
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	1.48E-06	mg/kg	BK	N	ND	3.67E-07	9.96E-07
HRGC/HRMS	SFB-23-295629	0	0.5	08/16/2023	55722-27-5	Tetrachlorodibenzofurans (Totals)	1.88E-05	mg/kg	J	Y	1.88E-05	1.88E-05	9.96E-07
VOC	SFB-23-295629	0	0.5	08/16/2023	630-20-6	Tetrachloroethane[1,1,1,2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	79-34-5	Tetrachloroethane[1,1,2,2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	127-18-4	Tetrachloroethene	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295629	0	0.5	08/16/2023	479-45-8	Tetryl	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
INORGANIC	SFB-23-295629	0	0.5	08/16/2023	Tl	Thallium	1.25E-01	mg/kg	U	N	ND	1.25E-01	3.56E-01
VOC	SFB-23-295629	0	0.5	08/16/2023	108-88-3	Toluene	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
TPH	SFB-23-295629	0	0.5	08/16/2023	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	2.15E+01	mg/kg	U	N	ND	2.15E+01	6.62E+01
TPH	SFB-23-295629	0	0.5	08/16/2023	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	1.67E+00	mg/kg	U	N	ND	1.67E+00	1.00E+01
PFAS	SFB-23-295629	0	0.5	08/16/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295629	0	0.5	08/16/2023	PFAS-Tot-37a	Total PFAS 37a	0.00E+00	ng/g	U	N	ND	1.59E-04	4.30E-01
PFAS	SFB-23-295629	0	0.5	08/16/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
VOC	SFB-23-295629	0	0.5	08/16/2023	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.64E-03	mg/kg	U	N	ND	1.64E-03	4.91E-03
SVOC	SFB-23-295629	0	0.5	08/16/2023	120-82-1	Trichlorobenzene[1,2,4-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
VOC	SFB-23-295629	0	0.5	08/16/2023	71-55-6	Trichloroethane[1,1,1-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	79-00-5	Trichloroethane[1,1,2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	79-01-6	Trichloroethene	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	75-69-4	Trichlorofluoromethane	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
SVOC	SFB-23-295629	0	0.5	08/16/2023	95-95-4	Trichlorophenol[2,4,5-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295629	0	0.5	08/16/2023	88-06-2	Trichlorophenol[2,4,6-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
VOC	SFB-23-295629	0	0.5	08/16/2023	96-18-4	Trichloropropane[1,2,3-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	95-63-6	Trimethylbenzene[1,2,4-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	108-67-8	Trimethylbenzene[1,3,5-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295629	0	0.5	08/16/2023	99-35-4	Trinitrobenzene[1,3,5-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295629	0	0.5	08/16/2023	118-96-7	Trinitrotoluene[2,4,6-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295629	0	0.5	08/16/2023	78-30-8	Tris (o-cresyl) phosphate	2.97E-01	mg/kg	U	N	ND	2.97E-01	9.90E-01
INORGANIC	SFB-23-295629	0	0.5	08/16/2023	V	Vanadium	1.04E+01	mg/kg		Y	1.04E+01	1.04E+01	4.33E-01
VOC	SFB-23-295629	0	0.5	08/16/2023	75-01-4	Vinyl Chloride	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	95-47-6	Xylene[1,2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295629	0	0.5	08/16/2023	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.55E-04	mg/kg	U	N	ND	6.55E-04	1.96E-03
INORGANIC	SFB-23-295629	0	0.5	08/16/2023	Zn	Zinc	4.30E+01	mg/kg		Y	4.30E+01	4.30E+01	1.73E+00
PFAS	SFB-23-295630	0	0.5	10/26/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.63E-01	ng/g	U	N	ND	1.63E-04	0.466
PFAS	SFB-23-295630	0	0.5	10/26/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.81E-01	ng/g	U	N	ND	3.81E-04	0.950
PFAS	SFB-23-295630	0	0.5	10/26/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	3.27E-01	ng/g	U	N	ND	3.27E-04	0.950
PFAS	SFB-23-295630	0	0.5	10/26/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	1.98E+00	ng/g	U	N	ND	1.98E-03	4.65
PFAS	SFB-23-295630	0	0.5	10/26/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	6.66E+00	ng/g	U	N	ND	6.66E-03	18.6
LCMS/MS HIGH EXPLOSIVES	SFB-23-295630	0	0.5	10/26/2023	6629-29-4	2,4-Diamino-6-nitrotoluene	4.78E-01	mg/kg	U	N	ND	4.78E-01	1.91E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295630	0	0.5	10/26/2023	59229-75-3	2,6-Diamino-4-nitrotoluene	6.32E-01	mg/kg	U	N	ND	6.32E-01	1.91E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295630	0	0.5	10/26/2023	618-87-1	3,5-Dinitroaniline	2.87E-01	mg/kg	U	N	ND	2.87E-01	9.57E-01
PFAS	SFB-23-295630	0	0.5	10/26/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.27E-01	ng/g	U	N	ND	3.27E-04	0.990
PFAS	SFB-23-295630	0	0.5	10/26/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.27E-01	ng/g	U	N	ND	3.27E-04	0.990
PFAS	SFB-23-295630	0	0.5	10/26/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.27E-01	ng/g	U	N	ND	3.27E-04	0.990
PFAS	SFB-23-295630	0	0.5	10/26/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
PFAS	SFB-23-295630	0	0.5	10/26/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.63E-01	ng/g	U	N	ND	1.63E-04	0.461
SVOC	SFB-23-295630	0	0.5	10/26/2023	83-32-9	Acenaphthene	9.85E-03	mg/kg	U	N	ND	9.85E-03	3.28E-02
SVOC	SFB-23-295630	0	0.5	10/26/2023	208-96-8	Acenaphthylene	9.85E-03	mg/kg	U	N	ND	9.85E-03	3.28E-02
VOC	SFB-23-295630	0	0.5	10/26/2023	67-64-1	Acetone	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295630	0	0.5	10/26/2023	Al	Aluminum	3.67E+03	mg/kg		Y	3.67E+03	3.67E+03	1.75E+01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295630	0	0.5	10/26/2023	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295630	0	0.5	10/26/2023	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	62-53-3	Aniline	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	120-12-7	Anthracene	9.85E-03	mg/kg	U	N	ND	9.85E-03	3.28E-02
INORGANIC	SFB-23-295630	0	0.5	10/26/2023	Sb	Antimony	2.88E-01	mg/kg	U	N	ND	2.88E-01	1.75E+00
INORGANIC	SFB-23-295630	0	0.5	10/26/2023	As	Arsenic	1.24E+00	mg/kg		Y	1.24E+00	1.24E+00	9.09E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	103-33-3	Azobenzene	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
INORGANIC	SFB-23-295630	0	0.5	10/26/2023	Ba	Barium	1.60E+03	mg/kg		Y	1.60E+03	1.60E+03	2.18E+00
VOC	SFB-23-295630	0	0.5	10/26/2023	71-43-2	Benzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295630	0	0.5	10/26/2023	56-55-3	Benzo(a)anthracene	9.85E-03	mg/kg	U	N	ND	9.85E-03	3.28E-02
SVOC	SFB-23-295630	0	0.5	10/26/2023	50-32-8	Benzo(a)pyrene	9.85E-03	mg/kg	U	N	ND	9.85E-03	3.28E-02

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295630	0	0.5	10/26/2023	205-99-2	Benzo(b)fluoranthene	9.85E-03	mg/kg	U	N	ND	9.85E-03	3.28E-02
SVOC	SFB-23-295630	0	0.5	10/26/2023	191-24-2	Benzo(g,h,i)perylene	9.85E-03	mg/kg	U	N	ND	9.85E-03	3.28E-02
SVOC	SFB-23-295630	0	0.5	10/26/2023	207-08-9	Benzo(k)fluoranthene	9.85E-03	mg/kg	U	N	ND	9.85E-03	3.28E-02
SVOC	SFB-23-295630	0	0.5	10/26/2023	65-85-0	Benzoic Acid	2.33E-01	mg/kg	J	Y	2.33E-01	2.33E-01	6.57E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	100-51-6	Benzyl Alcohol	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
INORGANIC	SFB-23-295630	0	0.5	10/26/2023	Be	Beryllium	6.36E-01	mg/kg		Y	6.36E-01	6.36E-01	9.09E-02
SVOC	SFB-23-295630	0	0.5	10/26/2023	111-91-1	Bis(2-chloroethoxy)methane	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	111-44-4	Bis(2-chloroethyl)ether	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	117-81-7	Bis(2-ethylhexyl)phthalate	1.31E-02	mg/kg	J	Y	1.31E-02	1.31E-02	3.28E-02
VOC	SFB-23-295630	0	0.5	10/26/2023	108-86-1	Bromobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	74-97-5	Bromochloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	75-27-4	Bromodichloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	75-25-2	Bromoform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	74-83-9	Bromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295630	0	0.5	10/26/2023	101-55-3	Bromophenyl-phenylether[4-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
VOC	SFB-23-295630	0	0.5	10/26/2023	78-93-3	Butanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	104-51-8	Butylbenzene[n-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	135-98-8	Butylbenzene[sec-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	98-06-6	Butylbenzene[tert-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295630	0	0.5	10/26/2023	85-68-7	Butylbenzylphthalate	9.85E-03	mg/kg	U	N	ND	9.85E-03	3.28E-02
INORGANIC	SFB-23-295630	0	0.5	10/26/2023	Cd	Cadmium	8.73E-02	mg/kg	U	N	ND	8.73E-02	4.36E-01
INORGANIC	SFB-23-295630	0	0.5	10/26/2023	Ca	Calcium	9.44E+02	mg/kg		Y	9.44E+02	9.44E+02	2.18E+01
VOC	SFB-23-295630	0	0.5	10/26/2023	75-15-0	Carbon Disulfide	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	56-23-5	Carbon Tetrachloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295630	0	0.5	10/26/2023	59-50-7	Chloro-3-methylphenol[4-]	1.31E-01	mg/kg	U	N	ND	1.31E-01	3.28E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	106-47-8	Chloroaniline[4-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
VOC	SFB-23-295630	0	0.5	10/26/2023	108-90-7	Chlorobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	124-48-1	Chlorodibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	75-00-3	Chloroethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	67-66-3	Chloroform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	74-87-3	Chloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295630	0	0.5	10/26/2023	91-58-7	Chloronaphthalene[2-]	9.85E-03	mg/kg	U	N	ND	9.85E-03	3.28E-02
SVOC	SFB-23-295630	0	0.5	10/26/2023	95-57-8	Chlorophenol[2-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	7005-72-3	Chlorophenyl-phenyl[4-] Ether	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
VOC	SFB-23-295630	0	0.5	10/26/2023	95-49-8	Chlorotoluene[2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	106-43-4	Chlorotoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295630	0	0.5	10/26/2023	Cr	Chromium	4.31E+00	mg/kg		Y	4.31E+00	4.31E+00	8.73E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	218-01-9	Chrysene	9.85E-03	mg/kg	U	N	ND	9.85E-03	3.28E-02
INORGANIC	SFB-23-295630	0	0.5	10/26/2023	Co	Cobalt	1.18E+00	mg/kg	J	Y	1.18E+00	1.18E+00	2.18E+00
INORGANIC	SFB-23-295630	0	0.5	10/26/2023	Cu	Copper	5.21E+00	mg/kg		Y	5.21E+00	5.21E+00	1.75E+00
SVOC	SFB-23-295630	0	0.5	10/26/2023	53-70-3	Dibenz(a,h)anthracene	9.85E-03	mg/kg	U	N	ND	9.85E-03	3.28E-02
SVOC	SFB-23-295630	0	0.5	10/26/2023	132-64-9	Dibenzofuran	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
VOC	SFB-23-295630	0	0.5	10/26/2023	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.00E-04	mg/kg	U	N	ND	5.00E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	106-93-4	Dibromoethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	74-95-3	Dibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295630	0	0.5	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
VOC	SFB-23-295630	0	0.5	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295630	0	0.5	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
VOC	SFB-23-295630	0	0.5	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295630	0	0.5	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	91-94-1	Dichlorobenzidine[3,3'-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
VOC	SFB-23-295630	0	0.5	10/26/2023	75-71-8	Dichlorodifluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	75-34-3	Dichloroethane[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295630	0	0.5	10/26/2023	107-06-2	Dichloroethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	75-35-4	Dichloroethene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	156-59-2	Dichloroethene[cis-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	156-60-5	Dichloroethene[trans-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295630	0	0.5	10/26/2023	120-83-2	Dichlorophenol[2,4-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
VOC	SFB-23-295630	0	0.5	10/26/2023	78-87-5	Dichloropropane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	142-28-9	Dichloropropane[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	594-20-7	Dichloropropane[2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	563-58-6	Dichloropropene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	10061-01-5	Dichloropropene[cis-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	10061-02-6	Dichloropropene[trans-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295630	0	0.5	10/26/2023	84-66-2	Diethylphthalate	9.85E-03	mg/kg	U	N	ND	9.85E-03	3.28E-02
SVOC	SFB-23-295630	0	0.5	10/26/2023	131-11-3	Dimethyl Phthalate	9.85E-03	mg/kg	U	N	ND	9.85E-03	3.28E-02
SVOC	SFB-23-295630	0	0.5	10/26/2023	105-67-9	Dimethylphenol[2,4-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	84-74-2	Di-n-butylphthalate	9.85E-03	mg/kg	U	N	ND	9.85E-03	3.28E-02
SVOC	SFB-23-295630	0	0.5	10/26/2023	534-52-1	Dinitro-2-methylphenol[4,6-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295630	0	0.5	10/26/2023	99-65-0	Dinitrobenzene[1,3-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	51-28-5	Dinitrophenol[2,4-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	6.57E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295630	0	0.5	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295630	0	0.5	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	117-84-0	Di-n-octylphthalate	9.85E-03	mg/kg	U	N	ND	9.85E-03	3.28E-02
SVOC	SFB-23-295630	0	0.5	10/26/2023	122-39-4	Diphenylamine	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
PFAS	SFB-23-295630	0	0.5	10/26/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.91E-01	ng/g	U	N	ND	3.91E-04	0.990
PFAS	SFB-23-295630	0	0.5	10/26/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.72E-01	ng/g	U	N	ND	2.72E-04	0.990
VOC	SFB-23-295630	0	0.5	10/26/2023	100-41-4	Ethylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
PFAS	SFB-23-295630	0	0.5	10/26/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	4.06E-01	ng/g	U	N	ND	4.06E-04	0.990
SVOC	SFB-23-295630	0	0.5	10/26/2023	206-44-0	Fluoranthene	9.85E-03	mg/kg	U	N	ND	9.85E-03	3.28E-02
SVOC	SFB-23-295630	0	0.5	10/26/2023	86-73-7	Fluorene	9.85E-03	mg/kg	U	N	ND	9.85E-03	3.28E-02
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	4.12E-06	mg/kg	J	Y	4.12E-06	4.12E-06	4.96E-06
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	37871-00-4	Heptachlorodibenzodioxins (Total)	4.12E-06	mg/kg	J	Y	4.12E-06	4.12E-06	4.96E-06
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	1.86E-06	mg/kg	J	Y	1.86E-06	1.86E-06	4.96E-06
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.96E-07	mg/kg	U	N	ND	1.18E-06	4.96E-06
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	38998-75-3	Heptachlorodibenzofurans (Total)	3.32E-06	mg/kg	J	Y	3.32E-06	3.32E-06	4.96E-06
SVOC	SFB-23-295630	0	0.5	10/26/2023	118-74-1	Hexachlorobenzene	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	87-68-3	Hexachlorobutadiene	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	77-47-4	Hexachlorocyclopentadiene	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.96E-07	mg/kg	U	N	ND	1.24E-06	4.96E-06
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.96E-07	mg/kg	U	N	ND	1.15E-06	4.96E-06
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.96E-07	mg/kg	U	N	ND	1.34E-06	4.96E-06
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	34465-46-8	Hexachlorodibenzodioxins (Total)	7.71E-07	mg/kg	J	Y	7.71E-07	7.71E-07	4.96E-06
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	5.32E-07	mg/kg	J	Y	5.32E-07	5.32E-07	4.96E-06
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.96E-07	mg/kg	U	N	ND	9.91E-07	4.96E-06
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.96E-07	mg/kg	U	N	ND	1.39E-06	4.96E-06
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.96E-07	mg/kg	U	N	ND	1.20E-06	4.96E-06
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	55684-94-1	Hexachlorodibenzofurans (Total)	5.32E-07	mg/kg	J	Y	5.32E-07	5.32E-07	4.96E-06
SVOC	SFB-23-295630	0	0.5	10/26/2023	67-72-1	Hexachloroethane	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
PFAS	SFB-23-295630	0	0.5	10/26/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
VOC	SFB-23-295630	0	0.5	10/26/2023	591-78-6	Hexanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295630	0	0.5	10/26/2023	2691-41-0	HMX	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	193-39-5	Indeno(1,2,3-cd)pyrene	9.85E-03	mg/kg	U	N	ND	9.85E-03	3.28E-02
VOC	SFB-23-295630	0	0.5	10/26/2023	74-88-4	Iodomethane	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295630	0	0.5	10/26/2023	Fe	Iron	9.33E+03	mg/kg		Y	9.33E+03	9.33E+03	2.18E+01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295630	0	0.5	10/26/2023	78-59-1	Isophorone	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
VOC	SFB-23-295630	0	0.5	10/26/2023	98-82-8	Isopropylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	99-87-6	Isopropyltoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295630	0	0.5	10/26/2023	Pb	Lead	1.91E+01	mg/kg	*	Y	1.91E+01	1.91E+01	1.75E+00
INORGANIC	SFB-23-295630	0	0.5	10/26/2023	Mg	Magnesium	9.46E+02	mg/kg	N	Y	9.46E+02	9.46E+02	2.62E+01
INORGANIC	SFB-23-295630	0	0.5	10/26/2023	Mn	Manganese	2.54E+02	mg/kg	*	Y	2.54E+02	2.54E+02	8.73E-01
INORGANIC	SFB-23-295630	0	0.5	10/26/2023	Hg	Mercury	7.85E-03	mg/kg	J	Y	7.85E-03	7.85E-03	2.01E-02
PFAS	SFB-23-295630	0	0.5	10/26/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[M	3.86E-01	ng/g	U	N	ND	3.86E-04	0.990
PFAS	SFB-23-295630	0	0.5	10/26/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.27E-01	ng/g	U	N	ND	3.27E-04	0.990
VOC	SFB-23-295630	0	0.5	10/26/2023	108-10-1	Methyl-2-pentanone[4-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	75-09-2	Methylene Chloride	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295630	0	0.5	10/26/2023	91-57-6	Methylnaphthalene[2-]	9.85E-03	mg/kg	U	N	ND	9.85E-03	3.28E-02
PFAS	SFB-23-295630	0	0.5	10/26/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.31E-01	ng/g	U	N	ND	4.31E-04	0.990
SVOC	SFB-23-295630	0	0.5	10/26/2023	95-48-7	Methylphenol[2-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	65794-96-9	Methylphenol[3-,4-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	91-20-3	Naphthalene	9.85E-03	mg/kg	U	N	ND	9.85E-03	3.28E-02
INORGANIC	SFB-23-295630	0	0.5	10/26/2023	Ni	Nickel	3.37E+00	mg/kg	*	Y	3.37E+00	3.37E+00	3.64E-01
GENERAL CHEMISTRY	SFB-23-295630	0	0.5	10/26/2023	NO3-N	Nitrate as Nitrogen	3.46E+00	mg/kg		Y	3.46E+00	3.46E+00	9.76E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	88-74-4	Nitroaniline[2-]	1.08E-01	mg/kg	U	N	ND	1.08E-01	3.28E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	99-09-2	Nitroaniline[3-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	100-01-6	Nitroaniline[4-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295630	0	0.5	10/26/2023	98-95-3	Nitrobenzene	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	98-95-3	Nitrobenzene	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	88-75-5	Nitrophenol[2-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	100-02-7	Nitrophenol[4-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	62-75-9	Nitrosodimethylamine[N-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	621-64-7	Nitroso-di-n-propylamine[N-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295630	0	0.5	10/26/2023	88-72-2	Nitrotoluene[2-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295630	0	0.5	10/26/2023	99-08-1	Nitrotoluene[3-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295630	0	0.5	10/26/2023	99-99-0	Nitrotoluene[4-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	2.40E-05	mg/kg		Y	2.40E-05	2.40E-05	9.93E-06
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	3.00E-06	mg/kg	J	Y	3.00E-06	3.00E-06	9.93E-06
SVOC	SFB-23-295630	0	0.5	10/26/2023	108-60-1	Oxybis(1-chloropropane)[2,2'-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.96E-07	mg/kg	U	N	ND	1.29E-06	4.96E-06
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	36088-22-9	Pentachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	1.29E-06	4.96E-06
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	4.96E-07	mg/kg	U	N	ND	1.14E-06	4.96E-06
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.96E-07	mg/kg	U	N	ND	1.28E-06	4.96E-06
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	30402-15-4	Pentachlorodibenzofurans (Totals)	6.08E-07	mg/kg	J	Y	6.08E-07	6.08E-07	4.96E-06
SVOC	SFB-23-295630	0	0.5	10/26/2023	87-86-5	Pentachlorophenol	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
LCMS/MS	SFB-23-295630	0	0.5	10/26/2023	ClO4	Perchlorate	4.88E-04	mg/kg	U	N	ND	4.88E-04	1.95E-03
PFAS	SFB-23-295630	0	0.5	10/26/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.83E-01	ng/g	U	N	ND	1.83E-04	0.470
PFAS	SFB-23-295630	0	0.5	10/26/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
PFAS	SFB-23-295630	0	0.5	10/26/2023	375-73-5	Perfluorobutanesulfonic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.441
PFAS	SFB-23-295630	0	0.5	10/26/2023	375-22-4	Perfluorobutanoic acid	1.98E-01	ng/g	U	N	ND	1.98E-04	0.495
PFAS	SFB-23-295630	0	0.5	10/26/2023	335-77-3	Perfluorodecane sulfonate	1.63E-01	ng/g	U	N	ND	1.63E-04	0.480
PFAS	SFB-23-295630	0	0.5	10/26/2023	335-76-2	Perfluorodecanoic acid	3.66E-01	ng/g	U	N	ND	3.66E-04	0.990
PFAS	SFB-23-295630	0	0.5	10/26/2023	79780-39-5	Perfluorododecanesulfonic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.479
PFAS	SFB-23-295630	0	0.5	10/26/2023	307-55-1	Perfluorododecanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
PFAS	SFB-23-295630	0	0.5	10/26/2023	375-85-9	Perfluoroheptanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
PFAS	SFB-23-295630	0	0.5	10/26/2023	355-46-4	Perfluorohexanesulfonic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.450
PFAS	SFB-23-295630	0	0.5	10/26/2023	307-24-4	Perfluorohexanoic acid	1.98E-01	ng/g	U	N	ND	1.98E-04	0.495
PFAS	SFB-23-295630	0	0.5	10/26/2023	68259-12-1	Perfluorononanesulfonic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.475
PFAS	SFB-23-295630	0	0.5	10/26/2023	375-95-1	Perfluorononanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
PFAS	SFB-23-295630	0	0.5	10/26/2023	1763-23-1	Perfluorooctanesulfonic acid	1.98E-01	ng/g	U	N	ND	1.98E-04	0.495

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
PFAS	SFB-23-295630	0	0.5	10/26/2023	335-67-1	Perfluorooctanoic acid	1.98E-01	ng/g	U	N	ND	1.98E-04	0.495
PFAS	SFB-23-295630	0	0.5	10/26/2023	2706-91-4	Perfluoropentanesulfonic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.465
PFAS	SFB-23-295630	0	0.5	10/26/2023	2706-90-3	Perfluoropentanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
PFAS	SFB-23-295630	0	0.5	10/26/2023	376-06-7	Perfluorotetradecanoic acid	1.98E-01	ng/g	U	N	ND	1.98E-04	0.495
PFAS	SFB-23-295630	0	0.5	10/26/2023	72629-94-8	Perfluorotridecanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
PFAS	SFB-23-295630	0	0.5	10/26/2023	2058-94-8	Perfluoroundecanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
LCMS/MS HIGH EXPLOSIVES	SFB-23-295630	0	0.5	10/26/2023	78-11-5	PETN	2.39E-01	mg/kg	U	N	ND	2.39E-01	9.57E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	85-01-8	Phenanthrene	9.85E-03	mg/kg	U	N	ND	9.85E-03	3.28E-02
SVOC	SFB-23-295630	0	0.5	10/26/2023	108-95-2	Phenol	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
INORGANIC	SFB-23-295630	0	0.5	10/26/2023	K	Potassium	7.96E+02	mg/kg	N	Y	7.96E+02	7.96E+02	2.18E+01
VOC	SFB-23-295630	0	0.5	10/26/2023	103-65-1	Propylbenzene[1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295630	0	0.5	10/26/2023	129-00-0	Pyrene	9.85E-03	mg/kg	U	N	ND	9.85E-03	3.28E-02
SVOC	SFB-23-295630	0	0.5	10/26/2023	110-86-1	Pyridine	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295630	0	0.5	10/26/2023	121-82-4	RDX	4.52E-01	mg/kg	J	Y	4.52E-01	4.52E-01	4.78E-01
INORGANIC	SFB-23-295630	0	0.5	10/26/2023	Se	Selenium	6.84E-01	mg/kg	J	Y	6.84E-01	6.84E-01	9.09E-01
INORGANIC	SFB-23-295630	0	0.5	10/26/2023	Ag	Silver	1.01E+00	mg/kg		Y	1.01E+00	1.01E+00	4.36E-01
INORGANIC	SFB-23-295630	0	0.5	10/26/2023	Na	Sodium	1.43E+02	mg/kg	N	Y	1.43E+02	1.43E+02	2.18E+01
VOC	SFB-23-295630	0	0.5	10/26/2023	100-42-5	Styrene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295630	0	0.5	10/26/2023	3058-38-6	TATB	1.22E+00	mg/kg	J	Y	1.22E+00	1.22E+00	9.57E-01
GENERAL CHEMISTRY	SFB-23-295630	0	0.5	10/26/2023	TEMP	Temperature	3.40E+00	deg C		Y		0.00E+00	
GENERAL CHEMISTRY	SFB-23-295630	0	0.5	10/26/2023	TEMP	Temperature	5.00E+00	deg C		Y		0.00E+00	
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	2.11E-07	mg/kg	U	N	ND	2.65E-07	9.93E-07
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	41903-57-5	Tetrachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	2.65E-07	9.93E-07
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	3.00E-07	mg/kg	U	N	ND	3.98E-07	9.93E-07
HRGC/HRMS	SFB-23-295630	0	0.5	10/26/2023	55722-27-5	Tetrachlorodibenzofurans (Totals)	0.00E+00	mg/kg	U	N	ND	3.98E-07	9.93E-07
VOC	SFB-23-295630	0	0.5	10/26/2023	630-20-6	Tetrachloroethane[1,1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	79-34-5	Tetrachloroethane[1,1,2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	127-18-4	Tetrachloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295630	0	0.5	10/26/2023	479-45-8	Tetryl	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
INORGANIC	SFB-23-295630	0	0.5	10/26/2023	Tl	Thallium	1.48E-01	mg/kg	J	Y	1.48E-01	1.48E-01	3.64E-01
VOC	SFB-23-295630	0	0.5	10/26/2023	108-88-3	Toluene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
TPH	SFB-23-295630	0	0.5	10/26/2023	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	5.94E+00	mg/kg	J	Y	5.94E+00	5.94E+00	6.54E+00
TPH	SFB-23-295630	0	0.5	10/26/2023	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	1.67E+00	mg/kg	U	N	ND	1.67E+00	1.00E+01
PFAS	SFB-23-295630	0	0.5	10/26/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295630	0	0.5	10/26/2023	PFAS-Tot-37a	Total PFAS 37a	0.00E+00	ng/g	U	N	ND	1.63E-04	4.41E-01
PFAS	SFB-23-295630	0	0.5	10/26/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
VOC	SFB-23-295630	0	0.5	10/26/2023	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295630	0	0.5	10/26/2023	120-82-1	Trichlorobenzene[1,2,4-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
VOC	SFB-23-295630	0	0.5	10/26/2023	71-55-6	Trichloroethane[1,1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	79-00-5	Trichloroethane[1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	79-01-6	Trichloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	75-69-4	Trichlorofluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295630	0	0.5	10/26/2023	95-95-4	Trichlorophenol[2,4,5-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
SVOC	SFB-23-295630	0	0.5	10/26/2023	88-06-2	Trichlorophenol[2,4,6-]	9.85E-02	mg/kg	U	N	ND	9.85E-02	3.28E-01
VOC	SFB-23-295630	0	0.5	10/26/2023	96-18-4	Trichloropropane[1,2,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	95-63-6	Trimethylbenzene[1,2,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	108-67-8	Trimethylbenzene[1,3,5-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295630	0	0.5	10/26/2023	99-35-4	Trinitrobenzene[1,3,5-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295630	0	0.5	10/26/2023	118-96-7	Trinitrotoluene[2,4,6-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295630	0	0.5	10/26/2023	78-30-8	Tris (o-cresyl) phosphate	2.87E-01	mg/kg	U	N	ND	2.87E-01	9.57E-01
INORGANIC	SFB-23-295630	0	0.5	10/26/2023	V	Vanadium	8.10E+00	mg/kg		Y	8.10E+00	8.10E+00	4.36E-01
VOC	SFB-23-295630	0	0.5	10/26/2023	75-01-4	Vinyl Chloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	95-47-6	Xylene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295630	0	0.5	10/26/2023	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.67E-04	mg/kg	U	N	ND	6.67E-04	2.00E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
INORGANIC	SFB-23-295630	0	0.5	10/26/2023	Zn	Zinc	4.90E+01	mg/kg		Y	4.90E+01	4.90E+01	1.75E+00
PFAS	SFB-23-295631	0	0.5	10/26/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.64E-01	ng/g	U	N	ND	1.64E-04	0.469
PFAS	SFB-23-295631	0	0.5	10/26/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.83E-01	ng/g	U	N	ND	3.83E-04	0.955
PFAS	SFB-23-295631	0	0.5	10/26/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	3.28E-01	ng/g	U	N	ND	3.28E-04	0.955
PFAS	SFB-23-295631	0	0.5	10/26/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	3.98E-01	ng/g	U	N	ND	3.98E-04	0.935
PFAS	SFB-23-295631	0	0.5	10/26/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.34E+00	ng/g	U	N	ND	1.34E-03	3.73
LCMS/MS HIGH EXPLOSIVES	SFB-23-295631	0	0.5	10/26/2023	6629-29-4	2,4-Diamino-6-nitrotoluene	4.93E-01	mg/kg	U	N	ND	4.93E-01	1.97E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295631	0	0.5	10/26/2023	59229-75-3	2,6-Diamino-4-nitrotoluene	6.50E-01	mg/kg	U	N	ND	6.50E-01	1.97E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295631	0	0.5	10/26/2023	618-87-1	3,5-Dinitroaniline	2.96E-01	mg/kg	U	N	ND	2.96E-01	9.85E-01
PFAS	SFB-23-295631	0	0.5	10/26/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.28E-01	ng/g	U	N	ND	3.28E-04	0.995
PFAS	SFB-23-295631	0	0.5	10/26/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.28E-01	ng/g	U	N	ND	3.28E-04	0.995
PFAS	SFB-23-295631	0	0.5	10/26/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.28E-01	ng/g	U	N	ND	3.28E-04	0.995
PFAS	SFB-23-295631	0	0.5	10/26/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.498
PFAS	SFB-23-295631	0	0.5	10/26/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.64E-01	ng/g	U	N	ND	1.64E-04	0.464
SVOC	SFB-23-295631	0	0.5	10/26/2023	83-32-9	Acenaphthene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295631	0	0.5	10/26/2023	208-96-8	Acenaphthylene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
VOC	SFB-23-295631	0	0.5	10/26/2023	67-64-1	Acetone	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295631	0	0.5	10/26/2023	Al	Aluminum	6.83E+03	mg/kg		Y	6.83E+03	6.83E+03	1.92E+01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295631	0	0.5	10/26/2023	19406-51-0	Amino-2,6-dinitrotoluene[4-]	4.49E-01	mg/kg	J	Y	4.49E-01	4.49E-01	4.93E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295631	0	0.5	10/26/2023	35572-78-2	Amino-4,6-dinitrotoluene[2-]	3.20E-01	mg/kg	J	Y	3.20E-01	3.20E-01	4.93E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	62-53-3	Aniline	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	120-12-7	Anthracene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
INORGANIC	SFB-23-295631	0	0.5	10/26/2023	Sb	Antimony	6.57E-01	mg/kg	J	Y	6.57E-01	6.57E-01	1.92E+00
INORGANIC	SFB-23-295631	0	0.5	10/26/2023	As	Arsenic	2.16E+00	mg/kg		Y	2.16E+00	2.16E+00	8.79E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	103-33-3	Azobenzene	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
INORGANIC	SFB-23-295631	0	0.5	10/26/2023	Ba	Barium	3.92E+03	mg/kg		Y	3.92E+03	3.92E+03	2.40E+00
VOC	SFB-23-295631	0	0.5	10/26/2023	71-43-2	Benzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295631	0	0.5	10/26/2023	56-55-3	Benzo(a)anthracene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295631	0	0.5	10/26/2023	50-32-8	Benzo(a)pyrene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295631	0	0.5	10/26/2023	205-99-2	Benzo(b)fluoranthene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295631	0	0.5	10/26/2023	191-24-2	Benzo(g,h,i)perylene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295631	0	0.5	10/26/2023	207-08-9	Benzo(k)fluoranthene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295631	0	0.5	10/26/2023	65-85-0	Benzoic Acid	2.60E-01	mg/kg	J	Y	2.60E-01	2.60E-01	6.58E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	100-51-6	Benzyl Alcohol	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
INORGANIC	SFB-23-295631	0	0.5	10/26/2023	Be	Beryllium	8.56E-01	mg/kg		Y	8.56E-01	8.56E-01	8.79E-02
SVOC	SFB-23-295631	0	0.5	10/26/2023	111-91-1	Bis(2-chloroethoxy)methane	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	111-44-4	Bis(2-chloroethyl)ether	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	117-81-7	Bis(2-ethylhexyl)phthalate	2.71E+00	mg/kg		Y	2.71E+00	2.71E+00	3.29E-02
VOC	SFB-23-295631	0	0.5	10/26/2023	108-86-1	Bromobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	74-97-5	Bromochloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	75-27-4	Bromodichloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	75-25-2	Bromoform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	74-83-9	Bromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295631	0	0.5	10/26/2023	101-55-3	Bromophenyl-phenylether[4-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
VOC	SFB-23-295631	0	0.5	10/26/2023	78-93-3	Butanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	104-51-8	Butylbenzene[n-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	135-98-8	Butylbenzene[sec-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	98-06-6	Butylbenzene[tert-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295631	0	0.5	10/26/2023	85-68-7	Butylbenzylphthalate	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
INORGANIC	SFB-23-295631	0	0.5	10/26/2023	Cd	Cadmium	9.62E-02	mg/kg	U	N	ND	9.62E-02	4.81E-01
INORGANIC	SFB-23-295631	0	0.5	10/26/2023	Ca	Calcium	2.86E+03	mg/kg		Y	2.86E+03	2.86E+03	2.40E+01
VOC	SFB-23-295631	0	0.5	10/26/2023	75-15-0	Carbon Disulfide	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	56-23-5	Carbon Tetrachloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295631	0	0.5	10/26/2023	59-50-7	Chloro-3-methylphenol[4-]	1.32E-01	mg/kg	U	N	ND	1.32E-01	3.29E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295631	0	0.5	10/26/2023	106-47-8	Chloroaniline[4-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
VOC	SFB-23-295631	0	0.5	10/26/2023	108-90-7	Chlorobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	124-48-1	Chlorodibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	75-00-3	Chloroethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	67-66-3	Chloroform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	74-87-3	Chloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295631	0	0.5	10/26/2023	91-58-7	Chloronaphthalene[2-]	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295631	0	0.5	10/26/2023	95-57-8	Chlorophenol[2-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	7005-72-3	Chlorophenyl-phenyl[4-] Ether	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
VOC	SFB-23-295631	0	0.5	10/26/2023	95-49-8	Chlorotoluene[2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	106-43-4	Chlorotoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295631	0	0.5	10/26/2023	Cr	Chromium	6.47E+00	mg/kg		Y	6.47E+00	6.47E+00	9.62E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	218-01-9	Chrysene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
INORGANIC	SFB-23-295631	0	0.5	10/26/2023	Co	Cobalt	2.52E+00	mg/kg		Y	2.52E+00	2.52E+00	2.40E+00
INORGANIC	SFB-23-295631	0	0.5	10/26/2023	Cu	Copper	9.49E+00	mg/kg		Y	9.49E+00	9.49E+00	1.92E+00
SVOC	SFB-23-295631	0	0.5	10/26/2023	53-70-3	Dibenz(a,h)anthracene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295631	0	0.5	10/26/2023	132-64-9	Dibenzofuran	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
VOC	SFB-23-295631	0	0.5	10/26/2023	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.00E-04	mg/kg	U	N	ND	5.00E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	106-93-4	Dibromoethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	74-95-3	Dibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295631	0	0.5	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
VOC	SFB-23-295631	0	0.5	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295631	0	0.5	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
VOC	SFB-23-295631	0	0.5	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295631	0	0.5	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	91-94-1	Dichlorobenzidine[3,3'-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
VOC	SFB-23-295631	0	0.5	10/26/2023	75-71-8	Dichlorodifluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	75-34-3	Dichloroethane[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	107-06-2	Dichloroethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	75-35-4	Dichloroethene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	156-59-2	Dichloroethene[cis-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	156-60-5	Dichloroethene[trans-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295631	0	0.5	10/26/2023	120-83-2	Dichlorophenol[2,4-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
VOC	SFB-23-295631	0	0.5	10/26/2023	78-87-5	Dichloropropane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	142-28-9	Dichloropropane[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	594-20-7	Dichloropropane[2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	563-58-6	Dichloropropene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	10061-01-5	Dichloropropene[cis-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	10061-02-6	Dichloropropene[trans-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295631	0	0.5	10/26/2023	84-66-2	Diethylphthalate	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295631	0	0.5	10/26/2023	131-11-3	Dimethyl Phthalate	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295631	0	0.5	10/26/2023	105-67-9	Dimethylphenol[2,4-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	84-74-2	Di-n-butylphthalate	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295631	0	0.5	10/26/2023	534-52-1	Dinitro-2-methylphenol[4,6-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295631	0	0.5	10/26/2023	99-65-0	Dinitrobenzene[1,3-]	1.48E-01	mg/kg	U	N	ND	1.48E-01	4.93E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	51-28-5	Dinitrophenol[2,4-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	6.58E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295631	0	0.5	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	1.48E-01	mg/kg	U	N	ND	1.48E-01	4.93E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295631	0	0.5	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	1.48E-01	mg/kg	U	N	ND	1.48E-01	4.93E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	117-84-0	Di-n-octylphthalate	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295631	0	0.5	10/26/2023	122-39-4	Diphenylamine	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
PFAS	SFB-23-295631	0	0.5	10/26/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.93E-01	ng/g	U	N	ND	3.93E-04	0.995

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
PFAS	SFB-23-295631	0	0.5	10/26/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[	2.74E-01	ng/g	U	N	ND	2.74E-04	0.995
VOC	SFB-23-295631	0	0.5	10/26/2023	100-41-4	Ethylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
PFAS	SFB-23-295631	0	0.5	10/26/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	4.08E-01	ng/g	U	N	ND	4.08E-04	0.995
SVOC	SFB-23-295631	0	0.5	10/26/2023	206-44-0	Fluoranthene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295631	0	0.5	10/26/2023	86-73-7	Fluorene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.83E-04	mg/kg		Y	1.83E-04	1.83E-04	4.95E-06
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	37871-00-4	Heptachlorodibenzodioxins (Total)	3.25E-04	mg/kg		Y	3.25E-04	3.25E-04	4.95E-06
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	6.09E-05	mg/kg		Y	6.09E-05	6.09E-05	4.95E-06
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	3.33E-06	mg/kg	J	Y	3.33E-06	3.33E-06	4.95E-06
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	38998-75-3	Heptachlorodibenzofurans (Total)	1.37E-04	mg/kg	J	Y	1.37E-04	1.37E-04	4.95E-06
SVOC	SFB-23-295631	0	0.5	10/26/2023	118-74-1	Hexachlorobenzene	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	87-68-3	Hexachlorobutadiene	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	77-47-4	Hexachlorocyclopentadiene	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	3.90E-06	mg/kg	J	Y	3.90E-06	3.90E-06	4.95E-06
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	7.21E-06	mg/kg		Y	7.21E-06	7.21E-06	4.95E-06
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	7.79E-06	mg/kg		Y	7.79E-06	7.79E-06	4.95E-06
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	34465-46-8	Hexachlorodibenzodioxins (Total)	6.24E-05	mg/kg	J	Y	6.24E-05	6.24E-05	4.95E-06
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	2.92E-06	mg/kg	J	Y	2.92E-06	2.92E-06	4.95E-06
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	3.32E-06	mg/kg	J	Y	3.32E-06	3.32E-06	4.95E-06
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	7.07E-07	mg/kg	U	N	ND	1.38E-06	4.95E-06
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	3.84E-06	mg/kg	J	Y	3.84E-06	3.84E-06	4.95E-06
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	55684-94-1	Hexachlorodibenzofurans (Total)	6.57E-05	mg/kg	J	Y	6.57E-05	6.57E-05	4.95E-06
SVOC	SFB-23-295631	0	0.5	10/26/2023	67-72-1	Hexachloroethane	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
PFAS	SFB-23-295631	0	0.5	10/26/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.64E-01	ng/g	U	N	ND	1.64E-04	0.498
VOC	SFB-23-295631	0	0.5	10/26/2023	591-78-6	Hexanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295631	0	0.5	10/26/2023	2691-41-0	HMX	2.47E+00	mg/kg		Y	2.47E+00	2.47E+00	4.93E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	193-39-5	Indeno(1,2,3-cd)pyrene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
VOC	SFB-23-295631	0	0.5	10/26/2023	74-88-4	Iodomethane	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295631	0	0.5	10/26/2023	Fe	Iron	8.83E+03	mg/kg		Y	8.83E+03	8.83E+03	2.40E+01
SVOC	SFB-23-295631	0	0.5	10/26/2023	78-59-1	Isophorone	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
VOC	SFB-23-295631	0	0.5	10/26/2023	98-82-8	Isopropylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	99-87-6	Isopropyltoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295631	0	0.5	10/26/2023	Pb	Lead	1.25E+01	mg/kg	*	Y	1.25E+01	1.25E+01	1.92E+00
INORGANIC	SFB-23-295631	0	0.5	10/26/2023	Mg	Magnesium	1.27E+03	mg/kg	N	Y	1.27E+03	1.27E+03	2.88E+01
INORGANIC	SFB-23-295631	0	0.5	10/26/2023	Mn	Manganese	2.11E+02	mg/kg	*	Y	2.11E+02	2.11E+02	9.62E-01
INORGANIC	SFB-23-295631	0	0.5	10/26/2023	Hg	Mercury	2.63E-02	mg/kg		Y	2.63E-02	2.63E-02	2.23E-02
PFAS	SFB-23-295631	0	0.5	10/26/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[N	3.88E-01	ng/g	U	N	ND	3.88E-04	0.995
PFAS	SFB-23-295631	0	0.5	10/26/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.28E-01	ng/g	U	N	ND	3.28E-04	0.995
VOC	SFB-23-295631	0	0.5	10/26/2023	108-10-1	Methyl-2-pentanone[4-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	75-09-2	Methylene Chloride	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295631	0	0.5	10/26/2023	91-57-6	Methylnaphthalene[2-]	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
PFAS	SFB-23-295631	0	0.5	10/26/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.33E-01	ng/g	U	N	ND	4.33E-04	0.995
SVOC	SFB-23-295631	0	0.5	10/26/2023	95-48-7	Methylphenol[2-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	65794-96-9	Methylphenol[3-,4-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	91-20-3	Naphthalene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
INORGANIC	SFB-23-295631	0	0.5	10/26/2023	Ni	Nickel	6.86E+00	mg/kg	*	Y	6.86E+00	6.86E+00	3.51E-01
GENERAL CHEMISTRY	SFB-23-295631	0	0.5	10/26/2023	NO3-N	Nitrate as Nitrogen	6.17E-01	mg/kg	J	Y	6.17E-01	6.17E-01	9.62E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	88-74-4	Nitroaniline[2-]	1.09E-01	mg/kg	U	N	ND	1.09E-01	3.29E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	99-09-2	Nitroaniline[3-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	100-01-6	Nitroaniline[4-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295631	0	0.5	10/26/2023	98-95-3	Nitrobenzene	1.48E-01	mg/kg	U	N	ND	1.48E-01	4.93E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	98-95-3	Nitrobenzene	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	88-75-5	Nitrophenol[2-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	100-02-7	Nitrophenol[4-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295631	0	0.5	10/26/2023	62-75-9	Nitrosodimethylamine[N-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	621-64-7	Nitroso-di-n-propylamine[N-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295631	0	0.5	10/26/2023	88-72-2	Nitrotoluene[2-]	1.48E-01	mg/kg	U	N	ND	1.48E-01	4.93E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295631	0	0.5	10/26/2023	99-08-1	Nitrotoluene[3-]	1.48E-01	mg/kg	U	N	ND	1.48E-01	4.93E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295631	0	0.5	10/26/2023	99-99-0	Nitrotoluene[4-]	1.48E-01	mg/kg	U	N	ND	1.48E-01	4.93E-01
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.02E-03	mg/kg		Y	1.02E-03	1.02E-03	9.91E-06
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.09E-04	mg/kg		Y	1.09E-04	1.09E-04	9.91E-06
SVOC	SFB-23-295631	0	0.5	10/26/2023	108-60-1	Oxybis(1-chloropropane)[2,2'-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	1.66E-06	mg/kg	JK	Y	1.66E-06	1.66E-06	4.95E-06
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	36088-22-9	Pentachlorodibenzodioxins (Total)	6.66E-06	mg/kg	J	Y	6.66E-06	6.66E-06	4.95E-06
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	1.44E-06	mg/kg	J	Y	1.44E-06	1.44E-06	4.95E-06
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	1.21E-06	mg/kg	J	Y	1.21E-06	1.21E-06	4.95E-06
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	30402-15-4	Pentachlorodibenzofurans (Totals)	1.92E-05	mg/kg	J	Y	1.92E-05	1.92E-05	4.95E-06
SVOC	SFB-23-295631	0	0.5	10/26/2023	87-86-5	Pentachlorophenol	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
LCMS/MS	SFB-23-295631	0	0.5	10/26/2023	ClO4	Perchlorate	4.78E-04	mg/kg	U	N	ND	4.78E-04	1.91E-03
PFAS	SFB-23-295631	0	0.5	10/26/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.84E-01	ng/g	U	N	ND	1.84E-04	0.473
PFAS	SFB-23-295631	0	0.5	10/26/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.64E-01	ng/g	U	N	ND	1.64E-04	0.498
PFAS	SFB-23-295631	0	0.5	10/26/2023	375-73-5	Perfluorobutanesulfonic acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.443
PFAS	SFB-23-295631	0	0.5	10/26/2023	375-22-4	Perfluorobutanoic acid	1.99E-01	ng/g	U	N	ND	1.99E-04	0.498
PFAS	SFB-23-295631	0	0.5	10/26/2023	335-77-3	Perfluorodecane sulfonate	1.64E-01	ng/g	U	N	ND	1.64E-04	0.483
PFAS	SFB-23-295631	0	0.5	10/26/2023	335-76-2	Perfluorodecanoic acid	3.68E-01	ng/g	U	N	ND	3.68E-04	0.995
PFAS	SFB-23-295631	0	0.5	10/26/2023	79780-39-5	Perfluorododecanesulfonic acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.482
PFAS	SFB-23-295631	0	0.5	10/26/2023	307-55-1	Perfluorododecanoic acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.498
PFAS	SFB-23-295631	0	0.5	10/26/2023	375-85-9	Perfluoroheptanoic acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.498
PFAS	SFB-23-295631	0	0.5	10/26/2023	355-46-4	Perfluorohexanesulfonic acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.453
PFAS	SFB-23-295631	0	0.5	10/26/2023	307-24-4	Perfluorohexanoic acid	1.99E-01	ng/g	U	N	ND	1.99E-04	0.498
PFAS	SFB-23-295631	0	0.5	10/26/2023	68259-12-1	Perfluorononanesulfonic acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.478
PFAS	SFB-23-295631	0	0.5	10/26/2023	375-95-1	Perfluorononanoic acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.498
PFAS	SFB-23-295631	0	0.5	10/26/2023	1763-23-1	Perfluorooctanesulfonic acid	1.99E-01	ng/g	U	N	ND	1.99E-04	0.498
PFAS	SFB-23-295631	0	0.5	10/26/2023	335-67-1	Perfluorooctanoic acid	1.99E-01	ng/g	U	N	ND	1.99E-04	0.498
PFAS	SFB-23-295631	0	0.5	10/26/2023	2706-91-4	Perfluoropentanesulfonic acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.468
PFAS	SFB-23-295631	0	0.5	10/26/2023	2706-90-3	Perfluoropentanoic acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.498
PFAS	SFB-23-295631	0	0.5	10/26/2023	376-06-7	Perfluorotetradecanoic acid	1.99E-01	ng/g	U	N	ND	1.99E-04	0.498
PFAS	SFB-23-295631	0	0.5	10/26/2023	72629-94-8	Perfluorotridecanoic acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.498
PFAS	SFB-23-295631	0	0.5	10/26/2023	2058-94-8	Perfluoroundecanoic acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.498
LCMS/MS HIGH EXPLOSIVES	SFB-23-295631	0	0.5	10/26/2023	78-11-5	PETN	2.46E-01	mg/kg	U	N	ND	2.46E-01	9.85E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	85-01-8	Phenanthrene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295631	0	0.5	10/26/2023	108-95-2	Phenol	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
INORGANIC	SFB-23-295631	0	0.5	10/26/2023	K	Potassium	1.15E+03	mg/kg	N	Y	1.15E+03	1.15E+03	2.40E+01
VOC	SFB-23-295631	0	0.5	10/26/2023	103-65-1	Propylbenzene[1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295631	0	0.5	10/26/2023	129-00-0	Pyrene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295631	0	0.5	10/26/2023	110-86-1	Pyridine	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295631	0	0.5	10/26/2023	121-82-4	RDX	2.16E+01	mg/kg		Y	2.16E+01	2.16E+01	2.46E+00
INORGANIC	SFB-23-295631	0	0.5	10/26/2023	Se	Selenium	5.20E-01	mg/kg	J	Y	5.20E-01	5.20E-01	8.79E-01
INORGANIC	SFB-23-295631	0	0.5	10/26/2023	Ag	Silver	1.86E+00	mg/kg		Y	1.86E+00	1.86E+00	4.81E-01
INORGANIC	SFB-23-295631	0	0.5	10/26/2023	Na	Sodium	7.17E+01	mg/kg	N	Y	7.17E+01	7.17E+01	2.40E+01
VOC	SFB-23-295631	0	0.5	10/26/2023	100-42-5	Styrene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295631	0	0.5	10/26/2023	3058-38-6	TATB	1.29E+00	mg/kg	J	Y	1.29E+00	1.29E+00	9.85E-01
GENERAL CHEMISTRY	SFB-23-295631	0	0.5	10/26/2023	TEMP	Temperature	3.40E+00	deg C		Y		0.00E+00	
GENERAL CHEMISTRY	SFB-23-295631	0	0.5	10/26/2023	TEMP	Temperature	5.00E+00	deg C		Y		0.00E+00	
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	4.64E-07	mg/kg	J	Y	4.64E-07	4.64E-07	9.91E-07
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	41903-57-5	Tetrachlorodibenzodioxins (Total)	3.08E-06	mg/kg	J	Y	3.08E-06	3.08E-06	9.91E-07
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	9.55E-07	mg/kg	J	Y	9.55E-07	9.55E-07	9.91E-07
HRGC/HRMS	SFB-23-295631	0	0.5	10/26/2023	55722-27-5	Tetrachlorodibenzofurans (Totals)	9.79E-06	mg/kg	J	Y	9.79E-06	9.79E-06	9.91E-07

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295631	0	0.5	10/26/2023	630-20-6	Tetrachloroethane[1,1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	79-34-5	Tetrachloroethane[1,1,2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	127-18-4	Tetrachloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295631	0	0.5	10/26/2023	479-45-8	Tetryl	1.48E-01	mg/kg	U	N	ND	1.48E-01	4.93E-01
INORGANIC	SFB-23-295631	0	0.5	10/26/2023	Tl	Thallium	2.44E-01	mg/kg	J	Y	2.44E-01	2.44E-01	3.51E-01
VOC	SFB-23-295631	0	0.5	10/26/2023	108-88-3	Toluene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
TPH	SFB-23-295631	0	0.5	10/26/2023	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	3.01E+01	mg/kg		Y	3.01E+01	3.01E+01	6.50E+00
TPH	SFB-23-295631	0	0.5	10/26/2023	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	1.67E+00	mg/kg	U	N	ND	1.67E+00	1.00E+01
PFAS	SFB-23-295631	0	0.5	10/26/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295631	0	0.5	10/26/2023	PFAS-Tot-37a	Total PFAS 37a	0.00E+00	ng/g	U	N	ND	1.64E-04	4.43E-01
PFAS	SFB-23-295631	0	0.5	10/26/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
VOC	SFB-23-295631	0	0.5	10/26/2023	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295631	0	0.5	10/26/2023	120-82-1	Trichlorobenzene[1,2,4-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
VOC	SFB-23-295631	0	0.5	10/26/2023	71-55-6	Trichloroethane[1,1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	79-00-5	Trichloroethane[1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	79-01-6	Trichloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	75-69-4	Trichlorofluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295631	0	0.5	10/26/2023	95-95-4	Trichlorophenol[2,4,5-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295631	0	0.5	10/26/2023	88-06-2	Trichlorophenol[2,4,6-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
VOC	SFB-23-295631	0	0.5	10/26/2023	96-18-4	Trichloropropane[1,2,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	95-63-6	Trimethylbenzene[1,2,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	108-67-8	Trimethylbenzene[1,3,5-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295631	0	0.5	10/26/2023	99-35-4	Trinitrobenzene[1,3,5-]	1.48E-01	mg/kg	U	N	ND	1.48E-01	4.93E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295631	0	0.5	10/26/2023	118-96-7	Trinitrotoluene[2,4,6-]	8.22E-01	mg/kg		Y	8.22E-01	8.22E-01	4.93E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295631	0	0.5	10/26/2023	78-30-8	Tris (o-cresyl) phosphate	2.96E-01	mg/kg	U	N	ND	2.96E-01	9.85E-01
INORGANIC	SFB-23-295631	0	0.5	10/26/2023	V	Vanadium	1.41E+01	mg/kg		Y	1.41E+01	1.41E+01	4.81E-01
VOC	SFB-23-295631	0	0.5	10/26/2023	75-01-4	Vinyl Chloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	95-47-6	Xylene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295631	0	0.5	10/26/2023	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.67E-04	mg/kg	U	N	ND	6.67E-04	2.00E-03
INORGANIC	SFB-23-295631	0	0.5	10/26/2023	Zn	Zinc	1.55E+02	mg/kg		Y	1.55E+02	1.55E+02	1.92E+00
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.59E-01	ng/g	U	N	ND	1.59E-04	0.453
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.70E-01	ng/g	U	N	ND	3.70E-04	0.923
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	3.17E-01	ng/g	U	N	ND	3.17E-04	0.923
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	3.85E-01	ng/g	U	N	ND	3.85E-04	0.904
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.29E+00	ng/g	U	N	ND	1.29E-03	3.61
LCMS/MS HIGH EXPLOSIVES	SFB-23-295632	0.5	1.25	10/26/2023	6629-29-4	2,4-Diamino-6-nitrotoluene	4.72E-01	mg/kg	U	N	ND	4.72E-01	1.89E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295632	0.5	1.25	10/26/2023	59229-75-3	2,6-Diamino-4-nitrotoluene	6.23E-01	mg/kg	U	N	ND	6.23E-01	1.89E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295632	0.5	1.25	10/26/2023	618-87-1	3,5-Dinitroaniline	2.83E-01	mg/kg	U	N	ND	2.83E-01	9.43E-01
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.59E-01	ng/g	U	N	ND	1.59E-04	0.448
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	83-32-9	Acenaphthene	9.83E-03	mg/kg	U	N	ND	9.83E-03	3.28E-02
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	208-96-8	Acenaphthylene	9.83E-03	mg/kg	U	N	ND	9.83E-03	3.28E-02
VOC	SFB-23-295632	0.5	1.25	10/26/2023	67-64-1	Acetone	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295632	0.5	1.25	10/26/2023	Al	Aluminum	6.04E+03	mg/kg		Y	6.04E+03	6.04E+03	1.96E+01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295632	0.5	1.25	10/26/2023	19406-51-0	Amino-2,6-dinitrotoluene[4-]	6.47E-01	mg/kg		Y	6.47E-01	6.47E-01	4.72E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295632	0.5	1.25	10/26/2023	35572-78-2	Amino-4,6-dinitrotoluene[2-]	5.09E-01	mg/kg		Y	5.09E-01	5.09E-01	4.72E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	62-53-3	Aniline	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	120-12-7	Anthracene	9.83E-03	mg/kg	U	N	ND	9.83E-03	3.28E-02
INORGANIC	SFB-23-295632	0.5	1.25	10/26/2023	Sb	Antimony	4.25E-01	mg/kg	J	Y	4.25E-01	4.25E-01	1.96E+00
INORGANIC	SFB-23-295632	0.5	1.25	10/26/2023	As	Arsenic	1.94E+00	mg/kg		Y	1.94E+00	1.94E+00	8.85E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	103-33-3	Azobenzene	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
INORGANIC	SFB-23-295632	0.5	1.25	10/26/2023	Ba	Barium	4.16E+03	mg/kg		Y	4.16E+03	4.16E+03	2.45E+00
VOC	SFB-23-295632	0.5	1.25	10/26/2023	71-43-2	Benzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	56-55-3	Benzo(a)anthracene	9.83E-03	mg/kg	U	N	ND	9.83E-03	3.28E-02
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	50-32-8	Benzo(a)pyrene	9.83E-03	mg/kg	U	N	ND	9.83E-03	3.28E-02
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	205-99-2	Benzo(b)fluoranthene	9.83E-03	mg/kg	U	N	ND	9.83E-03	3.28E-02
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	191-24-2	Benzo(g,h,i)perylene	9.83E-03	mg/kg	U	N	ND	9.83E-03	3.28E-02
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	207-08-9	Benzo(k)fluoranthene	9.83E-03	mg/kg	U	N	ND	9.83E-03	3.28E-02
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	65-85-0	Benzoic Acid	2.38E-01	mg/kg	J	Y	2.38E-01	2.38E-01	6.55E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	100-51-6	Benzyl Alcohol	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
INORGANIC	SFB-23-295632	0.5	1.25	10/26/2023	Be	Beryllium	8.09E-01	mg/kg		Y	8.09E-01	8.09E-01	8.85E-02
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	111-91-1	Bis(2-chloroethoxy)methane	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	111-44-4	Bis(2-chloroethyl)ether	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	117-81-7	Bis(2-ethylhexyl)phthalate	1.35E+00	mg/kg		Y	1.35E+00	1.35E+00	3.28E-02
VOC	SFB-23-295632	0.5	1.25	10/26/2023	108-86-1	Bromobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	74-97-5	Bromochloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	75-27-4	Bromodichloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	75-25-2	Bromoform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	74-83-9	Bromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	101-55-3	Bromophenyl-phenylether[4-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
VOC	SFB-23-295632	0.5	1.25	10/26/2023	78-93-3	Butanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	104-51-8	Butylbenzene[n-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	135-98-8	Butylbenzene[sec-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	98-06-6	Butylbenzene[tert-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	85-68-7	Butylbenzylphthalate	9.83E-03	mg/kg	U	N	ND	9.83E-03	3.28E-02
INORGANIC	SFB-23-295632	0.5	1.25	10/26/2023	Cd	Cadmium	9.78E-02	mg/kg	U	N	ND	9.78E-02	4.89E-01
INORGANIC	SFB-23-295632	0.5	1.25	10/26/2023	Ca	Calcium	1.81E+03	mg/kg		Y	1.81E+03	1.81E+03	2.45E+01
VOC	SFB-23-295632	0.5	1.25	10/26/2023	75-15-0	Carbon Disulfide	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	56-23-5	Carbon Tetrachloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	59-50-7	Chloro-3-methylphenol[4-]	1.31E-01	mg/kg	U	N	ND	1.31E-01	3.28E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	106-47-8	Chloroaniline[4-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
VOC	SFB-23-295632	0.5	1.25	10/26/2023	108-90-7	Chlorobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	124-48-1	Chlorodibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	75-00-3	Chloroethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	67-66-3	Chloroform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	74-87-3	Chloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	91-58-7	Chloronaphthalene[2-]	9.83E-03	mg/kg	U	N	ND	9.83E-03	3.28E-02
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	95-57-8	Chlorophenol[2-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	7005-72-3	Chlorophenyl-phenyl[4-] Ether	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
VOC	SFB-23-295632	0.5	1.25	10/26/2023	95-49-8	Chlorotoluene[2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	106-43-4	Chlorotoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295632	0.5	1.25	10/26/2023	Cr	Chromium	6.61E+00	mg/kg		Y	6.61E+00	6.61E+00	9.78E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	218-01-9	Chrysene	9.83E-03	mg/kg	U	N	ND	9.83E-03	3.28E-02
INORGANIC	SFB-23-295632	0.5	1.25	10/26/2023	Co	Cobalt	2.66E+00	mg/kg		Y	2.66E+00	2.66E+00	2.45E+00
INORGANIC	SFB-23-295632	0.5	1.25	10/26/2023	Cu	Copper	1.03E+01	mg/kg		Y	1.03E+01	1.03E+01	1.96E+00
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	53-70-3	Dibenz(a,h)anthracene	9.83E-03	mg/kg	U	N	ND	9.83E-03	3.28E-02
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	132-64-9	Dibenzofuran	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
VOC	SFB-23-295632	0.5	1.25	10/26/2023	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.00E-04	mg/kg	U	N	ND	5.00E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	106-93-4	Dibromoethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	74-95-3	Dibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
VOC	SFB-23-295632	0.5	1.25	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
VOC	SFB-23-295632	0.5	1.25	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	91-94-1	Dichlorobenzidine[3,3'-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
VOC	SFB-23-295632	0.5	1.25	10/26/2023	75-71-8	Dichlorodifluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	75-34-3	Dichloroethane[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	107-06-2	Dichloroethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	75-35-4	Dichloroethene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	156-59-2	Dichloroethene[cis-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	156-60-5	Dichloroethene[trans-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	120-83-2	Dichlorophenol[2,4-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
VOC	SFB-23-295632	0.5	1.25	10/26/2023	78-87-5	Dichloropropane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	142-28-9	Dichloropropane[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	594-20-7	Dichloropropane[2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	563-58-6	Dichloropropene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	10061-01-5	Dichloropropene[cis-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	10061-02-6	Dichloropropene[trans-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	84-66-2	Diethylphthalate	9.83E-03	mg/kg	U	N	ND	9.83E-03	3.28E-02
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	131-11-3	Dimethyl Phthalate	9.83E-03	mg/kg	U	N	ND	9.83E-03	3.28E-02
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	105-67-9	Dimethylphenol[2,4-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	84-74-2	Di-n-butylphthalate	1.38E-02	mg/kg	J	Y	1.38E-02	1.38E-02	3.28E-02
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	534-52-1	Dinitro-2-methylphenol[4,6-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295632	0.5	1.25	10/26/2023	99-65-0	Dinitrobenzene[1,3-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.72E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	51-28-5	Dinitrophenol[2,4-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	6.55E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295632	0.5	1.25	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.72E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295632	0.5	1.25	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.72E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	117-84-0	Di-n-octylphthalate	9.83E-03	mg/kg	U	N	ND	9.83E-03	3.28E-02
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	122-39-4	Diphenylamine	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.80E-01	ng/g	U	N	ND	3.80E-04	0.962
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.64E-01	ng/g	U	N	ND	2.64E-04	0.962
VOC	SFB-23-295632	0.5	1.25	10/26/2023	100-41-4	Ethylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	3.94E-01	ng/g	U	N	ND	3.94E-04	0.962
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	206-44-0	Fluoranthene	9.83E-03	mg/kg	U	N	ND	9.83E-03	3.28E-02
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	86-73-7	Fluorene	9.83E-03	mg/kg	U	N	ND	9.83E-03	3.28E-02
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	2.57E-04	mg/kg		Y	2.57E-04	2.57E-04	4.98E-06
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	37871-00-4	Heptachlorodibenzodioxins (Total)	4.17E-04	mg/kg		Y	4.17E-04	4.17E-04	4.98E-06
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	7.92E-05	mg/kg		Y	7.92E-05	7.92E-05	4.98E-06
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	5.38E-06	mg/kg		Y	5.38E-06	5.38E-06	4.98E-06
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	38998-75-3	Heptachlorodibenzofurans (Total)	1.99E-04	mg/kg		Y	1.99E-04	1.99E-04	4.98E-06
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	118-74-1	Hexachlorobenzene	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	87-68-3	Hexachlorobutadiene	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	77-47-4	Hexachlorocyclopentadiene	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	3.31E-06	mg/kg	J	Y	3.31E-06	3.31E-06	4.98E-06
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	9.13E-06	mg/kg		Y	9.13E-06	9.13E-06	4.98E-06
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	8.40E-06	mg/kg	K	Y	8.40E-06	8.40E-06	4.98E-06
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	34465-46-8	Hexachlorodibenzodioxins (Total)	5.36E-05	mg/kg	J	Y	5.36E-05	5.36E-05	4.98E-06
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	3.51E-06	mg/kg	J	Y	3.51E-06	3.51E-06	4.98E-06
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	3.04E-06	mg/kg	J	Y	3.04E-06	3.04E-06	4.98E-06
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	1.08E-06	mg/kg	U	N	ND	1.39E-06	4.98E-06
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	3.83E-06	mg/kg	J	Y	3.83E-06	3.83E-06	4.98E-06
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	55684-94-1	Hexachlorodibenzofurans (Total)	7.42E-05	mg/kg	J	Y	7.42E-05	7.42E-05	4.98E-06
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	67-72-1	Hexachloroethane	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
VOC	SFB-23-295632	0.5	1.25	10/26/2023	591-78-6	Hexanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
LCMS/MS HIGH EXPLOSIVES	SFB-23-295632	0.5	1.25	10/26/2023	2691-41-0	HMX	2.49E+01	mg/kg		Y	2.49E+01	2.49E+01	1.18E+01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	193-39-5	Indeno(1,2,3-cd)pyrene	9.83E-03	mg/kg	U	N	ND	9.83E-03	3.28E-02
VOC	SFB-23-295632	0.5	1.25	10/26/2023	74-88-4	Iodomethane	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295632	0.5	1.25	10/26/2023	Fe	Iron	1.04E+04	mg/kg		Y	1.04E+04	1.04E+04	2.45E+01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	78-59-1	Isophorone	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
VOC	SFB-23-295632	0.5	1.25	10/26/2023	98-82-8	Isopropylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	99-87-6	Isopropyltoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295632	0.5	1.25	10/26/2023	Pb	Lead	1.39E+01	mg/kg	*	Y	1.39E+01	1.39E+01	1.96E+00
INORGANIC	SFB-23-295632	0.5	1.25	10/26/2023	Mg	Magnesium	1.21E+03	mg/kg	N	Y	1.21E+03	1.21E+03	2.94E+01
INORGANIC	SFB-23-295632	0.5	1.25	10/26/2023	Mn	Manganese	2.66E+02	mg/kg	*	Y	2.66E+02	2.66E+02	9.78E-01
INORGANIC	SFB-23-295632	0.5	1.25	10/26/2023	Hg	Mercury	2.23E-02	mg/kg		Y	2.23E-02	2.23E-02	2.08E-02
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[M	3.75E-01	ng/g	U	N	ND	3.75E-04	0.962
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962
VOC	SFB-23-295632	0.5	1.25	10/26/2023	108-10-1	Methyl-2-pentanone[4-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	75-09-2	Methylene Chloride	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	91-57-6	Methylnaphthalene[2-]	9.83E-03	mg/kg	U	N	ND	9.83E-03	3.28E-02
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.18E-01	ng/g	U	N	ND	4.18E-04	0.962
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	95-48-7	Methylphenol[2-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	65794-96-9	Methylphenol[3-,4-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	91-20-3	Naphthalene	9.83E-03	mg/kg	U	N	ND	9.83E-03	3.28E-02
INORGANIC	SFB-23-295632	0.5	1.25	10/26/2023	Ni	Nickel	5.56E+00	mg/kg	*	Y	5.56E+00	5.56E+00	3.54E-01
GENERAL CHEMISTRY	SFB-23-295632	0.5	1.25	10/26/2023	NO3-N	Nitrate as Nitrogen	7.09E-01	mg/kg	J	Y	7.09E-01	7.09E-01	9.55E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	88-74-4	Nitroaniline[2-]	1.08E-01	mg/kg	U	N	ND	1.08E-01	3.28E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	99-09-2	Nitroaniline[3-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	100-01-6	Nitroaniline[4-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	98-95-3	Nitrobenzene	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295632	0.5	1.25	10/26/2023	98-95-3	Nitrobenzene	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.72E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	88-75-5	Nitrophenol[2-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	100-02-7	Nitrophenol[4-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	62-75-9	Nitrosodimethylamine[N-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	621-64-7	Nitroso-di-n-propylamine[N-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295632	0.5	1.25	10/26/2023	88-72-2	Nitrotoluene[2-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.72E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295632	0.5	1.25	10/26/2023	99-08-1	Nitrotoluene[3-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.72E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295632	0.5	1.25	10/26/2023	99-99-0	Nitrotoluene[4-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.72E-01
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.35E-03	mg/kg		Y	1.35E-03	1.35E-03	9.97E-06
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	2.03E-04	mg/kg		Y	2.03E-04	2.03E-04	9.97E-06
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	108-60-1	Oxybis(1-chloropropane)[2,2'-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	1.15E-06	mg/kg	J	Y	1.15E-06	1.15E-06	4.98E-06
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	36088-22-9	Pentachlorodibenzodioxins (Total)	5.57E-06	mg/kg	J	Y	5.57E-06	5.57E-06	4.98E-06
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	1.03E-06	mg/kg	JK	Y	1.03E-06	1.03E-06	4.98E-06
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	8.81E-07	mg/kg	JK	Y	8.81E-07	8.81E-07	4.98E-06
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	30402-15-4	Pentachlorodibenzofurans (Totals)	1.15E-05	mg/kg	J	Y	1.15E-05	1.15E-05	4.98E-06
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	87-86-5	Pentachlorophenol	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
LCMS/MS	SFB-23-295632	0.5	1.25	10/26/2023	ClO4	Perchlorate	4.95E-04	mg/kg	U	N	ND	4.95E-04	1.98E-03
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.78E-01	ng/g	U	N	ND	1.78E-04	0.457
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	375-73-5	Perfluorobutanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.428
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	375-22-4	Perfluorobutanoic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	335-77-3	Perfluorodecane sulfonate	1.59E-01	ng/g	U	N	ND	1.59E-04	0.466
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	335-76-2	Perfluorodecanoic acid	3.56E-01	ng/g	U	N	ND	3.56E-04	0.962
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	79780-39-5	Perfluorododecanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.465
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	307-55-1	Perfluorododecanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	375-85-9	Perfluoroheptanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	355-46-4	Perfluorohexanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.438

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	307-24-4	Perfluorohexanoic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	68259-12-1	Perfluorononanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.462
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	375-95-1	Perfluorononanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	1763-23-1	Perfluorooctanesulfonic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	335-67-1	Perfluorooctanoic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	2706-91-4	Perfluoropentanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.452
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	2706-90-3	Perfluoropentanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	376-06-7	Perfluorotetradecanoic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	72629-94-8	Perfluorotridecanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	2058-94-8	Perfluoroundecanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
LCMS/MS HIGH EXPLOSIVES	SFB-23-295632	0.5	1.25	10/26/2023	78-11-5	PETN	2.36E-01	mg/kg	U	N	ND	2.36E-01	9.43E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	85-01-8	Phenanthrene	9.83E-03	mg/kg	U	N	ND	9.83E-03	3.28E-02
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	108-95-2	Phenol	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
INORGANIC	SFB-23-295632	0.5	1.25	10/26/2023	K	Potassium	1.07E+03	mg/kg	N	Y	1.07E+03	1.07E+03	2.45E+01
VOC	SFB-23-295632	0.5	1.25	10/26/2023	103-65-1	Propylbenzene[1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	129-00-0	Pyrene	9.83E-03	mg/kg	U	N	ND	9.83E-03	3.28E-02
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	110-86-1	Pyridine	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295632	0.5	1.25	10/26/2023	121-82-4	RDX	4.87E+01	mg/kg		Y	4.87E+01	4.87E+01	1.18E+01
INORGANIC	SFB-23-295632	0.5	1.25	10/26/2023	Se	Selenium	6.00E-01	mg/kg	J	Y	6.00E-01	6.00E-01	8.85E-01
INORGANIC	SFB-23-295632	0.5	1.25	10/26/2023	Ag	Silver	2.35E+00	mg/kg		Y	2.35E+00	2.35E+00	4.89E-01
INORGANIC	SFB-23-295632	0.5	1.25	10/26/2023	Na	Sodium	7.91E+01	mg/kg	N	Y	7.91E+01	7.91E+01	2.45E+01
VOC	SFB-23-295632	0.5	1.25	10/26/2023	100-42-5	Styrene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295632	0.5	1.25	10/26/2023	3058-38-6	TATB	7.21E-01	mg/kg	J	Y	7.21E-01	7.21E-01	9.43E-01
GENERAL CHEMISTRY	SFB-23-295632	0.5	1.25	10/26/2023	TEMP	Temperature	3.40E+00	deg C		Y		0.00E+00	
GENERAL CHEMISTRY	SFB-23-295632	0.5	1.25	10/26/2023	TEMP	Temperature	5.00E+00	deg C		Y		0.00E+00	
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	2.91E-07	mg/kg	U	N	ND	2.66E-07	9.97E-07
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	41903-57-5	Tetrachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	2.66E-07	9.97E-07
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	7.18E-07	mg/kg	JK	Y	7.18E-07	7.18E-07	9.97E-07
HRGC/HRMS	SFB-23-295632	0.5	1.25	10/26/2023	55722-27-5	Tetrachlorodibenzofurans (Totals)	2.57E-06	mg/kg	J	Y	2.57E-06	2.57E-06	9.97E-07
VOC	SFB-23-295632	0.5	1.25	10/26/2023	630-20-6	Tetrachloroethane[1,1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	79-34-5	Tetrachloroethane[1,1,2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	127-18-4	Tetrachloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295632	0.5	1.25	10/26/2023	479-45-8	Tetryl	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.72E-01
INORGANIC	SFB-23-295632	0.5	1.25	10/26/2023	Tl	Thallium	2.03E-01	mg/kg	J	Y	2.03E-01	2.03E-01	3.54E-01
VOC	SFB-23-295632	0.5	1.25	10/26/2023	108-88-3	Toluene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
TPH	SFB-23-295632	0.5	1.25	10/26/2023	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	1.79E+01	mg/kg		Y	1.79E+01	1.79E+01	6.62E+00
TPH	SFB-23-295632	0.5	1.25	10/26/2023	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	1.67E+00	mg/kg	U	N	ND	1.67E+00	1.00E+01
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	PFAS-Tot-37a	Total PFAS 37a	0.00E+00	ng/g	U	N	ND	1.59E-04	4.28E-01
PFAS	SFB-23-295632	0.5	1.25	10/26/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
VOC	SFB-23-295632	0.5	1.25	10/26/2023	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	120-82-1	Trichlorobenzene[1,2,4-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
VOC	SFB-23-295632	0.5	1.25	10/26/2023	71-55-6	Trichloroethane[1,1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	79-00-5	Trichloroethane[1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	79-01-6	Trichloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	75-69-4	Trichlorofluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	95-95-4	Trichlorophenol[2,4,5-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
SVOC	SFB-23-295632	0.5	1.25	10/26/2023	88-06-2	Trichlorophenol[2,4,6-]	9.83E-02	mg/kg	U	N	ND	9.83E-02	3.28E-01
VOC	SFB-23-295632	0.5	1.25	10/26/2023	96-18-4	Trichloropropane[1,2,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	95-63-6	Trimethylbenzene[1,2,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	108-67-8	Trimethylbenzene[1,3,5-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295632	0.5	1.25	10/26/2023	99-35-4	Trinitrobenzene[1,3,5-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.72E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295632	0.5	1.25	10/26/2023	118-96-7	Trinitrotoluene[2,4,6-]	1.26E+00	mg/kg		Y	1.26E+00	1.26E+00	4.72E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295632	0.5	1.25	10/26/2023	78-30-8	Tris (o-cresyl) phosphate	2.83E-01	mg/kg	U	N	ND	2.83E-01	9.43E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
INORGANIC	SFB-23-295632	0.5	1.25	10/26/2023	V	Vanadium	1.46E+01	mg/kg		Y	1.46E+01	1.46E+01	4.89E-01
VOC	SFB-23-295632	0.5	1.25	10/26/2023	75-01-4	Vinyl Chloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	95-47-6	Xylene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295632	0.5	1.25	10/26/2023	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.67E-04	mg/kg	U	N	ND	6.67E-04	2.00E-03
INORGANIC	SFB-23-295632	0.5	1.25	10/26/2023	Zn	Zinc	8.57E+01	mg/kg		Y	8.57E+01	8.57E+01	1.96E+00
PFAS	SFB-23-295633	0	0.5	10/26/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.59E-01	ng/g	U	N	ND	1.59E-04	0.453
PFAS	SFB-23-295633	0	0.5	10/26/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.70E-01	ng/g	U	N	ND	3.70E-04	0.923
PFAS	SFB-23-295633	0	0.5	10/26/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	3.17E-01	ng/g	U	N	ND	3.17E-04	0.923
PFAS	SFB-23-295633	0	0.5	10/26/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	3.85E-01	ng/g	U	N	ND	3.85E-04	0.904
PFAS	SFB-23-295633	0	0.5	10/26/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.29E+00	ng/g	U	N	ND	1.29E-03	3.61
LCMS/MS HIGH EXPLOSIVES	SFB-23-295633	0	0.5	10/26/2023	6629-29-4	2,4-Diamino-6-nitrotoluene	4.95E-01	mg/kg	U	N	ND	4.95E-01	1.98E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295633	0	0.5	10/26/2023	59229-75-3	2,6-Diamino-4-nitrotoluene	6.53E-01	mg/kg	U	N	ND	6.53E-01	1.98E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295633	0	0.5	10/26/2023	618-87-1	3,5-Dinitroaniline	2.97E-01	mg/kg	U	N	ND	2.97E-01	9.90E-01
PFAS	SFB-23-295633	0	0.5	10/26/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962
PFAS	SFB-23-295633	0	0.5	10/26/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962
PFAS	SFB-23-295633	0	0.5	10/26/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962
PFAS	SFB-23-295633	0	0.5	10/26/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295633	0	0.5	10/26/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.59E-01	ng/g	U	N	ND	1.59E-04	0.448
SVOC	SFB-23-295633	0	0.5	10/26/2023	83-32-9	Acenaphthene	9.86E-03	mg/kg	U	N	ND	9.86E-03	3.29E-02
SVOC	SFB-23-295633	0	0.5	10/26/2023	208-96-8	Acenaphthylene	9.86E-03	mg/kg	U	N	ND	9.86E-03	3.29E-02
VOC	SFB-23-295633	0	0.5	10/26/2023	67-64-1	Acetone	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295633	0	0.5	10/26/2023	Al	Aluminum	2.33E+03	mg/kg		Y	2.33E+03	2.33E+03	1.75E+01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295633	0	0.5	10/26/2023	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295633	0	0.5	10/26/2023	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	62-53-3	Aniline	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	120-12-7	Anthracene	9.86E-03	mg/kg	U	N	ND	9.86E-03	3.29E-02
INORGANIC	SFB-23-295633	0	0.5	10/26/2023	Sb	Antimony	2.88E-01	mg/kg	U	N	ND	2.88E-01	1.75E+00
INORGANIC	SFB-23-295633	0	0.5	10/26/2023	As	Arsenic	8.34E-01	mg/kg	J	Y	8.34E-01	8.34E-01	8.67E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	103-33-3	Azobenzene	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
INORGANIC	SFB-23-295633	0	0.5	10/26/2023	Ba	Barium	7.06E+02	mg/kg		Y	7.06E+02	7.06E+02	4.37E-01
VOC	SFB-23-295633	0	0.5	10/26/2023	71-43-2	Benzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295633	0	0.5	10/26/2023	56-55-3	Benzo(a)anthracene	9.86E-03	mg/kg	U	N	ND	9.86E-03	3.29E-02
SVOC	SFB-23-295633	0	0.5	10/26/2023	50-32-8	Benzo(a)pyrene	9.86E-03	mg/kg	U	N	ND	9.86E-03	3.29E-02
SVOC	SFB-23-295633	0	0.5	10/26/2023	205-99-2	Benzo(b)fluoranthene	9.86E-03	mg/kg	U	N	ND	9.86E-03	3.29E-02
SVOC	SFB-23-295633	0	0.5	10/26/2023	191-24-2	Benzo(g,h,i)perylene	9.86E-03	mg/kg	U	N	ND	9.86E-03	3.29E-02
SVOC	SFB-23-295633	0	0.5	10/26/2023	207-08-9	Benzo(k)fluoranthene	9.86E-03	mg/kg	U	N	ND	9.86E-03	3.29E-02
SVOC	SFB-23-295633	0	0.5	10/26/2023	65-85-0	Benzoic Acid	1.64E-01	mg/kg	U	N	ND	1.64E-01	6.57E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	100-51-6	Benzyl Alcohol	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
INORGANIC	SFB-23-295633	0	0.5	10/26/2023	Be	Beryllium	4.35E-01	mg/kg		Y	4.35E-01	4.35E-01	8.67E-02
SVOC	SFB-23-295633	0	0.5	10/26/2023	111-91-1	Bis(2-chloroethoxy)methane	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	111-44-4	Bis(2-chloroethyl)ether	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	117-81-7	Bis(2-ethylhexyl)phthalate	3.22E-02	mg/kg	J	Y	3.22E-02	3.22E-02	3.29E-02
VOC	SFB-23-295633	0	0.5	10/26/2023	108-86-1	Bromobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	74-97-5	Bromochloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	75-27-4	Bromodichloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	75-25-2	Bromoform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	74-83-9	Bromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295633	0	0.5	10/26/2023	101-55-3	Bromophenyl-phenylether[4-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
VOC	SFB-23-295633	0	0.5	10/26/2023	78-93-3	Butanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	104-51-8	Butylbenzene[n-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	135-98-8	Butylbenzene[sec-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	98-06-6	Butylbenzene[tert-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295633	0	0.5	10/26/2023	85-68-7	Butylbenzylphthalate	9.86E-03	mg/kg	U	N	ND	9.86E-03	3.29E-02
INORGANIC	SFB-23-295633	0	0.5	10/26/2023	Cd	Cadmium	8.74E-02	mg/kg	U	N	ND	8.74E-02	4.37E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
INORGANIC	SFB-23-295633	0	0.5	10/26/2023	Ca	Calcium	1.08E+03	mg/kg		Y	1.08E+03	1.08E+03	2.19E+01
VOC	SFB-23-295633	0	0.5	10/26/2023	75-15-0	Carbon Disulfide	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	56-23-5	Carbon Tetrachloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295633	0	0.5	10/26/2023	59-50-7	Chloro-3-methylphenol[4-]	1.31E-01	mg/kg	U	N	ND	1.31E-01	3.29E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	106-47-8	Chloroaniline[4-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
VOC	SFB-23-295633	0	0.5	10/26/2023	108-90-7	Chlorobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	124-48-1	Chlorodibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	75-00-3	Chloroethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	67-66-3	Chloroform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	74-87-3	Chloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295633	0	0.5	10/26/2023	91-58-7	Chloronaphthalene[2-]	9.86E-03	mg/kg	U	N	ND	9.86E-03	3.29E-02
SVOC	SFB-23-295633	0	0.5	10/26/2023	95-57-8	Chlorophenol[2-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	7005-72-3	Chlorophenyl-phenyl[4-] Ether	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
VOC	SFB-23-295633	0	0.5	10/26/2023	95-49-8	Chlorotoluene[2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	106-43-4	Chlorotoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295633	0	0.5	10/26/2023	Cr	Chromium	3.14E+00	mg/kg		Y	3.14E+00	3.14E+00	8.74E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	218-01-9	Chrysene	9.86E-03	mg/kg	U	N	ND	9.86E-03	3.29E-02
INORGANIC	SFB-23-295633	0	0.5	10/26/2023	Co	Cobalt	1.04E+00	mg/kg		Y	1.04E+00	1.04E+00	4.37E-01
INORGANIC	SFB-23-295633	0	0.5	10/26/2023	Cu	Copper	2.64E+00	mg/kg		Y	2.64E+00	2.64E+00	1.75E+00
SVOC	SFB-23-295633	0	0.5	10/26/2023	53-70-3	Dibenz(a,h)anthracene	9.86E-03	mg/kg	U	N	ND	9.86E-03	3.29E-02
SVOC	SFB-23-295633	0	0.5	10/26/2023	132-64-9	Dibenzofuran	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
VOC	SFB-23-295633	0	0.5	10/26/2023	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.00E-04	mg/kg	U	N	ND	5.00E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	106-93-4	Dibromoethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	74-95-3	Dibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295633	0	0.5	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
VOC	SFB-23-295633	0	0.5	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295633	0	0.5	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
VOC	SFB-23-295633	0	0.5	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295633	0	0.5	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
VOC	SFB-23-295633	0	0.5	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295633	0	0.5	10/26/2023	91-94-1	Dichlorobenzidine[3,3'-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
VOC	SFB-23-295633	0	0.5	10/26/2023	75-71-8	Dichlorodifluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	75-34-3	Dichloroethane[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	107-06-2	Dichloroethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	75-35-4	Dichloroethene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	156-59-2	Dichloroethene[cis-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	156-60-5	Dichloroethene[trans-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295633	0	0.5	10/26/2023	120-83-2	Dichlorophenol[2,4-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
VOC	SFB-23-295633	0	0.5	10/26/2023	78-87-5	Dichloropropane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	142-28-9	Dichloropropane[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	594-20-7	Dichloropropane[2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	563-58-6	Dichloropropene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	10061-01-5	Dichloropropene[cis-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	10061-02-6	Dichloropropene[trans-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295633	0	0.5	10/26/2023	84-66-2	Diethylphthalate	9.86E-03	mg/kg	U	N	ND	9.86E-03	3.29E-02
SVOC	SFB-23-295633	0	0.5	10/26/2023	131-11-3	Dimethyl Phthalate	9.86E-03	mg/kg	U	N	ND	9.86E-03	3.29E-02
SVOC	SFB-23-295633	0	0.5	10/26/2023	105-67-9	Dimethylphenol[2,4-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	84-74-2	Di-n-butylphthalate	9.86E-03	mg/kg	U	N	ND	9.86E-03	3.29E-02
SVOC	SFB-23-295633	0	0.5	10/26/2023	534-52-1	Dinitro-2-methylphenol[4,6-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295633	0	0.5	10/26/2023	99-65-0	Dinitrobenzene[1,3-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	51-28-5	Dinitrophenol[2,4-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	6.57E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295633	0	0.5	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
LCMS/MS HIGH EXPLOSIVES	SFB-23-295633	0	0.5	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	117-84-0	Di-n-octylphthalate	9.86E-03	mg/kg	U	N	ND	9.86E-03	3.29E-02
SVOC	SFB-23-295633	0	0.5	10/26/2023	122-39-4	Diphenylamine	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
PFAS	SFB-23-295633	0	0.5	10/26/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.80E-01	ng/g	U	N	ND	3.80E-04	0.962
PFAS	SFB-23-295633	0	0.5	10/26/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.64E-01	ng/g	U	N	ND	2.64E-04	0.962
VOC	SFB-23-295633	0	0.5	10/26/2023	100-41-4	Ethylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
PFAS	SFB-23-295633	0	0.5	10/26/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	3.94E-01	ng/g	U	N	ND	3.94E-04	0.962
SVOC	SFB-23-295633	0	0.5	10/26/2023	206-44-0	Fluoranthene	9.86E-03	mg/kg	U	N	ND	9.86E-03	3.29E-02
SVOC	SFB-23-295633	0	0.5	10/26/2023	86-73-7	Fluorene	9.86E-03	mg/kg	U	N	ND	9.86E-03	3.29E-02
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	6.81E-07	mg/kg	JK	Y	6.81E-07	6.81E-07	4.98E-06
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	37871-00-4	Heptachlorodibenzodioxins (Total)	5.64E-07	mg/kg	J	Y	5.64E-07	5.64E-07	4.98E-06
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	4.98E-07	mg/kg	U	N	ND	1.23E-06	4.98E-06
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.98E-07	mg/kg	U	N	ND	1.18E-06	4.98E-06
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	38998-75-3	Heptachlorodibenzofurans (Total)	0.00E+00	mg/kg	U	N	ND	1.18E-06	4.98E-06
SVOC	SFB-23-295633	0	0.5	10/26/2023	118-74-1	Hexachlorobenzene	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	87-68-3	Hexachlorobutadiene	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	77-47-4	Hexachlorocyclopentadiene	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.98E-07	mg/kg	U	N	ND	1.24E-06	4.98E-06
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.98E-07	mg/kg	U	N	ND	1.15E-06	4.98E-06
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.98E-07	mg/kg	U	N	ND	1.35E-06	4.98E-06
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	34465-46-8	Hexachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	1.15E-06	4.98E-06
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	4.98E-07	mg/kg	U	N	ND	1.13E-06	4.98E-06
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.98E-07	mg/kg	U	N	ND	9.95E-07	4.98E-06
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.98E-07	mg/kg	U	N	ND	1.39E-06	4.98E-06
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.98E-07	mg/kg	U	N	ND	1.20E-06	4.98E-06
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	55684-94-1	Hexachlorodibenzofurans (Total)	0.00E+00	mg/kg	U	N	ND	9.95E-07	4.98E-06
SVOC	SFB-23-295633	0	0.5	10/26/2023	67-72-1	Hexachloroethane	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
PFAS	SFB-23-295633	0	0.5	10/26/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
VOC	SFB-23-295633	0	0.5	10/26/2023	591-78-6	Hexanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295633	0	0.5	10/26/2023	2691-41-0	HMX	3.40E+00	mg/kg		Y	3.40E+00	3.40E+00	4.95E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	193-39-5	Indeno(1,2,3-cd)pyrene	9.86E-03	mg/kg	U	N	ND	9.86E-03	3.29E-02
VOC	SFB-23-295633	0	0.5	10/26/2023	74-88-4	Iodomethane	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295633	0	0.5	10/26/2023	Fe	Iron	8.23E+03	mg/kg		Y	8.23E+03	8.23E+03	2.19E+01
SVOC	SFB-23-295633	0	0.5	10/26/2023	78-59-1	Isophorone	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
VOC	SFB-23-295633	0	0.5	10/26/2023	98-82-8	Isopropylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	99-87-6	Isopropyltoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295633	0	0.5	10/26/2023	Pb	Lead	5.87E+00	mg/kg	*	Y	5.87E+00	5.87E+00	1.75E+00
INORGANIC	SFB-23-295633	0	0.5	10/26/2023	Mg	Magnesium	6.38E+02	mg/kg	N	Y	6.38E+02	6.38E+02	2.62E+01
INORGANIC	SFB-23-295633	0	0.5	10/26/2023	Mn	Manganese	2.08E+02	mg/kg	*	Y	2.08E+02	2.08E+02	8.74E-01
INORGANIC	SFB-23-295633	0	0.5	10/26/2023	Hg	Mercury	7.23E-03	mg/kg	U	N	ND	7.23E-03	2.16E-02
PFAS	SFB-23-295633	0	0.5	10/26/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[N	3.75E-01	ng/g	U	N	ND	3.75E-04	0.962
PFAS	SFB-23-295633	0	0.5	10/26/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962
VOC	SFB-23-295633	0	0.5	10/26/2023	108-10-1	Methyl-2-pentanone[4-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	75-09-2	Methylene Chloride	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295633	0	0.5	10/26/2023	91-57-6	Methylnaphthalene[2-]	9.86E-03	mg/kg	U	N	ND	9.86E-03	3.29E-02
PFAS	SFB-23-295633	0	0.5	10/26/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.18E-01	ng/g	U	N	ND	4.18E-04	0.962
SVOC	SFB-23-295633	0	0.5	10/26/2023	95-48-7	Methylphenol[2-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	65794-96-9	Methylphenol[3-,4-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	91-20-3	Naphthalene	9.86E-03	mg/kg	U	N	ND	9.86E-03	3.29E-02
INORGANIC	SFB-23-295633	0	0.5	10/26/2023	Ni	Nickel	2.54E+00	mg/kg	*	Y	2.54E+00	2.54E+00	3.47E-01
GENERAL CHEMISTRY	SFB-23-295633	0	0.5	10/26/2023	NO3-N	Nitrate as Nitrogen	8.32E+00	mg/kg		Y	8.32E+00	8.32E+00	9.62E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	88-74-4	Nitroaniline[2-]	1.08E-01	mg/kg	U	N	ND	1.08E-01	3.29E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	99-09-2	Nitroaniline[3-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	100-01-6	Nitroaniline[4-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295633	0	0.5	10/26/2023	98-95-3	Nitrobenzene	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295633	0	0.5	10/26/2023	98-95-3	Nitrobenzene	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	88-75-5	Nitrophenol[2-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	100-02-7	Nitrophenol[4-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	62-75-9	Nitrosodimethylamine[N-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	621-64-7	Nitroso-di-n-propylamine[N-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295633	0	0.5	10/26/2023	88-72-2	Nitrotoluene[2-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295633	0	0.5	10/26/2023	99-08-1	Nitrotoluene[3-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295633	0	0.5	10/26/2023	99-99-0	Nitrotoluene[4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	2.72E-06	mg/kg	J	Y	2.72E-06	2.72E-06	9.96E-06
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	9.96E-07	mg/kg	U	N	ND	4.63E-06	9.96E-06
SVOC	SFB-23-295633	0	0.5	10/26/2023	108-60-1	Oxybis(1-chloropropane)[2,2'-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.98E-07	mg/kg	U	N	ND	1.30E-06	4.98E-06
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	36088-22-9	Pentachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	1.30E-06	4.98E-06
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	4.98E-07	mg/kg	U	N	ND	1.15E-06	4.98E-06
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.98E-07	mg/kg	U	N	ND	1.29E-06	4.98E-06
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	30402-15-4	Pentachlorodibenzofurans (Totals)	0.00E+00	mg/kg	U	N	ND	1.15E-06	4.98E-06
SVOC	SFB-23-295633	0	0.5	10/26/2023	87-86-5	Pentachlorophenol	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
LCMS/MS	SFB-23-295633	0	0.5	10/26/2023	ClO4	Perchlorate	1.86E-03	mg/kg	J	Y	1.86E-03	1.86E-03	1.93E-03
PFAS	SFB-23-295633	0	0.5	10/26/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.78E-01	ng/g	U	N	ND	1.78E-04	0.457
PFAS	SFB-23-295633	0	0.5	10/26/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295633	0	0.5	10/26/2023	375-73-5	Perfluorobutanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.428
PFAS	SFB-23-295633	0	0.5	10/26/2023	375-22-4	Perfluorobutanoic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295633	0	0.5	10/26/2023	335-77-3	Perfluorodecane sulfonate	1.59E-01	ng/g	U	N	ND	1.59E-04	0.466
PFAS	SFB-23-295633	0	0.5	10/26/2023	335-76-2	Perfluorodecanoic acid	3.56E-01	ng/g	U	N	ND	3.56E-04	0.962
PFAS	SFB-23-295633	0	0.5	10/26/2023	79780-39-5	Perfluorododecanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.465
PFAS	SFB-23-295633	0	0.5	10/26/2023	307-55-1	Perfluorododecanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295633	0	0.5	10/26/2023	375-85-9	Perfluoroheptanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295633	0	0.5	10/26/2023	355-46-4	Perfluorohexanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.438
PFAS	SFB-23-295633	0	0.5	10/26/2023	307-24-4	Perfluorohexanoic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295633	0	0.5	10/26/2023	68259-12-1	Perfluorononanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.462
PFAS	SFB-23-295633	0	0.5	10/26/2023	375-95-1	Perfluorononanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295633	0	0.5	10/26/2023	1763-23-1	Perfluorooctanesulfonic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295633	0	0.5	10/26/2023	335-67-1	Perfluorooctanoic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295633	0	0.5	10/26/2023	2706-91-4	Perfluoropentanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.452
PFAS	SFB-23-295633	0	0.5	10/26/2023	2706-90-3	Perfluoropentanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295633	0	0.5	10/26/2023	376-06-7	Perfluorotetradecanoic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295633	0	0.5	10/26/2023	72629-94-8	Perfluorotridecanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295633	0	0.5	10/26/2023	2058-94-8	Perfluoroundecanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
LCMS/MS HIGH EXPLOSIVES	SFB-23-295633	0	0.5	10/26/2023	78-11-5	PETN	2.48E-01	mg/kg	U	N	ND	2.48E-01	9.90E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	85-01-8	Phenanthrene	9.86E-03	mg/kg	U	N	ND	9.86E-03	3.29E-02
SVOC	SFB-23-295633	0	0.5	10/26/2023	108-95-2	Phenol	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
INORGANIC	SFB-23-295633	0	0.5	10/26/2023	K	Potassium	4.99E+02	mg/kg	N	Y	4.99E+02	4.99E+02	2.19E+01
VOC	SFB-23-295633	0	0.5	10/26/2023	103-65-1	Propylbenzene[1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295633	0	0.5	10/26/2023	129-00-0	Pyrene	9.86E-03	mg/kg	U	N	ND	9.86E-03	3.29E-02
SVOC	SFB-23-295633	0	0.5	10/26/2023	110-86-1	Pyridine	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295633	0	0.5	10/26/2023	121-82-4	RDX	6.50E+00	mg/kg	J	Y	6.50E+00	6.50E+00	1.24E+01
INORGANIC	SFB-23-295633	0	0.5	10/26/2023	Se	Selenium	6.02E-01	mg/kg	J	Y	6.02E-01	6.02E-01	8.67E-01
INORGANIC	SFB-23-295633	0	0.5	10/26/2023	Ag	Silver	3.86E+00	mg/kg		Y	3.86E+00	3.86E+00	4.37E-01
INORGANIC	SFB-23-295633	0	0.5	10/26/2023	Na	Sodium	1.76E+02	mg/kg	N	Y	1.76E+02	1.76E+02	2.19E+01
VOC	SFB-23-295633	0	0.5	10/26/2023	100-42-5	Styrene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295633	0	0.5	10/26/2023	3058-38-6	TATB	4.50E-01	mg/kg	J	Y	4.50E-01	4.50E-01	9.90E-01
GENERAL CHEMISTRY	SFB-23-295633	0	0.5	10/26/2023	TEMP	Temperature	3.40E+00	deg C		Y		0.00E+00	
GENERAL CHEMISTRY	SFB-23-295633	0	0.5	10/26/2023	TEMP	Temperature	5.00E+00	deg C		Y		0.00E+00	

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	1.80E-07	mg/kg	U	N	ND	2.65E-07	9.96E-07
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	41903-57-5	Tetrachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	2.65E-07	9.96E-07
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	2.65E-07	mg/kg	J	Y	2.65E-07	2.65E-07	9.96E-07
HRGC/HRMS	SFB-23-295633	0	0.5	10/26/2023	55722-27-5	Tetrachlorodibenzofurans (Totals)	2.65E-07	mg/kg	J	Y	2.65E-07	2.65E-07	9.96E-07
VOC	SFB-23-295633	0	0.5	10/26/2023	630-20-6	Tetrachloroethane[1,1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	79-34-5	Tetrachloroethane[1,1,2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	127-18-4	Tetrachloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295633	0	0.5	10/26/2023	479-45-8	Tetryl	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
INORGANIC	SFB-23-295633	0	0.5	10/26/2023	Tl	Thallium	1.21E-01	mg/kg	U	N	ND	1.21E-01	3.47E-01
VOC	SFB-23-295633	0	0.5	10/26/2023	108-88-3	Toluene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
TPH	SFB-23-295633	0	0.5	10/26/2023	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	5.09E+00	mg/kg	J	Y	5.09E+00	5.09E+00	6.57E+00
TPH	SFB-23-295633	0	0.5	10/26/2023	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	1.67E+00	mg/kg	U	N	ND	1.67E+00	1.00E+01
PFAS	SFB-23-295633	0	0.5	10/26/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295633	0	0.5	10/26/2023	PFAS-Tot-37a	Total PFAS 37a	0.00E+00	ng/g	U	N	ND	1.59E-04	4.28E-01
PFAS	SFB-23-295633	0	0.5	10/26/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
VOC	SFB-23-295633	0	0.5	10/26/2023	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295633	0	0.5	10/26/2023	120-82-1	Trichlorobenzene[1,2,4-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
VOC	SFB-23-295633	0	0.5	10/26/2023	71-55-6	Trichloroethane[1,1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	79-00-5	Trichloroethane[1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	79-01-6	Trichloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	75-69-4	Trichlorofluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295633	0	0.5	10/26/2023	95-95-4	Trichlorophenol[2,4,5-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
SVOC	SFB-23-295633	0	0.5	10/26/2023	88-06-2	Trichlorophenol[2,4,6-]	9.86E-02	mg/kg	U	N	ND	9.86E-02	3.29E-01
VOC	SFB-23-295633	0	0.5	10/26/2023	96-18-4	Trichloropropane[1,2,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	95-63-6	Trimethylbenzene[1,2,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	108-67-8	Trimethylbenzene[1,3,5-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295633	0	0.5	10/26/2023	99-35-4	Trinitrobenzene[1,3,5-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295633	0	0.5	10/26/2023	118-96-7	Trinitrotoluene[2,4,6-]	2.31E-01	mg/kg	J	Y	2.31E-01	2.31E-01	4.95E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295633	0	0.5	10/26/2023	78-30-8	Tris (o-cresyl) phosphate	2.97E-01	mg/kg	U	N	ND	2.97E-01	9.90E-01
INORGANIC	SFB-23-295633	0	0.5	10/26/2023	V	Vanadium	6.25E+00	mg/kg		Y	6.25E+00	6.25E+00	4.37E-01
VOC	SFB-23-295633	0	0.5	10/26/2023	75-01-4	Vinyl Chloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	95-47-6	Xylene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295633	0	0.5	10/26/2023	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.67E-04	mg/kg	U	N	ND	6.67E-04	2.00E-03
INORGANIC	SFB-23-295633	0	0.5	10/26/2023	Zn	Zinc	3.24E+01	mg/kg		Y	3.24E+01	3.24E+01	1.75E+00
PFAS	SFB-23-295634	0	0.5	10/26/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.58E-01	ng/g	U	N	ND	1.58E-04	0.451
PFAS	SFB-23-295634	0	0.5	10/26/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.68E-01	ng/g	U	N	ND	3.68E-04	0.919
PFAS	SFB-23-295634	0	0.5	10/26/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	3.16E-01	ng/g	U	N	ND	3.16E-04	0.919
PFAS	SFB-23-295634	0	0.5	10/26/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	3.83E-01	ng/g	U	N	ND	3.83E-04	0.900
PFAS	SFB-23-295634	0	0.5	10/26/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.29E+00	ng/g	U	N	ND	1.29E-03	3.59
LCMS/MS HIGH EXPLOSIVES	SFB-23-295634	0	0.5	10/26/2023	6629-29-4	2,4-Diamino-6-nitrotoluene	4.98E-01	mg/kg	U	N	ND	4.98E-01	1.99E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295634	0	0.5	10/26/2023	59229-75-3	2,6-Diamino-4-nitrotoluene	6.57E-01	mg/kg	U	N	ND	6.57E-01	1.99E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295634	0	0.5	10/26/2023	618-87-1	3,5-Dinitroaniline	2.99E-01	mg/kg	U	N	ND	2.99E-01	9.95E-01
PFAS	SFB-23-295634	0	0.5	10/26/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.16E-01	ng/g	U	N	ND	3.16E-04	0.957
PFAS	SFB-23-295634	0	0.5	10/26/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.16E-01	ng/g	U	N	ND	3.16E-04	0.957
PFAS	SFB-23-295634	0	0.5	10/26/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.16E-01	ng/g	U	N	ND	3.16E-04	0.957
PFAS	SFB-23-295634	0	0.5	10/26/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.58E-01	ng/g	U	N	ND	1.58E-04	0.478
PFAS	SFB-23-295634	0	0.5	10/26/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.58E-01	ng/g	U	N	ND	1.58E-04	0.446
SVOC	SFB-23-295634	0	0.5	10/26/2023	83-32-9	Acenaphthene	9.80E-03	mg/kg	U	N	ND	9.80E-03	3.27E-02
SVOC	SFB-23-295634	0	0.5	10/26/2023	208-96-8	Acenaphthylene	9.80E-03	mg/kg	U	N	ND	9.80E-03	3.27E-02
VOC	SFB-23-295634	0	0.5	10/26/2023	67-64-1	Acetone	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295634	0	0.5	10/26/2023	Al	Aluminum	9.12E+03	mg/kg		Y	9.12E+03	9.12E+03	1.77E+01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295634	0	0.5	10/26/2023	19406-51-0	Amino-2,6-dinitrotoluene[4-]	3.54E-01	mg/kg	J	Y	3.54E-01	3.54E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295634	0	0.5	10/26/2023	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	62-53-3	Aniline	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295634	0	0.5	10/26/2023	120-12-7	Anthracene	9.80E-03	mg/kg	U	N	ND	9.80E-03	3.27E-02
INORGANIC	SFB-23-295634	0	0.5	10/26/2023	Sb	Antimony	4.62E-01	mg/kg	J	Y	4.62E-01	4.62E-01	1.77E+00
INORGANIC	SFB-23-295634	0	0.5	10/26/2023	As	Arsenic	2.62E+00	mg/kg		Y	2.62E+00	2.62E+00	8.62E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	103-33-3	Azobenzene	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
INORGANIC	SFB-23-295634	0	0.5	10/26/2023	Ba	Barium	1.44E+03	mg/kg		Y	1.44E+03	1.44E+03	2.22E+00
VOC	SFB-23-295634	0	0.5	10/26/2023	71-43-2	Benzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295634	0	0.5	10/26/2023	56-55-3	Benzo(a)anthracene	9.80E-03	mg/kg	U	N	ND	9.80E-03	3.27E-02
SVOC	SFB-23-295634	0	0.5	10/26/2023	50-32-8	Benzo(a)pyrene	9.80E-03	mg/kg	U	N	ND	9.80E-03	3.27E-02
SVOC	SFB-23-295634	0	0.5	10/26/2023	205-99-2	Benzo(b)fluoranthene	9.80E-03	mg/kg	U	N	ND	9.80E-03	3.27E-02
SVOC	SFB-23-295634	0	0.5	10/26/2023	191-24-2	Benzo(g,h,i)perylene	9.80E-03	mg/kg	U	N	ND	9.80E-03	3.27E-02
SVOC	SFB-23-295634	0	0.5	10/26/2023	207-08-9	Benzo(k)fluoranthene	9.80E-03	mg/kg	U	N	ND	9.80E-03	3.27E-02
SVOC	SFB-23-295634	0	0.5	10/26/2023	65-85-0	Benzoic Acid	2.28E-01	mg/kg	J	Y	2.28E-01	2.28E-01	6.54E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	100-51-6	Benzyl Alcohol	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
INORGANIC	SFB-23-295634	0	0.5	10/26/2023	Be	Beryllium	1.11E+00	mg/kg		Y	1.11E+00	1.11E+00	8.62E-02
SVOC	SFB-23-295634	0	0.5	10/26/2023	111-91-1	Bis(2-chloroethoxy)methane	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	111-44-4	Bis(2-chloroethyl)ether	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	117-81-7	Bis(2-ethylhexyl)phthalate	4.85E-01	mg/kg		Y	4.85E-01	4.85E-01	3.27E-02
VOC	SFB-23-295634	0	0.5	10/26/2023	108-86-1	Bromobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	74-97-5	Bromochloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	75-27-4	Bromodichloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	75-25-2	Bromoform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	74-83-9	Bromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295634	0	0.5	10/26/2023	101-55-3	Bromophenyl-phenylether[4-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
VOC	SFB-23-295634	0	0.5	10/26/2023	78-93-3	Butanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	104-51-8	Butylbenzene[n-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	135-98-8	Butylbenzene[sec-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	98-06-6	Butylbenzene[tert-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295634	0	0.5	10/26/2023	85-68-7	Butylbenzylphthalate	9.80E-03	mg/kg	U	N	ND	9.80E-03	3.27E-02
INORGANIC	SFB-23-295634	0	0.5	10/26/2023	Cd	Cadmium	8.87E-02	mg/kg	U	N	ND	8.87E-02	4.43E-01
INORGANIC	SFB-23-295634	0	0.5	10/26/2023	Ca	Calcium	2.05E+03	mg/kg		Y	2.05E+03	2.05E+03	2.22E+01
VOC	SFB-23-295634	0	0.5	10/26/2023	75-15-0	Carbon Disulfide	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	56-23-5	Carbon Tetrachloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295634	0	0.5	10/26/2023	59-50-7	Chloro-3-methylphenol[4-]	1.31E-01	mg/kg	U	N	ND	1.31E-01	3.27E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	106-47-8	Chloroaniline[4-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
VOC	SFB-23-295634	0	0.5	10/26/2023	108-90-7	Chlorobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	124-48-1	Chlorodibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	75-00-3	Chloroethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	67-66-3	Chloroform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	74-87-3	Chloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295634	0	0.5	10/26/2023	91-58-7	Chloronaphthalene[2-]	9.80E-03	mg/kg	U	N	ND	9.80E-03	3.27E-02
SVOC	SFB-23-295634	0	0.5	10/26/2023	95-57-8	Chlorophenol[2-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	7005-72-3	Chlorophenyl-phenyl[4-] Ether	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
VOC	SFB-23-295634	0	0.5	10/26/2023	95-49-8	Chlorotoluene[2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	106-43-4	Chlorotoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295634	0	0.5	10/26/2023	Cr	Chromium	6.86E+00	mg/kg		Y	6.86E+00	6.86E+00	8.87E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	218-01-9	Chrysene	9.80E-03	mg/kg	U	N	ND	9.80E-03	3.27E-02
INORGANIC	SFB-23-295634	0	0.5	10/26/2023	Co	Cobalt	2.76E+00	mg/kg		Y	2.76E+00	2.76E+00	2.22E+00
INORGANIC	SFB-23-295634	0	0.5	10/26/2023	Cu	Copper	7.08E+00	mg/kg		Y	7.08E+00	7.08E+00	1.77E+00
SVOC	SFB-23-295634	0	0.5	10/26/2023	53-70-3	Dibenz(a,h)anthracene	9.80E-03	mg/kg	U	N	ND	9.80E-03	3.27E-02
SVOC	SFB-23-295634	0	0.5	10/26/2023	132-64-9	Dibenzofuran	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
VOC	SFB-23-295634	0	0.5	10/26/2023	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.00E-04	mg/kg	U	N	ND	5.00E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	106-93-4	Dibromoethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	74-95-3	Dibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295634	0	0.5	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295634	0	0.5	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295634	0	0.5	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
VOC	SFB-23-295634	0	0.5	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295634	0	0.5	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
VOC	SFB-23-295634	0	0.5	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295634	0	0.5	10/26/2023	91-94-1	Dichlorobenzidine[3,3'-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
VOC	SFB-23-295634	0	0.5	10/26/2023	75-71-8	Dichlorodifluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	75-34-3	Dichloroethane[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	107-06-2	Dichloroethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	75-35-4	Dichloroethene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	156-59-2	Dichloroethene[cis-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	156-60-5	Dichloroethene[trans-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295634	0	0.5	10/26/2023	120-83-2	Dichlorophenol[2,4-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
VOC	SFB-23-295634	0	0.5	10/26/2023	78-87-5	Dichloropropane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	142-28-9	Dichloropropane[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	594-20-7	Dichloropropane[2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	563-58-6	Dichloropropene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	10061-01-5	Dichloropropene[cis-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	10061-02-6	Dichloropropene[trans-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295634	0	0.5	10/26/2023	84-66-2	Diethylphthalate	9.80E-03	mg/kg	U	N	ND	9.80E-03	3.27E-02
SVOC	SFB-23-295634	0	0.5	10/26/2023	131-11-3	Dimethyl Phthalate	9.80E-03	mg/kg	U	N	ND	9.80E-03	3.27E-02
SVOC	SFB-23-295634	0	0.5	10/26/2023	105-67-9	Dimethylphenol[2,4-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	84-74-2	Di-n-butylphthalate	9.80E-03	mg/kg	U	N	ND	9.80E-03	3.27E-02
SVOC	SFB-23-295634	0	0.5	10/26/2023	534-52-1	Dinitro-2-methylphenol[4,6-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295634	0	0.5	10/26/2023	99-65-0	Dinitrobenzene[1,3-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	51-28-5	Dinitrophenol[2,4-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	6.54E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295634	0	0.5	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295634	0	0.5	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	117-84-0	Di-n-octylphthalate	9.80E-03	mg/kg	U	N	ND	9.80E-03	3.27E-02
SVOC	SFB-23-295634	0	0.5	10/26/2023	122-39-4	Diphenylamine	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
PFAS	SFB-23-295634	0	0.5	10/26/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.78E-01	ng/g	U	N	ND	3.78E-04	0.957
PFAS	SFB-23-295634	0	0.5	10/26/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.63E-01	ng/g	U	N	ND	2.63E-04	0.957
VOC	SFB-23-295634	0	0.5	10/26/2023	100-41-4	Ethylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
PFAS	SFB-23-295634	0	0.5	10/26/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	3.92E-01	ng/g	U	N	ND	3.92E-04	0.957
SVOC	SFB-23-295634	0	0.5	10/26/2023	206-44-0	Fluoranthene	9.80E-03	mg/kg	U	N	ND	9.80E-03	3.27E-02
SVOC	SFB-23-295634	0	0.5	10/26/2023	86-73-7	Fluorene	9.80E-03	mg/kg	U	N	ND	9.80E-03	3.27E-02
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.20E-06	mg/kg	J	Y	1.20E-06	1.20E-06	4.99E-06
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	37871-00-4	Heptachlorodibenzodioxins (Total)	2.22E-06	mg/kg	J	Y	2.22E-06	2.22E-06	4.99E-06
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	7.02E-07	mg/kg	JK	Y	7.02E-07	7.02E-07	4.99E-06
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.99E-07	mg/kg	U	N	ND	1.18E-06	4.99E-06
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	38998-75-3	Heptachlorodibenzofurans (Total)	0.00E+00	mg/kg	U	N	ND	1.18E-06	4.99E-06
SVOC	SFB-23-295634	0	0.5	10/26/2023	118-74-1	Hexachlorobenzene	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	87-68-3	Hexachlorobutadiene	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	77-47-4	Hexachlorocyclopentadiene	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.99E-07	mg/kg	U	N	ND	1.24E-06	4.99E-06
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.99E-07	mg/kg	U	N	ND	1.15E-06	4.99E-06
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.99E-07	mg/kg	U	N	ND	1.35E-06	4.99E-06
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	34465-46-8	Hexachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	1.15E-06	4.99E-06
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	4.99E-07	mg/kg	U	N	ND	1.13E-06	4.99E-06
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.99E-07	mg/kg	U	N	ND	9.96E-07	4.99E-06
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.99E-07	mg/kg	U	N	ND	1.39E-06	4.99E-06
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.99E-07	mg/kg	U	N	ND	1.20E-06	4.99E-06

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	55684-94-1	Hexachlorodibenzofurans (Total)	0.00E+00	mg/kg	U	N	ND	9.96E-07	4.99E-06
SVOC	SFB-23-295634	0	0.5	10/26/2023	67-72-1	Hexachloroethane	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
PFAS	SFB-23-295634	0	0.5	10/26/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.58E-01	ng/g	U	N	ND	1.58E-04	0.478
VOC	SFB-23-295634	0	0.5	10/26/2023	591-78-6	Hexanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295634	0	0.5	10/26/2023	2691-41-0	HMX	3.29E+00	mg/kg		Y	3.29E+00	3.29E+00	4.98E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	193-39-5	Indeno(1,2,3-cd)pyrene	9.80E-03	mg/kg	U	N	ND	9.80E-03	3.27E-02
VOC	SFB-23-295634	0	0.5	10/26/2023	74-88-4	Iodomethane	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295634	0	0.5	10/26/2023	Fe	Iron	1.25E+04	mg/kg		Y	1.25E+04	1.25E+04	2.22E+01
SVOC	SFB-23-295634	0	0.5	10/26/2023	78-59-1	Isophorone	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
VOC	SFB-23-295634	0	0.5	10/26/2023	98-82-8	Isopropylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	99-87-6	Isopropyltoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295634	0	0.5	10/26/2023	Pb	Lead	1.25E+01	mg/kg	*	Y	1.25E+01	1.25E+01	1.77E+00
INORGANIC	SFB-23-295634	0	0.5	10/26/2023	Mg	Magnesium	1.77E+03	mg/kg	N	Y	1.77E+03	1.77E+03	2.66E+01
INORGANIC	SFB-23-295634	0	0.5	10/26/2023	Mn	Manganese	2.26E+02	mg/kg	*	Y	2.26E+02	2.26E+02	8.87E-01
INORGANIC	SFB-23-295634	0	0.5	10/26/2023	Hg	Mercury	1.42E-02	mg/kg	J	Y	1.42E-02	1.42E-02	2.36E-02
PFAS	SFB-23-295634	0	0.5	10/26/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[M	3.73E-01	ng/g	U	N	ND	3.73E-04	0.957
PFAS	SFB-23-295634	0	0.5	10/26/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.16E-01	ng/g	U	N	ND	3.16E-04	0.957
VOC	SFB-23-295634	0	0.5	10/26/2023	108-10-1	Methyl-2-pentanone[4-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	75-09-2	Methylene Chloride	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295634	0	0.5	10/26/2023	91-57-6	Methylnaphthalene[2-]	9.80E-03	mg/kg	U	N	ND	9.80E-03	3.27E-02
PFAS	SFB-23-295634	0	0.5	10/26/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.16E-01	ng/g	U	N	ND	4.16E-04	0.957
SVOC	SFB-23-295634	0	0.5	10/26/2023	95-48-7	Methylphenol[2-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	65794-96-9	Methylphenol[3-,4-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	91-20-3	Naphthalene	9.80E-03	mg/kg	U	N	ND	9.80E-03	3.27E-02
INORGANIC	SFB-23-295634	0	0.5	10/26/2023	Ni	Nickel	9.18E+00	mg/kg	*	Y	9.18E+00	9.18E+00	3.45E-01
GENERAL CHEMISTRY	SFB-23-295634	0	0.5	10/26/2023	NO3-N	Nitrate as Nitrogen	5.88E+00	mg/kg		Y	5.88E+00	5.88E+00	9.76E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	88-74-4	Nitroaniline[2-]	1.08E-01	mg/kg	U	N	ND	1.08E-01	3.27E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	99-09-2	Nitroaniline[3-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	100-01-6	Nitroaniline[4-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	98-95-3	Nitrobenzene	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295634	0	0.5	10/26/2023	98-95-3	Nitrobenzene	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	88-75-5	Nitrophenol[2-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	100-02-7	Nitrophenol[4-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	62-75-9	Nitrosodimethylamine[N-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	621-64-7	Nitroso-di-n-propylamine[N-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295634	0	0.5	10/26/2023	88-72-2	Nitrotoluene[2-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295634	0	0.5	10/26/2023	99-08-1	Nitrotoluene[3-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295634	0	0.5	10/26/2023	99-99-0	Nitrotoluene[4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	5.76E-06	mg/kg	J	Y	5.76E-06	5.76E-06	9.97E-06
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	9.97E-07	mg/kg	U	N	ND	4.64E-06	9.97E-06
SVOC	SFB-23-295634	0	0.5	10/26/2023	108-60-1	Oxybis(1-chloropropane)[2,2'-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.99E-07	mg/kg	U	N	ND	1.30E-06	4.99E-06
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	36088-22-9	Pentachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	1.30E-06	4.99E-06
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	4.99E-07	mg/kg	U	N	ND	1.15E-06	4.99E-06
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.99E-07	mg/kg	U	N	ND	1.29E-06	4.99E-06
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	30402-15-4	Pentachlorodibenzofurans (Totals)	0.00E+00	mg/kg	U	N	ND	1.15E-06	4.99E-06
SVOC	SFB-23-295634	0	0.5	10/26/2023	87-86-5	Pentachlorophenol	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
LCMS/MS	SFB-23-295634	0	0.5	10/26/2023	ClO4	Perchlorate	4.72E-04	mg/kg	U	N	ND	4.72E-04	1.89E-03
PFAS	SFB-23-295634	0	0.5	10/26/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.77E-01	ng/g	U	N	ND	1.77E-04	0.455
PFAS	SFB-23-295634	0	0.5	10/26/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.58E-01	ng/g	U	N	ND	1.58E-04	0.478
PFAS	SFB-23-295634	0	0.5	10/26/2023	375-73-5	Perfluorobutanesulfonic acid	1.58E-01	ng/g	U	N	ND	1.58E-04	0.426
PFAS	SFB-23-295634	0	0.5	10/26/2023	375-22-4	Perfluorobutanoic acid	9.57E-01	ng/g	U	N	ND	9.57E-04	2.39
PFAS	SFB-23-295634	0	0.5	10/26/2023	335-77-3	Perfluorodecane sulfonate	1.58E-01	ng/g	U	N	ND	1.58E-04	0.464
PFAS	SFB-23-295634	0	0.5	10/26/2023	335-76-2	Perfluorodecanoic acid	3.54E-01	ng/g	U	N	ND	3.54E-04	0.957

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
PFAS	SFB-23-295634	0	0.5	10/26/2023	79780-39-5	Perfluorododecanesulfonic acid	1.58E-01	ng/g	U	N	ND	1.58E-04	0.463
PFAS	SFB-23-295634	0	0.5	10/26/2023	307-55-1	Perfluorododecanoic acid	1.58E-01	ng/g	U	N	ND	1.58E-04	0.478
PFAS	SFB-23-295634	0	0.5	10/26/2023	375-85-9	Perfluoroheptanoic acid	1.58E-01	ng/g	U	N	ND	1.58E-04	0.478
PFAS	SFB-23-295634	0	0.5	10/26/2023	355-46-4	Perfluorohexanesulfonic acid	1.58E-01	ng/g	U	N	ND	1.58E-04	0.435
PFAS	SFB-23-295634	0	0.5	10/26/2023	307-24-4	Perfluorohexanoic acid	1.91E-01	ng/g	U	N	ND	1.91E-04	0.478
PFAS	SFB-23-295634	0	0.5	10/26/2023	68259-12-1	Perfluorononanesulfonic acid	1.58E-01	ng/g	U	N	ND	1.58E-04	0.459
PFAS	SFB-23-295634	0	0.5	10/26/2023	375-95-1	Perfluorononanoic acid	1.58E-01	ng/g	U	N	ND	1.58E-04	0.478
PFAS	SFB-23-295634	0	0.5	10/26/2023	1763-23-1	Perfluorooctanesulfonic acid	1.91E-01	ng/g	U	N	ND	1.91E-04	0.478
PFAS	SFB-23-295634	0	0.5	10/26/2023	335-67-1	Perfluorooctanoic acid	1.91E-01	ng/g	U	N	ND	1.91E-04	0.478
PFAS	SFB-23-295634	0	0.5	10/26/2023	2706-91-4	Perfluoropentanesulfonic acid	1.58E-01	ng/g	U	N	ND	1.58E-04	0.450
PFAS	SFB-23-295634	0	0.5	10/26/2023	2706-90-3	Perfluoropentanoic acid	1.58E-01	ng/g	U	N	ND	1.58E-04	0.478
PFAS	SFB-23-295634	0	0.5	10/26/2023	376-06-7	Perfluorotetradecanoic acid	1.91E-01	ng/g	U	N	ND	1.91E-04	0.478
PFAS	SFB-23-295634	0	0.5	10/26/2023	72629-94-8	Perfluorotridecanoic acid	1.58E-01	ng/g	U	N	ND	1.58E-04	0.478
PFAS	SFB-23-295634	0	0.5	10/26/2023	2058-94-8	Perfluoroundecanoic acid	1.58E-01	ng/g	U	N	ND	1.58E-04	0.478
LCMS/MS HIGH EXPLOSIVES	SFB-23-295634	0	0.5	10/26/2023	78-11-5	PETN	2.49E-01	mg/kg	U	N	ND	2.49E-01	9.95E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	85-01-8	Phenanthrene	9.80E-03	mg/kg	U	N	ND	9.80E-03	3.27E-02
SVOC	SFB-23-295634	0	0.5	10/26/2023	108-95-2	Phenol	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
INORGANIC	SFB-23-295634	0	0.5	10/26/2023	K	Potassium	1.50E+03	mg/kg	N	Y	1.50E+03	1.50E+03	2.22E+01
VOC	SFB-23-295634	0	0.5	10/26/2023	103-65-1	Propylbenzene[1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295634	0	0.5	10/26/2023	129-00-0	Pyrene	9.80E-03	mg/kg	U	N	ND	9.80E-03	3.27E-02
SVOC	SFB-23-295634	0	0.5	10/26/2023	110-86-1	Pyridine	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295634	0	0.5	10/26/2023	121-82-4	RDX	1.22E+01	mg/kg		Y	1.22E+01	1.22E+01	4.98E-01
INORGANIC	SFB-23-295634	0	0.5	10/26/2023	Se	Selenium	6.38E-01	mg/kg	J	Y	6.38E-01	6.38E-01	8.62E-01
INORGANIC	SFB-23-295634	0	0.5	10/26/2023	Ag	Silver	1.21E+00	mg/kg		Y	1.21E+00	1.21E+00	4.43E-01
INORGANIC	SFB-23-295634	0	0.5	10/26/2023	Na	Sodium	1.02E+02	mg/kg	N	Y	1.02E+02	1.02E+02	2.22E+01
VOC	SFB-23-295634	0	0.5	10/26/2023	100-42-5	Styrene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295634	0	0.5	10/26/2023	3058-38-6	TATB	2.99E-01	mg/kg	UJ	N	ND	2.99E-01	9.95E-01
GENERAL CHEMISTRY	SFB-23-295634	0	0.5	10/26/2023	TEMP	Temperature	3.40E+00	deg C		Y		0.00E+00	
GENERAL CHEMISTRY	SFB-23-295634	0	0.5	10/26/2023	TEMP	Temperature	5.00E+00	deg C		Y		0.00E+00	
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	1.86E-07	mg/kg	U	N	ND	2.66E-07	9.97E-07
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	41903-57-5	Tetrachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	2.66E-07	9.97E-07
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	1.61E-07	mg/kg	U	N	ND	4.00E-07	9.97E-07
HRGC/HRMS	SFB-23-295634	0	0.5	10/26/2023	55722-27-5	Tetrachlorodibenzofurans (Totals)	0.00E+00	mg/kg	U	N	ND	4.00E-07	9.97E-07
VOC	SFB-23-295634	0	0.5	10/26/2023	630-20-6	Tetrachloroethane[1,1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	79-34-5	Tetrachloroethane[1,1,2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	127-18-4	Tetrachloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295634	0	0.5	10/26/2023	479-45-8	Tetryl	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
INORGANIC	SFB-23-295634	0	0.5	10/26/2023	Tl	Thallium	4.01E-01	mg/kg		Y	4.01E-01	4.01E-01	3.45E-01
VOC	SFB-23-295634	0	0.5	10/26/2023	108-88-3	Toluene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
TPH	SFB-23-295634	0	0.5	10/26/2023	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	3.12E+00	mg/kg	J	Y	3.12E+00	3.12E+00	6.54E+00
TPH	SFB-23-295634	0	0.5	10/26/2023	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	1.67E+00	mg/kg	U	N	ND	1.67E+00	1.00E+01
PFAS	SFB-23-295634	0	0.5	10/26/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295634	0	0.5	10/26/2023	PFAS-Tot-37a	Total PFAS 37a	0.00E+00	ng/g	U	N	ND	1.58E-04	4.26E-01
PFAS	SFB-23-295634	0	0.5	10/26/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
VOC	SFB-23-295634	0	0.5	10/26/2023	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295634	0	0.5	10/26/2023	120-82-1	Trichlorobenzene[1,2,4-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
VOC	SFB-23-295634	0	0.5	10/26/2023	71-55-6	Trichloroethane[1,1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	79-00-5	Trichloroethane[1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	79-01-6	Trichloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	75-69-4	Trichlorofluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295634	0	0.5	10/26/2023	95-95-4	Trichlorophenol[2,4,5-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
SVOC	SFB-23-295634	0	0.5	10/26/2023	88-06-2	Trichlorophenol[2,4,6-]	9.80E-02	mg/kg	U	N	ND	9.80E-02	3.27E-01
VOC	SFB-23-295634	0	0.5	10/26/2023	96-18-4	Trichloropropane[1,2,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	95-63-6	Trimethylbenzene[1,2,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295634	0	0.5	10/26/2023	108-67-8	Trimethylbenzene[1,3,5-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295634	0	0.5	10/26/2023	99-35-4	Trinitrobenzene[1,3,5-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295634	0	0.5	10/26/2023	118-96-7	Trinitrotoluene[2,4,6-]	8.59E-01	mg/kg		Y	8.59E-01	8.59E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295634	0	0.5	10/26/2023	78-30-8	Tris (o-cresyl) phosphate	2.99E-01	mg/kg	U	N	ND	2.99E-01	9.95E-01
INORGANIC	SFB-23-295634	0	0.5	10/26/2023	V	Vanadium	1.81E+01	mg/kg		Y	1.81E+01	1.81E+01	4.43E-01
VOC	SFB-23-295634	0	0.5	10/26/2023	75-01-4	Vinyl Chloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	95-47-6	Xylene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295634	0	0.5	10/26/2023	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.67E-04	mg/kg	U	N	ND	6.67E-04	2.00E-03
INORGANIC	SFB-23-295634	0	0.5	10/26/2023	Zn	Zinc	3.18E+01	mg/kg		Y	3.18E+01	3.18E+01	1.77E+00
PFAS	SFB-23-295635	0	0.5	08/16/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.61E-01	ng/g	U	N	ND	1.61E-04	0.460
PFAS	SFB-23-295635	0	0.5	08/16/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.76E-01	ng/g	U	N	ND	3.76E-04	0.937
PFAS	SFB-23-295635	0	0.5	08/16/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	3.22E-01	ng/g	U	N	ND	3.22E-04	0.937
PFAS	SFB-23-295635	0	0.5	08/16/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	3.90E-01	ng/g	U	N	ND	3.90E-04	0.917
PFAS	SFB-23-295635	0	0.5	08/16/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.31E+00	ng/g	U	N	ND	1.31E-03	3.66
LCMS/MS HIGH EXPLOSIVES	SFB-23-295635	0	0.5	08/16/2023	6629-29-4	2,4-Diamino-6-nitrotoluene	4.72E-01	mg/kg	U	N	ND	4.72E-01	1.89E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295635	0	0.5	08/16/2023	59229-75-3	2,6-Diamino-4-nitrotoluene	6.23E-01	mg/kg	U	N	ND	6.23E-01	1.89E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295635	0	0.5	08/16/2023	618-87-1	3,5-Dinitroaniline	2.83E-01	mg/kg	U	N	ND	2.83E-01	9.43E-01
PFAS	SFB-23-295635	0	0.5	08/16/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.22E-01	ng/g	U	N	ND	3.22E-04	0.976
PFAS	SFB-23-295635	0	0.5	08/16/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.22E-01	ng/g	U	N	ND	3.22E-04	0.976
PFAS	SFB-23-295635	0	0.5	08/16/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.22E-01	ng/g	U	N	ND	3.22E-04	0.976
PFAS	SFB-23-295635	0	0.5	08/16/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.61E-01	ng/g	U	N	ND	1.61E-04	0.488
PFAS	SFB-23-295635	0	0.5	08/16/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfor	1.61E-01	ng/g	U	N	ND	1.61E-04	0.455
SVOC	SFB-23-295635	0	0.5	08/16/2023	83-32-9	Acenaphthene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295635	0	0.5	08/16/2023	208-96-8	Acenaphthylene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
VOC	SFB-23-295635	0	0.5	08/16/2023	67-64-1	Acetone	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
INORGANIC	SFB-23-295635	0	0.5	08/16/2023	Al	Aluminum	3.04E+03	mg/kg		Y	3.04E+03	3.04E+03	1.86E+01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295635	0	0.5	08/16/2023	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.72E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295635	0	0.5	08/16/2023	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.72E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	62-53-3	Aniline	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	120-12-7	Anthracene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
INORGANIC	SFB-23-295635	0	0.5	08/16/2023	Sb	Antimony	3.06E-01	mg/kg	U	N	ND	3.06E-01	1.86E+00
INORGANIC	SFB-23-295635	0	0.5	08/16/2023	As	Arsenic	1.39E+00	mg/kg		Y	1.39E+00	1.39E+00	8.90E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	103-33-3	Azobenzene	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
INORGANIC	SFB-23-295635	0	0.5	08/16/2023	Ba	Barium	2.03E+03	mg/kg		Y	2.03E+03	2.03E+03	2.32E+00
VOC	SFB-23-295635	0	0.5	08/16/2023	71-43-2	Benzene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295635	0	0.5	08/16/2023	56-55-3	Benzo(a)anthracene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295635	0	0.5	08/16/2023	50-32-8	Benzo(a)pyrene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295635	0	0.5	08/16/2023	205-99-2	Benzo(b)fluoranthene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295635	0	0.5	08/16/2023	191-24-2	Benzo(g,h,i)perylene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295635	0	0.5	08/16/2023	207-08-9	Benzo(k)fluoranthene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295635	0	0.5	08/16/2023	65-85-0	Benzoic Acid	1.65E-01	mg/kg	U	N	ND	1.65E-01	6.60E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	100-51-6	Benzyl Alcohol	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
INORGANIC	SFB-23-295635	0	0.5	08/16/2023	Be	Beryllium	5.47E-01	mg/kg		Y	5.47E-01	5.47E-01	8.90E-02
SVOC	SFB-23-295635	0	0.5	08/16/2023	111-91-1	Bis(2-chloroethoxy)methane	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	111-44-4	Bis(2-chloroethyl)ether	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	117-81-7	Bis(2-ethylhexyl)phthalate	1.68E-02	mg/kg	J	Y	1.68E-02	1.68E-02	3.30E-02
VOC	SFB-23-295635	0	0.5	08/16/2023	108-86-1	Bromobenzene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	74-97-5	Bromochloromethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	75-27-4	Bromodichloromethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	75-25-2	Bromoform	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	74-83-9	Bromomethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295635	0	0.5	08/16/2023	101-55-3	Bromophenyl-phenylether[4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295635	0	0.5	08/16/2023	78-93-3	Butanone[2-]	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
VOC	SFB-23-295635	0	0.5	08/16/2023	104-51-8	Butylbenzene[n-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295635	0	0.5	08/16/2023	135-98-8	Butylbenzene[sec-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	98-06-6	Butylbenzene[tert-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295635	0	0.5	08/16/2023	85-68-7	Butylbenzylphthalate	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
INORGANIC	SFB-23-295635	0	0.5	08/16/2023	Cd	Cadmium	1.89E-01	mg/kg	J	Y	1.89E-01	1.89E-01	4.64E-01
INORGANIC	SFB-23-295635	0	0.5	08/16/2023	Ca	Calcium	1.06E+03	mg/kg	N	Y	1.06E+03	1.06E+03	2.32E+01
VOC	SFB-23-295635	0	0.5	08/16/2023	75-15-0	Carbon Disulfide	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
VOC	SFB-23-295635	0	0.5	08/16/2023	56-23-5	Carbon Tetrachloride	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295635	0	0.5	08/16/2023	59-50-7	Chloro-3-methylphenol[4-]	1.32E-01	mg/kg	U	N	ND	1.32E-01	3.30E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	106-47-8	Chloroaniline[4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295635	0	0.5	08/16/2023	108-90-7	Chlorobenzene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	124-48-1	Chlorodibromomethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	75-00-3	Chloroethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	67-66-3	Chloroform	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	74-87-3	Chloromethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295635	0	0.5	08/16/2023	91-58-7	Chloronaphthalene[2-]	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295635	0	0.5	08/16/2023	95-57-8	Chlorophenol[2-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	7005-72-3	Chlorophenyl-phenyl[4-] Ether	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295635	0	0.5	08/16/2023	95-49-8	Chlorotoluene[2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	106-43-4	Chlorotoluene[4-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
INORGANIC	SFB-23-295635	0	0.5	08/16/2023	Cr	Chromium	4.88E+00	mg/kg	*	Y	4.88E+00	4.88E+00	9.28E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	218-01-9	Chrysene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
INORGANIC	SFB-23-295635	0	0.5	08/16/2023	Co	Cobalt	2.14E+00	mg/kg	J	Y	2.14E+00	2.14E+00	2.32E+00
INORGANIC	SFB-23-295635	0	0.5	08/16/2023	Cu	Copper	1.43E+01	mg/kg		Y	1.43E+01	1.43E+01	1.86E+00
SVOC	SFB-23-295635	0	0.5	08/16/2023	53-70-3	Dibenz(a,h)anthracene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295635	0	0.5	08/16/2023	132-64-9	Dibenzofuran	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295635	0	0.5	08/16/2023	96-12-8	Dibromo-3-Chloropropane[1,2-]	4.96E-04	mg/kg	U	N	ND	4.96E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	106-93-4	Dibromoethane[1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	74-95-3	Dibromomethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	95-50-1	Dichlorobenzene[1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295635	0	0.5	08/16/2023	95-50-1	Dichlorobenzene[1,2-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295635	0	0.5	08/16/2023	541-73-1	Dichlorobenzene[1,3-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295635	0	0.5	08/16/2023	541-73-1	Dichlorobenzene[1,3-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295635	0	0.5	08/16/2023	106-46-7	Dichlorobenzene[1,4-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295635	0	0.5	08/16/2023	106-46-7	Dichlorobenzene[1,4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	91-94-1	Dichlorobenzidine[3,3'-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295635	0	0.5	08/16/2023	75-71-8	Dichlorodifluoromethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	75-34-3	Dichloroethane[1,1-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	107-06-2	Dichloroethane[1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	75-35-4	Dichloroethene[1,1-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	156-59-2	Dichloroethene[cis-1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	156-60-5	Dichloroethene[trans-1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295635	0	0.5	08/16/2023	120-83-2	Dichlorophenol[2,4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295635	0	0.5	08/16/2023	78-87-5	Dichloropropane[1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	142-28-9	Dichloropropane[1,3-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	594-20-7	Dichloropropane[2,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	563-58-6	Dichloropropene[1,1-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	10061-01-5	Dichloropropene[cis-1,3-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	10061-02-6	Dichloropropene[trans-1,3-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295635	0	0.5	08/16/2023	84-66-2	Diethylphthalate	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295635	0	0.5	08/16/2023	131-11-3	Dimethyl Phthalate	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295635	0	0.5	08/16/2023	105-67-9	Dimethylphenol[2,4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	84-74-2	Di-n-butylphthalate	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295635	0	0.5	08/16/2023	534-52-1	Dinitro-2-methylphenol[4,6-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295635	0	0.5	08/16/2023	99-65-0	Dinitrobenzene[1,3-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.72E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295635	0	0.5	08/16/2023	51-28-5	Dinitrophenol[2,4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	6.60E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	121-14-2	Dinitrotoluene[2,4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295635	0	0.5	08/16/2023	121-14-2	Dinitrotoluene[2,4-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.72E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	606-20-2	Dinitrotoluene[2,6-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295635	0	0.5	08/16/2023	606-20-2	Dinitrotoluene[2,6-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.72E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	117-84-0	Di-n-octylphthalate	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295635	0	0.5	08/16/2023	122-39-4	Diphenylamine	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
PFAS	SFB-23-295635	0	0.5	08/16/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.85E-01	ng/g	U	N	ND	3.85E-04	0.976
PFAS	SFB-23-295635	0	0.5	08/16/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.68E-01	ng/g	U	N	ND	2.68E-04	0.976
VOC	SFB-23-295635	0	0.5	08/16/2023	100-41-4	Ethylbenzene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
PFAS	SFB-23-295635	0	0.5	08/16/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	4.00E-01	ng/g	U	N	ND	4.00E-04	0.976
SVOC	SFB-23-295635	0	0.5	08/16/2023	206-44-0	Fluoranthene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295635	0	0.5	08/16/2023	86-73-7	Fluorene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.67E-05	mg/kg		Y	1.67E-05	1.67E-05	5.00E-06
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	37871-00-4	Heptachlorodibenzodioxins (Total)	5.11E-05	mg/kg		Y	5.11E-05	5.11E-05	5.00E-06
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	5.76E-06	mg/kg		Y	5.76E-06	5.76E-06	5.00E-06
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	5.96E-07	mg/kg	JK	Y	5.96E-07	5.96E-07	5.00E-06
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	38998-75-3	Heptachlorodibenzofurans (Total)	1.13E-05	mg/kg	J	Y	1.13E-05	1.13E-05	5.00E-06
SVOC	SFB-23-295635	0	0.5	08/16/2023	118-74-1	Hexachlorobenzene	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	87-68-3	Hexachlorobutadiene	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	77-47-4	Hexachlorocyclopentadiene	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	8.16E-07	mg/kg	J	Y	8.16E-07	8.16E-07	5.00E-06
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	8.96E-07	mg/kg	J	Y	8.96E-07	8.96E-07	5.00E-06
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	9.56E-07	mg/kg	J	Y	9.56E-07	9.56E-07	5.00E-06
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	34465-46-8	Hexachlorodibenzodioxins (Total)	1.61E-05	mg/kg	J	Y	1.61E-05	1.61E-05	5.00E-06
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.24E-06	mg/kg	J	Y	1.24E-06	1.24E-06	5.00E-06
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	6.94E-07	mg/kg	JK	Y	6.94E-07	6.94E-07	5.00E-06
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	5.00E-07	mg/kg	U	N	ND	1.40E-06	5.00E-06
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	9.38E-07	mg/kg	J	Y	9.38E-07	9.38E-07	5.00E-06
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	55684-94-1	Hexachlorodibenzofurans (Total)	7.40E-06	mg/kg	J	Y	7.40E-06	7.40E-06	5.00E-06
SVOC	SFB-23-295635	0	0.5	08/16/2023	67-72-1	Hexachloroethane	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
PFAS	SFB-23-295635	0	0.5	08/16/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.61E-01	ng/g	U	N	ND	1.61E-04	0.488
VOC	SFB-23-295635	0	0.5	08/16/2023	591-78-6	Hexanone[2-]	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295635	0	0.5	08/16/2023	2691-41-0	HMX	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.72E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	193-39-5	Indeno(1,2,3-cd)pyrene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
VOC	SFB-23-295635	0	0.5	08/16/2023	74-88-4	Iodomethane	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
INORGANIC	SFB-23-295635	0	0.5	08/16/2023	Fe	Iron	9.99E+03	mg/kg		Y	9.99E+03	9.99E+03	2.32E+01
SVOC	SFB-23-295635	0	0.5	08/16/2023	78-59-1	Isophorone	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295635	0	0.5	08/16/2023	98-82-8	Isopropylbenzene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	99-87-6	Isopropyltoluene[4-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
INORGANIC	SFB-23-295635	0	0.5	08/16/2023	Pb	Lead	1.63E+01	mg/kg	*	Y	1.63E+01	1.63E+01	1.86E+00
INORGANIC	SFB-23-295635	0	0.5	08/16/2023	Mg	Magnesium	9.00E+02	mg/kg	N	Y	9.00E+02	9.00E+02	2.78E+01
INORGANIC	SFB-23-295635	0	0.5	08/16/2023	Mn	Manganese	2.32E+02	mg/kg		Y	2.32E+02	2.32E+02	9.28E-01
INORGANIC	SFB-23-295635	0	0.5	08/16/2023	Hg	Mercury	1.31E-02	mg/kg	J	Y	1.31E-02	1.31E-02	2.04E-02
PFAS	SFB-23-295635	0	0.5	08/16/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[N	3.80E-01	ng/g	U	N	ND	3.80E-04	0.976
PFAS	SFB-23-295635	0	0.5	08/16/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.22E-01	ng/g	U	N	ND	3.22E-04	0.976
VOC	SFB-23-295635	0	0.5	08/16/2023	108-10-1	Methyl-2-pentanone[4-]	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
VOC	SFB-23-295635	0	0.5	08/16/2023	75-09-2	Methylene Chloride	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
SVOC	SFB-23-295635	0	0.5	08/16/2023	91-57-6	Methylnaphthalene[2-]	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
PFAS	SFB-23-295635	0	0.5	08/16/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.24E-01	ng/g	U	N	ND	4.24E-04	0.976
SVOC	SFB-23-295635	0	0.5	08/16/2023	95-48-7	Methylphenol[2-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	65794-96-9	Methylphenol[3-,4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	91-20-3	Naphthalene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
INORGANIC	SFB-23-295635	0	0.5	08/16/2023	Ni	Nickel	5.66E+00	mg/kg	N	Y	5.66E+00	5.66E+00	3.56E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
GENERAL CHEMISTRY	SFB-23-295635	0	0.5	08/16/2023	NO3	Nitrate	2.36E+00	mg/kg		Y	2.36E+00	2.36E+00	9.83E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	88-74-4	Nitroaniline[2-]	1.09E-01	mg/kg	U	N	ND	1.09E-01	3.30E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	99-09-2	Nitroaniline[3-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	100-01-6	Nitroaniline[4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295635	0	0.5	08/16/2023	98-95-3	Nitrobenzene	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.72E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	98-95-3	Nitrobenzene	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	88-75-5	Nitrophenol[2-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	100-02-7	Nitrophenol[4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	62-75-9	Nitrosodimethylamine[N-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	621-64-7	Nitroso-di-n-propylamine[N-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295635	0	0.5	08/16/2023	88-72-2	Nitrotoluene[2-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.72E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295635	0	0.5	08/16/2023	99-08-1	Nitrotoluene[3-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.72E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295635	0	0.5	08/16/2023	99-99-0	Nitrotoluene[4-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.72E-01
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	9.23E-05	mg/kg		Y	9.23E-05	9.23E-05	1.00E-05
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	7.91E-06	mg/kg	J	Y	7.91E-06	7.91E-06	1.00E-05
SVOC	SFB-23-295635	0	0.5	08/16/2023	108-60-1	Oxybis(1-chloropropane)[2,2'-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	5.86E-07	mg/kg	JK	Y	5.86E-07	5.86E-07	5.00E-06
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	36088-22-9	Pentachlorodibenzodioxins (Total)	4.00E-06	mg/kg	J	Y	4.00E-06	4.00E-06	5.00E-06
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	1.31E-06	mg/kg	JK	Y	1.31E-06	1.31E-06	5.00E-06
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	8.08E-07	mg/kg	J	Y	8.08E-07	8.08E-07	5.00E-06
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	30402-15-4	Pentachlorodibenzofurans (Totals)	6.38E-06	mg/kg	J	Y	6.38E-06	6.38E-06	5.00E-06
SVOC	SFB-23-295635	0	0.5	08/16/2023	87-86-5	Pentachlorophenol	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
LCMS/MS	SFB-23-295635	0	0.5	08/16/2023	ClO4	Perchlorate	4.83E-04	mg/kg	U	N	ND	4.83E-04	1.93E-03
PFAS	SFB-23-295635	0	0.5	08/16/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.80E-01	ng/g	U	N	ND	1.80E-04	0.463
PFAS	SFB-23-295635	0	0.5	08/16/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.61E-01	ng/g	U	N	ND	1.61E-04	0.488
PFAS	SFB-23-295635	0	0.5	08/16/2023	375-73-5	Perfluorobutanesulfonic acid	1.61E-01	ng/g	U	N	ND	1.61E-04	0.434
PFAS	SFB-23-295635	0	0.5	08/16/2023	375-22-4	Perfluorobutanoic acid	1.95E-01	ng/g	U	N	ND	1.95E-04	0.488
PFAS	SFB-23-295635	0	0.5	08/16/2023	335-77-3	Perfluorodecane sulfonate	1.61E-01	ng/g	U	N	ND	1.61E-04	0.473
PFAS	SFB-23-295635	0	0.5	08/16/2023	335-76-2	Perfluorodecanoic acid	3.61E-01	ng/g	U	N	ND	3.61E-04	0.976
PFAS	SFB-23-295635	0	0.5	08/16/2023	79780-39-5	Perfluorododecanesulfonic acid	1.61E-01	ng/g	U	N	ND	1.61E-04	0.472
PFAS	SFB-23-295635	0	0.5	08/16/2023	307-55-1	Perfluorododecanoic acid	1.61E-01	ng/g	U	N	ND	1.61E-04	0.488
PFAS	SFB-23-295635	0	0.5	08/16/2023	375-85-9	Perfluoroheptanoic acid	1.61E-01	ng/g	U	N	ND	1.61E-04	0.488
PFAS	SFB-23-295635	0	0.5	08/16/2023	355-46-4	Perfluorohexanesulfonic acid	1.61E-01	ng/g	U	N	ND	1.61E-04	0.444
PFAS	SFB-23-295635	0	0.5	08/16/2023	307-24-4	Perfluorohexanoic acid	1.95E-01	ng/g	U	N	ND	1.95E-04	0.488
PFAS	SFB-23-295635	0	0.5	08/16/2023	68259-12-1	Perfluorononanesulfonic acid	1.61E-01	ng/g	U	N	ND	1.61E-04	0.468
PFAS	SFB-23-295635	0	0.5	08/16/2023	375-95-1	Perfluorononanoic acid	1.61E-01	ng/g	U	N	ND	1.61E-04	0.488
PFAS	SFB-23-295635	0	0.5	08/16/2023	1763-23-1	Perfluorooctanesulfonic acid	1.95E-01	ng/g	U	N	ND	1.95E-04	0.488
PFAS	SFB-23-295635	0	0.5	08/16/2023	335-67-1	Perfluorooctanoic acid	1.95E-01	ng/g	U	N	ND	1.95E-04	0.488
PFAS	SFB-23-295635	0	0.5	08/16/2023	2706-91-4	Perfluoropentanesulfonic acid	1.61E-01	ng/g	U	N	ND	1.61E-04	0.459
PFAS	SFB-23-295635	0	0.5	08/16/2023	2706-90-3	Perfluoropentanoic acid	1.61E-01	ng/g	U	N	ND	1.61E-04	0.488
PFAS	SFB-23-295635	0	0.5	08/16/2023	376-06-7	Perfluorotetradecanoic acid	1.95E-01	ng/g	U	N	ND	1.95E-04	0.488
PFAS	SFB-23-295635	0	0.5	08/16/2023	72629-94-8	Perfluorotridecanoic acid	1.61E-01	ng/g	U	N	ND	1.61E-04	0.488
PFAS	SFB-23-295635	0	0.5	08/16/2023	2058-94-8	Perfluoroundecanoic acid	1.61E-01	ng/g	U	N	ND	1.61E-04	0.488
LCMS/MS HIGH EXPLOSIVES	SFB-23-295635	0	0.5	08/16/2023	78-11-5	PETN	2.36E-01	mg/kg	U	N	ND	2.36E-01	9.43E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	85-01-8	Phenanthrene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295635	0	0.5	08/16/2023	108-95-2	Phenol	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
INORGANIC	SFB-23-295635	0	0.5	08/16/2023	K	Potassium	7.42E+02	mg/kg	N	Y	7.42E+02	7.42E+02	2.32E+01
VOC	SFB-23-295635	0	0.5	08/16/2023	103-65-1	Propylbenzene[1-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295635	0	0.5	08/16/2023	129-00-0	Pyrene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295635	0	0.5	08/16/2023	110-86-1	Pyridine	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295635	0	0.5	08/16/2023	121-82-4	RDX	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.72E-01
INORGANIC	SFB-23-295635	0	0.5	08/16/2023	Se	Selenium	1.10E+00	mg/kg	N	Y	1.10E+00	1.10E+00	8.90E-01
INORGANIC	SFB-23-295635	0	0.5	08/16/2023	Ag	Silver	6.24E+00	mg/kg		Y	6.24E+00	6.24E+00	4.64E-01
INORGANIC	SFB-23-295635	0	0.5	08/16/2023	Na	Sodium	9.52E+01	mg/kg		Y	9.52E+01	9.52E+01	2.32E+01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295635	0	0.5	08/16/2023	100-42-5	Styrene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295635	0	0.5	08/16/2023	3058-38-6	TATB	2.83E-01	mg/kg	U	N	ND	2.83E-01	9.43E-01
GENERAL CHEMISTRY	SFB-23-295635	0	0.5	08/16/2023	TEMP	Temperature	4.10E+00	deg C		Y		0.00E+00	
GENERAL CHEMISTRY	SFB-23-295635	0	0.5	08/16/2023	TEMP	Temperature	6.00E+00	deg C		Y		0.00E+00	
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	1.45E-07	mg/kg	U	N	ND	2.66E-07	1.00E-06
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	41903-57-5	Tetrachlorodibenzodioxins (Total)	4.44E-06	mg/kg	J	Y	4.44E-06	4.44E-06	1.00E-06
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	1.50E-06	mg/kg	B	N	ND	4.01E-07	1.00E-06
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	1.63E-06	mg/kg	B	N	ND	3.68E-07	1.00E-06
HRGC/HRMS	SFB-23-295635	0	0.5	08/16/2023	55722-27-5	Tetrachlorodibenzofurans (Totals)	7.50E-06	mg/kg	J	Y	7.50E-06	7.50E-06	1.00E-06
VOC	SFB-23-295635	0	0.5	08/16/2023	630-20-6	Tetrachloroethane[1,1,1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	79-34-5	Tetrachloroethane[1,1,2,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	127-18-4	Tetrachloroethene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295635	0	0.5	08/16/2023	479-45-8	Tetryl	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.72E-01
INORGANIC	SFB-23-295635	0	0.5	08/16/2023	Tl	Thallium	1.25E-01	mg/kg	U	N	ND	1.25E-01	3.56E-01
VOC	SFB-23-295635	0	0.5	08/16/2023	108-88-3	Toluene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
TPH	SFB-23-295635	0	0.5	08/16/2023	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	2.27E+00	mg/kg	J	Y	2.27E+00	2.27E+00	6.60E+00
TPH	SFB-23-295635	0	0.5	08/16/2023	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	1.67E+00	mg/kg	U	N	ND	1.67E+00	1.00E+01
PFAS	SFB-23-295635	0	0.5	08/16/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295635	0	0.5	08/16/2023	PFAS-Tot-37a	Total PFAS 37a	0.00E+00	ng/g	U	N	ND	1.61E-04	4.34E-01
PFAS	SFB-23-295635	0	0.5	08/16/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
VOC	SFB-23-295635	0	0.5	08/16/2023	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
SVOC	SFB-23-295635	0	0.5	08/16/2023	120-82-1	Trichlorobenzene[1,2,4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295635	0	0.5	08/16/2023	71-55-6	Trichloroethane[1,1,1-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	79-00-5	Trichloroethane[1,1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	79-01-6	Trichloroethene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	75-69-4	Trichlorofluoromethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295635	0	0.5	08/16/2023	95-95-4	Trichlorophenol[2,4,5-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295635	0	0.5	08/16/2023	88-06-2	Trichlorophenol[2,4,6-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295635	0	0.5	08/16/2023	96-18-4	Trichloropropane[1,2,3-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	95-63-6	Trimethylbenzene[1,2,4-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	108-67-8	Trimethylbenzene[1,3,5-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295635	0	0.5	08/16/2023	99-35-4	Trinitrobenzene[1,3,5-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.72E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295635	0	0.5	08/16/2023	118-96-7	Trinitrotoluene[2,4,6-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.72E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295635	0	0.5	08/16/2023	78-30-8	Tris (o-cresyl) phosphate	2.83E-01	mg/kg	U	N	ND	2.83E-01	9.43E-01
INORGANIC	SFB-23-295635	0	0.5	08/16/2023	V	Vanadium	8.44E+00	mg/kg		Y	8.44E+00	8.44E+00	4.64E-01
VOC	SFB-23-295635	0	0.5	08/16/2023	75-01-4	Vinyl Chloride	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	95-47-6	Xylene[1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295635	0	0.5	08/16/2023	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.62E-04	mg/kg	U	N	ND	6.62E-04	1.98E-03
INORGANIC	SFB-23-295635	0	0.5	08/16/2023	Zn	Zinc	2.48E+02	mg/kg		Y	2.48E+02	2.48E+02	1.86E+00
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.62E-01	ng/g	U	N	ND	1.62E-04	0.462
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.77E-01	ng/g	U	N	ND	3.77E-04	0.941
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	3.24E-01	ng/g	U	N	ND	3.24E-04	0.941
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	3.92E-01	ng/g	U	N	ND	3.92E-04	0.922
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.32E+00	ng/g	U	N	ND	1.32E-03	3.68
LCMS/MS HIGH EXPLOSIVES	SFB-23-295636	0.5	1.25	08/16/2023	6629-29-4	2,4-Diamino-6-nitrotoluene	4.85E-01	mg/kg	U	N	ND	4.85E-01	1.94E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295636	0.5	1.25	08/16/2023	59229-75-3	2,6-Diamino-4-nitrotoluene	6.41E-01	mg/kg	U	N	ND	6.41E-01	1.94E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295636	0.5	1.25	08/16/2023	618-87-1	3,5-Dinitroaniline	2.91E-01	mg/kg	U	N	ND	2.91E-01	9.71E-01
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.24E-01	ng/g	U	N	ND	3.24E-04	0.980
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.24E-01	ng/g	U	N	ND	3.24E-04	0.980
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.24E-01	ng/g	U	N	ND	3.24E-04	0.980
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.62E-01	ng/g	U	N	ND	1.62E-04	0.457
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	83-32-9	Acenaphthene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	208-96-8	Acenaphthylene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295636	0.5	1.25	08/16/2023	67-64-1	Acetone	2.50E-03	mg/kg	J	N	ND	1.66E-03	4.98E-03
INORGANIC	SFB-23-295636	0.5	1.25	08/16/2023	Al	Aluminum	3.22E+03	mg/kg		Y	3.22E+03	3.22E+03	1.72E+01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295636	0.5	1.25	08/16/2023	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295636	0.5	1.25	08/16/2023	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	62-53-3	Aniline	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	120-12-7	Anthracene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
INORGANIC	SFB-23-295636	0.5	1.25	08/16/2023	Sb	Antimony	2.84E-01	mg/kg	U	N	ND	2.84E-01	1.72E+00
INORGANIC	SFB-23-295636	0.5	1.25	08/16/2023	As	Arsenic	1.48E+00	mg/kg		Y	1.48E+00	1.48E+00	9.47E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	103-33-3	Azobenzene	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
INORGANIC	SFB-23-295636	0.5	1.25	08/16/2023	Ba	Barium	1.58E+03	mg/kg		Y	1.58E+03	1.58E+03	2.15E+00
VOC	SFB-23-295636	0.5	1.25	08/16/2023	71-43-2	Benzene	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	56-55-3	Benzo(a)anthracene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	50-32-8	Benzo(a)pyrene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	205-99-2	Benzo(b)fluoranthene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	191-24-2	Benzo(g,h,i)perylene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	207-08-9	Benzo(k)fluoranthene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	65-85-0	Benzoic Acid	5.24E-01	mg/kg	J	Y	5.24E-01	5.24E-01	6.66E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	100-51-6	Benzyl Alcohol	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
INORGANIC	SFB-23-295636	0.5	1.25	08/16/2023	Be	Beryllium	5.94E-01	mg/kg		Y	5.94E-01	5.94E-01	9.47E-02
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	111-91-1	Bis(2-chloroethoxy)methane	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	111-44-4	Bis(2-chloroethyl)ether	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	117-81-7	Bis(2-ethylhexyl)phthalate	1.60E-02	mg/kg	J	Y	1.60E-02	1.60E-02	3.33E-02
VOC	SFB-23-295636	0.5	1.25	08/16/2023	108-86-1	Bromobenzene	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	74-97-5	Bromochloromethane	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	75-27-4	Bromodichloromethane	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	75-25-2	Bromoform	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	74-83-9	Bromomethane	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	101-55-3	Bromophenyl-phenylether[4-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
VOC	SFB-23-295636	0.5	1.25	08/16/2023	78-93-3	Butanone[2-]	1.66E-03	mg/kg	U	N	ND	1.66E-03	4.98E-03
VOC	SFB-23-295636	0.5	1.25	08/16/2023	104-51-8	Butylbenzene[n-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	135-98-8	Butylbenzene[sec-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	98-06-6	Butylbenzene[tert-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	85-68-7	Butylbenzylphthalate	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
INORGANIC	SFB-23-295636	0.5	1.25	08/16/2023	Cd	Cadmium	8.59E-02	mg/kg	U	N	ND	8.59E-02	4.30E-01
INORGANIC	SFB-23-295636	0.5	1.25	08/16/2023	Ca	Calcium	1.07E+03	mg/kg	N	Y	1.07E+03	1.07E+03	2.15E+01
VOC	SFB-23-295636	0.5	1.25	08/16/2023	75-15-0	Carbon Disulfide	1.66E-03	mg/kg	U	N	ND	1.66E-03	4.98E-03
VOC	SFB-23-295636	0.5	1.25	08/16/2023	56-23-5	Carbon Tetrachloride	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	59-50-7	Chloro-3-methylphenol[4-]	1.33E-01	mg/kg	U	N	ND	1.33E-01	3.33E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	106-47-8	Chloroaniline[4-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
VOC	SFB-23-295636	0.5	1.25	08/16/2023	108-90-7	Chlorobenzene	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	124-48-1	Chlorodibromomethane	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	75-00-3	Chloroethane	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	67-66-3	Chloroform	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	74-87-3	Chloromethane	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	91-58-7	Chloronaphthalene[2-]	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	95-57-8	Chlorophenol[2-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	7005-72-3	Chlorophenyl-phenyl[4-] Ether	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
VOC	SFB-23-295636	0.5	1.25	08/16/2023	95-49-8	Chlorotoluene[2-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	106-43-4	Chlorotoluene[4-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
INORGANIC	SFB-23-295636	0.5	1.25	08/16/2023	Cr	Chromium	5.85E+00	mg/kg	*	Y	5.85E+00	5.85E+00	8.59E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	218-01-9	Chrysene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
INORGANIC	SFB-23-295636	0.5	1.25	08/16/2023	Co	Cobalt	2.27E+00	mg/kg		Y	2.27E+00	2.27E+00	2.15E+00
INORGANIC	SFB-23-295636	0.5	1.25	08/16/2023	Cu	Copper	8.20E+00	mg/kg		Y	8.20E+00	8.20E+00	1.72E+00
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	53-70-3	Dibenz(a,h)anthracene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	132-64-9	Dibenzofuran	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
VOC	SFB-23-295636	0.5	1.25	08/16/2023	96-12-8	Dibromo-3-Chloropropane[1,2-]	4.98E-04	mg/kg	U	N	ND	4.98E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	106-93-4	Dibromoethane[1,2-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	74-95-3	Dibromomethane	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	95-50-1	Dichlorobenzene[1,2-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	95-50-1	Dichlorobenzene[1,2-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
VOC	SFB-23-295636	0.5	1.25	08/16/2023	541-73-1	Dichlorobenzene[1,3-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	541-73-1	Dichlorobenzene[1,3-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
VOC	SFB-23-295636	0.5	1.25	08/16/2023	106-46-7	Dichlorobenzene[1,4-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	106-46-7	Dichlorobenzene[1,4-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	91-94-1	Dichlorobenzidine[3,3'-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
VOC	SFB-23-295636	0.5	1.25	08/16/2023	75-71-8	Dichlorodifluoromethane	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	75-34-3	Dichloroethane[1,1-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	107-06-2	Dichloroethane[1,2-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	75-35-4	Dichloroethene[1,1-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	156-59-2	Dichloroethene[cis-1,2-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	156-60-5	Dichloroethene[trans-1,2-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	120-83-2	Dichlorophenol[2,4-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
VOC	SFB-23-295636	0.5	1.25	08/16/2023	78-87-5	Dichloropropane[1,2-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	142-28-9	Dichloropropane[1,3-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	594-20-7	Dichloropropane[2,2-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	563-58-6	Dichloropropene[1,1-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	10061-01-5	Dichloropropene[cis-1,3-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	10061-02-6	Dichloropropene[trans-1,3-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	84-66-2	Diethylphthalate	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	131-11-3	Dimethyl Phthalate	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	105-67-9	Dimethylphenol[2,4-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	84-74-2	Di-n-butylphthalate	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	534-52-1	Dinitro-2-methylphenol[4,6-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295636	0.5	1.25	08/16/2023	99-65-0	Dinitrobenzene[1,3-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	51-28-5	Dinitrophenol[2,4-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	6.66E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295636	0.5	1.25	08/16/2023	121-14-2	Dinitrotoluene[2,4-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	121-14-2	Dinitrotoluene[2,4-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295636	0.5	1.25	08/16/2023	606-20-2	Dinitrotoluene[2,6-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	606-20-2	Dinitrotoluene[2,6-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	117-84-0	Di-n-octylphthalate	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	122-39-4	Diphenylamine	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.87E-01	ng/g	U	N	ND	3.87E-04	0.980
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.70E-01	ng/g	U	N	ND	2.70E-04	0.980
VOC	SFB-23-295636	0.5	1.25	08/16/2023	100-41-4	Ethylbenzene	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	4.02E-01	ng/g	U	N	ND	4.02E-04	0.980
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	206-44-0	Fluoranthene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	86-73-7	Fluorene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.24E-05	mg/kg		Y	1.24E-05	1.24E-05	4.97E-06
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	37871-00-4	Heptachlorodibenzodioxins (Total)	3.70E-05	mg/kg		Y	3.70E-05	3.70E-05	4.97E-06
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	4.00E-06	mg/kg	J	Y	4.00E-06	4.00E-06	4.97E-06
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.97E-07	mg/kg	U	N	ND	1.18E-06	4.97E-06
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	38998-75-3	Heptachlorodibenzofurans (Total)	7.03E-06	mg/kg	J	Y	7.03E-06	7.03E-06	4.97E-06
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	118-74-1	Hexachlorobenzene	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	87-68-3	Hexachlorobutadiene	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	77-47-4	Hexachlorocyclopentadiene	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.97E-07	mg/kg	U	N	ND	1.24E-06	4.97E-06
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	6.96E-07	mg/kg	J	Y	6.96E-07	6.96E-07	4.97E-06
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	6.53E-07	mg/kg	J	Y	6.53E-07	6.53E-07	4.97E-06

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	34465-46-8	Hexachlorodibenzodioxins (Total)	1.10E-05	mg/kg	J	Y	1.10E-05	1.10E-05	4.97E-06
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	9.73E-07	mg/kg	J	Y	9.73E-07	9.73E-07	4.97E-06
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.97E-07	mg/kg	U	N	ND	9.93E-07	4.97E-06
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.97E-07	mg/kg	U	N	ND	1.39E-06	4.97E-06
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	6.21E-07	mg/kg	JK	Y	6.21E-07	6.21E-07	4.97E-06
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	55684-94-1	Hexachlorodibenzofurans (Total)	4.26E-06	mg/kg	J	Y	4.26E-06	4.26E-06	4.97E-06
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	67-72-1	Hexachloroethane	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
VOC	SFB-23-295636	0.5	1.25	08/16/2023	591-78-6	Hexanone[2-]	1.66E-03	mg/kg	U	N	ND	1.66E-03	4.98E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295636	0.5	1.25	08/16/2023	2691-41-0	HMX	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	193-39-5	Indeno(1,2,3-cd)pyrene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
VOC	SFB-23-295636	0.5	1.25	08/16/2023	74-88-4	Iodomethane	1.66E-03	mg/kg	U	N	ND	1.66E-03	4.98E-03
INORGANIC	SFB-23-295636	0.5	1.25	08/16/2023	Fe	Iron	1.01E+04	mg/kg		Y	1.01E+04	1.01E+04	2.15E+01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	78-59-1	Isophorone	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
VOC	SFB-23-295636	0.5	1.25	08/16/2023	98-82-8	Isopropylbenzene	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	99-87-6	Isopropyltoluene[4-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
INORGANIC	SFB-23-295636	0.5	1.25	08/16/2023	Pb	Lead	1.28E+01	mg/kg	*	Y	1.28E+01	1.28E+01	1.72E+00
INORGANIC	SFB-23-295636	0.5	1.25	08/16/2023	Mg	Magnesium	1.04E+03	mg/kg	N	Y	1.04E+03	1.04E+03	2.58E+01
INORGANIC	SFB-23-295636	0.5	1.25	08/16/2023	Mn	Manganese	2.85E+02	mg/kg		Y	2.85E+02	2.85E+02	8.59E-01
INORGANIC	SFB-23-295636	0.5	1.25	08/16/2023	Hg	Mercury	9.81E-03	mg/kg	J	Y	9.81E-03	9.81E-03	2.28E-02
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[N	3.82E-01	ng/g	U	N	ND	3.82E-04	0.980
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.24E-01	ng/g	U	N	ND	3.24E-04	0.980
VOC	SFB-23-295636	0.5	1.25	08/16/2023	108-10-1	Methyl-2-pentanone[4-]	1.66E-03	mg/kg	U	N	ND	1.66E-03	4.98E-03
VOC	SFB-23-295636	0.5	1.25	08/16/2023	75-09-2	Methylene Chloride	1.66E-03	mg/kg	U	N	ND	1.66E-03	4.98E-03
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	91-57-6	Methylnaphthalene[2-]	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.26E-01	ng/g	U	N	ND	4.26E-04	0.980
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	95-48-7	Methylphenol[2-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	65794-96-9	Methylphenol[3-,4-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	91-20-3	Naphthalene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
INORGANIC	SFB-23-295636	0.5	1.25	08/16/2023	Ni	Nickel	3.26E+00	mg/kg	N	Y	3.26E+00	3.26E+00	3.79E-01
GENERAL CHEMISTRY	SFB-23-295636	0.5	1.25	08/16/2023	NO3	Nitrate	1.53E+00	mg/kg		Y	1.53E+00	1.53E+00	9.83E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	88-74-4	Nitroaniline[2-]	1.10E-01	mg/kg	U	N	ND	1.10E-01	3.33E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	99-09-2	Nitroaniline[3-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	100-01-6	Nitroaniline[4-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295636	0.5	1.25	08/16/2023	98-95-3	Nitrobenzene	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	98-95-3	Nitrobenzene	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	88-75-5	Nitrophenol[2-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	100-02-7	Nitrophenol[4-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	62-75-9	Nitrosodimethylamine[N-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	621-64-7	Nitroso-di-n-propylamine[N-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295636	0.5	1.25	08/16/2023	88-72-2	Nitrotoluene[2-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295636	0.5	1.25	08/16/2023	99-08-1	Nitrotoluene[3-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295636	0.5	1.25	08/16/2023	99-99-0	Nitrotoluene[4-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	6.64E-05	mg/kg		Y	6.64E-05	6.64E-05	9.95E-06
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	5.74E-06	mg/kg	J	Y	5.74E-06	5.74E-06	9.95E-06
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	108-60-1	Oxybis(1-chloropropane)[2,2'-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.97E-07	mg/kg	U	N	ND	1.30E-06	4.97E-06
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	36088-22-9	Pentachlorodibenzodioxins (Total)	1.79E-06	mg/kg	J	Y	1.79E-06	1.79E-06	4.97E-06
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	9.25E-07	mg/kg	J	Y	9.25E-07	9.25E-07	4.97E-06
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	5.95E-07	mg/kg	J	Y	5.95E-07	5.95E-07	4.97E-06
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	30402-15-4	Pentachlorodibenzofurans (Totals)	5.75E-06	mg/kg	J	Y	5.75E-06	5.75E-06	4.97E-06
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	87-86-5	Pentachlorophenol	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
LCMS/MS	SFB-23-295636	0.5	1.25	08/16/2023	ClO4	Perchlorate	4.90E-04	mg/kg	U	N	ND	4.90E-04	1.96E-03
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.81E-01	ng/g	U	N	ND	1.81E-04	0.466

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	375-73-5	Perfluorobutanesulfonic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.436
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	375-22-4	Perfluorobutanoic acid	1.96E-01	ng/g	U	N	ND	1.96E-04	0.490
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	335-77-3	Perfluorodecane sulfonate	1.62E-01	ng/g	U	N	ND	1.62E-04	0.475
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	335-76-2	Perfluorodecanoic acid	3.63E-01	ng/g	U	N	ND	3.63E-04	0.980
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	79780-39-5	Perfluorododecanesulfonic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.475
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	307-55-1	Perfluorododecanoic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	375-85-9	Perfluoroheptanoic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	355-46-4	Perfluorohexanesulfonic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.446
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	307-24-4	Perfluorohexanoic acid	1.96E-01	ng/g	U	N	ND	1.96E-04	0.490
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	68259-12-1	Perfluorononanesulfonic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.471
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	375-95-1	Perfluorononanoic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	1763-23-1	Perfluorooctanesulfonic acid	1.96E-01	ng/g	U	N	ND	1.96E-04	0.490
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	335-67-1	Perfluorooctanoic acid	1.96E-01	ng/g	U	N	ND	1.96E-04	0.490
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	2706-91-4	Perfluoropentanesulfonic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.461
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	2706-90-3	Perfluoropentanoic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	376-06-7	Perfluorotetradecanoic acid	1.96E-01	ng/g	U	N	ND	1.96E-04	0.490
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	72629-94-8	Perfluorotridecanoic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	2058-94-8	Perfluoroundecanoic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
LCMS/MS HIGH EXPLOSIVES	SFB-23-295636	0.5	1.25	08/16/2023	78-11-5	PETN	2.43E-01	mg/kg	U	N	ND	2.43E-01	9.71E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	85-01-8	Phenanthrene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	108-95-2	Phenol	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
INORGANIC	SFB-23-295636	0.5	1.25	08/16/2023	K	Potassium	7.90E+02	mg/kg	N	Y	7.90E+02	7.90E+02	2.15E+01
VOC	SFB-23-295636	0.5	1.25	08/16/2023	103-65-1	Propylbenzene[1-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	129-00-0	Pyrene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	110-86-1	Pyridine	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295636	0.5	1.25	08/16/2023	121-82-4	RDX	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
INORGANIC	SFB-23-295636	0.5	1.25	08/16/2023	Se	Selenium	1.10E+00	mg/kg	N	Y	1.10E+00	1.10E+00	9.47E-01
INORGANIC	SFB-23-295636	0.5	1.25	08/16/2023	Ag	Silver	3.02E+00	mg/kg		Y	3.02E+00	3.02E+00	4.30E-01
INORGANIC	SFB-23-295636	0.5	1.25	08/16/2023	Na	Sodium	1.07E+02	mg/kg		Y	1.07E+02	1.07E+02	2.15E+01
VOC	SFB-23-295636	0.5	1.25	08/16/2023	100-42-5	Styrene	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295636	0.5	1.25	08/16/2023	3058-38-6	TATB	2.91E-01	mg/kg	U	N	ND	2.91E-01	9.71E-01
GENERAL CHEMISTRY	SFB-23-295636	0.5	1.25	08/16/2023	TEMP	Temperature	4.10E+00	deg C		Y		0.00E+00	
GENERAL CHEMISTRY	SFB-23-295636	0.5	1.25	08/16/2023	TEMP	Temperature	6.00E+00	deg C		Y		0.00E+00	
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	1.74E-07	mg/kg	U	N	ND	2.65E-07	9.95E-07
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	41903-57-5	Tetrachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	2.65E-07	9.95E-07
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	1.46E-06	mg/kg	B	N	ND	3.99E-07	9.95E-07
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	1.40E-06	mg/kg	B	N	ND	3.66E-07	9.95E-07
HRGC/HRMS	SFB-23-295636	0.5	1.25	08/16/2023	55722-27-5	Tetrachlorodibenzofurans (Totals)	6.38E-06	mg/kg	J	Y	6.38E-06	6.38E-06	9.95E-07
VOC	SFB-23-295636	0.5	1.25	08/16/2023	630-20-6	Tetrachloroethane[1,1,1,2-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	79-34-5	Tetrachloroethane[1,1,2,2-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	127-18-4	Tetrachloroethene	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295636	0.5	1.25	08/16/2023	479-45-8	Tetryl	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
INORGANIC	SFB-23-295636	0.5	1.25	08/16/2023	Tl	Thallium	1.33E-01	mg/kg	U	N	ND	1.33E-01	3.79E-01
VOC	SFB-23-295636	0.5	1.25	08/16/2023	108-88-3	Toluene	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
TPH	SFB-23-295636	0.5	1.25	08/16/2023	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	9.84E+00	mg/kg		Y	9.84E+00	9.84E+00	6.63E+00
TPH	SFB-23-295636	0.5	1.25	08/16/2023	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	1.67E+00	mg/kg	U	N	ND	1.67E+00	1.00E+01
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	PFAS-Tot-37a	Total PFAS 37a	0.00E+00	ng/g	U	N	ND	1.62E-04	4.36E-01
PFAS	SFB-23-295636	0.5	1.25	08/16/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
VOC	SFB-23-295636	0.5	1.25	08/16/2023	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.66E-03	mg/kg	U	N	ND	1.66E-03	4.98E-03
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	120-82-1	Trichlorobenzene[1,2,4-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
VOC	SFB-23-295636	0.5	1.25	08/16/2023	71-55-6	Trichloroethane[1,1,1-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	79-00-5	Trichloroethane[1,1,2-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295636	0.5	1.25	08/16/2023	79-01-6	Trichloroethene	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	75-69-4	Trichlorofluoromethane	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	95-95-4	Trichlorophenol[2,4,5-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295636	0.5	1.25	08/16/2023	88-06-2	Trichlorophenol[2,4,6-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
VOC	SFB-23-295636	0.5	1.25	08/16/2023	96-18-4	Trichloropropane[1,2,3-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	95-63-6	Trimethylbenzene[1,2,4-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	108-67-8	Trimethylbenzene[1,3,5-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295636	0.5	1.25	08/16/2023	99-35-4	Trinitrobenzene[1,3,5-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295636	0.5	1.25	08/16/2023	118-96-7	Trinitrotoluene[2,4,6-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295636	0.5	1.25	08/16/2023	78-30-8	Tris (o-cresyl) phosphate	2.91E-01	mg/kg	U	N	ND	2.91E-01	9.71E-01
INORGANIC	SFB-23-295636	0.5	1.25	08/16/2023	V	Vanadium	8.19E+00	mg/kg		Y	8.19E+00	8.19E+00	4.30E-01
VOC	SFB-23-295636	0.5	1.25	08/16/2023	75-01-4	Vinyl Chloride	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	95-47-6	Xylene[1,2-]	3.32E-04	mg/kg	U	N	ND	3.32E-04	9.96E-04
VOC	SFB-23-295636	0.5	1.25	08/16/2023	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.64E-04	mg/kg	U	N	ND	6.64E-04	1.99E-03
INORGANIC	SFB-23-295636	0.5	1.25	08/16/2023	Zn	Zinc	1.46E+02	mg/kg		Y	1.46E+02	1.46E+02	1.72E+00
PFAS	SFB-23-295637	0	0.5	08/16/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.57E-01	ng/g	U	N	ND	1.57E-04	0.449
PFAS	SFB-23-295637	0	0.5	08/16/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.67E-01	ng/g	U	N	ND	3.67E-04	0.914
PFAS	SFB-23-295637	0	0.5	08/16/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	3.14E-01	ng/g	U	N	ND	3.14E-04	0.914
PFAS	SFB-23-295637	0	0.5	08/16/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	3.81E-01	ng/g	U	N	ND	3.81E-04	0.895
PFAS	SFB-23-295637	0	0.5	08/16/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.28E+00	ng/g	U	N	ND	1.28E-03	3.57
LCMS/MS HIGH EXPLOSIVES	SFB-23-295637	0	0.5	08/16/2023	6629-29-4	2,4-Diamino-6-nitrotoluene	4.85E-01	mg/kg	U	N	ND	4.85E-01	1.94E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295637	0	0.5	08/16/2023	59229-75-3	2,6-Diamino-4-nitrotoluene	6.41E-01	mg/kg	U	N	ND	6.41E-01	1.94E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295637	0	0.5	08/16/2023	618-87-1	3,5-Dinitroaniline	2.91E-01	mg/kg	U	N	ND	2.91E-01	9.71E-01
PFAS	SFB-23-295637	0	0.5	08/16/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.14E-01	ng/g	U	N	ND	3.14E-04	0.952
PFAS	SFB-23-295637	0	0.5	08/16/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.14E-01	ng/g	U	N	ND	3.14E-04	0.952
PFAS	SFB-23-295637	0	0.5	08/16/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.14E-01	ng/g	U	N	ND	3.14E-04	0.952
PFAS	SFB-23-295637	0	0.5	08/16/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.476
PFAS	SFB-23-295637	0	0.5	08/16/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfor	1.57E-01	ng/g	U	N	ND	1.57E-04	0.444
SVOC	SFB-23-295637	0	0.5	08/16/2023	83-32-9	Acenaphthene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295637	0	0.5	08/16/2023	208-96-8	Acenaphthylene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
VOC	SFB-23-295637	0	0.5	08/16/2023	67-64-1	Acetone	1.64E-03	mg/kg	U	N	ND	1.64E-03	4.91E-03
INORGANIC	SFB-23-295637	0	0.5	08/16/2023	Al	Aluminum	5.56E+03	mg/kg		Y	5.56E+03	5.56E+03	1.95E+01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295637	0	0.5	08/16/2023	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295637	0	0.5	08/16/2023	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	62-53-3	Aniline	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	120-12-7	Anthracene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
INORGANIC	SFB-23-295637	0	0.5	08/16/2023	Sb	Antimony	3.22E-01	mg/kg	U	N	ND	3.22E-01	1.95E+00
INORGANIC	SFB-23-295637	0	0.5	08/16/2023	As	Arsenic	2.09E+00	mg/kg		Y	2.09E+00	2.09E+00	9.54E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	103-33-3	Azobenzene	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
INORGANIC	SFB-23-295637	0	0.5	08/16/2023	Ba	Barium	1.25E+03	mg/kg		Y	1.25E+03	1.25E+03	4.87E-01
VOC	SFB-23-295637	0	0.5	08/16/2023	71-43-2	Benzene	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
SVOC	SFB-23-295637	0	0.5	08/16/2023	56-55-3	Benzo(a)anthracene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295637	0	0.5	08/16/2023	50-32-8	Benzo(a)pyrene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295637	0	0.5	08/16/2023	205-99-2	Benzo(b)fluoranthene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295637	0	0.5	08/16/2023	191-24-2	Benzo(g,h,i)perylene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295637	0	0.5	08/16/2023	207-08-9	Benzo(k)fluoranthene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295637	0	0.5	08/16/2023	65-85-0	Benzoic Acid	5.26E-01	mg/kg	J	Y	5.26E-01	5.26E-01	6.64E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	100-51-6	Benzyl Alcohol	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
INORGANIC	SFB-23-295637	0	0.5	08/16/2023	Be	Beryllium	7.93E-01	mg/kg		Y	7.93E-01	7.93E-01	9.54E-02
SVOC	SFB-23-295637	0	0.5	08/16/2023	111-91-1	Bis(2-chloroethoxy)methane	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	111-44-4	Bis(2-chloroethyl)ether	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	117-81-7	Bis(2-ethylhexyl)phthalate	3.83E+00	mg/kg		Y	3.83E+00	3.83E+00	3.32E-02
VOC	SFB-23-295637	0	0.5	08/16/2023	108-86-1	Bromobenzene	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	74-97-5	Bromochloromethane	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295637	0	0.5	08/16/2023	75-27-4	Bromodichloromethane	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	75-25-2	Bromoform	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	74-83-9	Bromomethane	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
SVOC	SFB-23-295637	0	0.5	08/16/2023	101-55-3	Bromophenyl-phenylether[4-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
VOC	SFB-23-295637	0	0.5	08/16/2023	78-93-3	Butanone[2-]	1.64E-03	mg/kg	U	N	ND	1.64E-03	4.91E-03
VOC	SFB-23-295637	0	0.5	08/16/2023	104-51-8	Butylbenzene[n-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	135-98-8	Butylbenzene[sec-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	98-06-6	Butylbenzene[tert-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
SVOC	SFB-23-295637	0	0.5	08/16/2023	85-68-7	Butylbenzylphthalate	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
INORGANIC	SFB-23-295637	0	0.5	08/16/2023	Cd	Cadmium	9.75E-02	mg/kg	U	N	ND	9.75E-02	4.87E-01
INORGANIC	SFB-23-295637	0	0.5	08/16/2023	Ca	Calcium	1.88E+03	mg/kg	N	Y	1.88E+03	1.88E+03	2.44E+01
VOC	SFB-23-295637	0	0.5	08/16/2023	75-15-0	Carbon Disulfide	1.64E-03	mg/kg	U	N	ND	1.64E-03	4.91E-03
VOC	SFB-23-295637	0	0.5	08/16/2023	56-23-5	Carbon Tetrachloride	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
SVOC	SFB-23-295637	0	0.5	08/16/2023	59-50-7	Chloro-3-methylphenol[4-]	1.33E-01	mg/kg	U	N	ND	1.33E-01	3.32E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	106-47-8	Chloroaniline[4-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
VOC	SFB-23-295637	0	0.5	08/16/2023	108-90-7	Chlorobenzene	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	124-48-1	Chlorodibromomethane	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	75-00-3	Chloroethane	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	67-66-3	Chloroform	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	74-87-3	Chloromethane	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
SVOC	SFB-23-295637	0	0.5	08/16/2023	91-58-7	Chloronaphthalene[2-]	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295637	0	0.5	08/16/2023	95-57-8	Chlorophenol[2-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	7005-72-3	Chlorophenyl-phenyl[4-] Ether	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
VOC	SFB-23-295637	0	0.5	08/16/2023	95-49-8	Chlorotoluene[2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	106-43-4	Chlorotoluene[4-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
INORGANIC	SFB-23-295637	0	0.5	08/16/2023	Cr	Chromium	7.34E+00	mg/kg	*	Y	7.34E+00	7.34E+00	9.75E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	218-01-9	Chrysene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
INORGANIC	SFB-23-295637	0	0.5	08/16/2023	Co	Cobalt	3.56E+00	mg/kg		Y	3.56E+00	3.56E+00	4.87E-01
INORGANIC	SFB-23-295637	0	0.5	08/16/2023	Cu	Copper	6.85E+00	mg/kg		Y	6.85E+00	6.85E+00	1.95E+00
SVOC	SFB-23-295637	0	0.5	08/16/2023	53-70-3	Dibenz(a,h)anthracene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295637	0	0.5	08/16/2023	132-64-9	Dibenzofuran	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
VOC	SFB-23-295637	0	0.5	08/16/2023	96-12-8	Dibromo-3-Chloropropane[1,2-]	4.91E-04	mg/kg	U	N	ND	4.91E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	106-93-4	Dibromoethane[1,2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	74-95-3	Dibromomethane	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	95-50-1	Dichlorobenzene[1,2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
SVOC	SFB-23-295637	0	0.5	08/16/2023	95-50-1	Dichlorobenzene[1,2-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
VOC	SFB-23-295637	0	0.5	08/16/2023	541-73-1	Dichlorobenzene[1,3-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
SVOC	SFB-23-295637	0	0.5	08/16/2023	541-73-1	Dichlorobenzene[1,3-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
VOC	SFB-23-295637	0	0.5	08/16/2023	106-46-7	Dichlorobenzene[1,4-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
SVOC	SFB-23-295637	0	0.5	08/16/2023	106-46-7	Dichlorobenzene[1,4-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	91-94-1	Dichlorobenzidine[3,3'-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
VOC	SFB-23-295637	0	0.5	08/16/2023	75-71-8	Dichlorodifluoromethane	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	75-34-3	Dichloroethane[1,1-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	107-06-2	Dichloroethane[1,2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	75-35-4	Dichloroethene[1,1-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	156-59-2	Dichloroethene[cis-1,2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	156-60-5	Dichloroethene[trans-1,2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
SVOC	SFB-23-295637	0	0.5	08/16/2023	120-83-2	Dichlorophenol[2,4-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
VOC	SFB-23-295637	0	0.5	08/16/2023	78-87-5	Dichloropropane[1,2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	142-28-9	Dichloropropane[1,3-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	594-20-7	Dichloropropane[2,2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	563-58-6	Dichloropropene[1,1-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	10061-01-5	Dichloropropene[cis-1,3-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	10061-02-6	Dichloropropene[trans-1,3-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295637	0	0.5	08/16/2023	84-66-2	Diethylphthalate	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295637	0	0.5	08/16/2023	131-11-3	Dimethyl Phthalate	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295637	0	0.5	08/16/2023	105-67-9	Dimethylphenol[2,4-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	84-74-2	Di-n-butylphthalate	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295637	0	0.5	08/16/2023	534-52-1	Dinitro-2-methylphenol[4,6-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295637	0	0.5	08/16/2023	99-65-0	Dinitrobenzene[1,3-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	51-28-5	Dinitrophenol[2,4-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	6.64E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295637	0	0.5	08/16/2023	121-14-2	Dinitrotoluene[2,4-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	121-14-2	Dinitrotoluene[2,4-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295637	0	0.5	08/16/2023	606-20-2	Dinitrotoluene[2,6-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	606-20-2	Dinitrotoluene[2,6-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	117-84-0	Di-n-octylphthalate	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295637	0	0.5	08/16/2023	122-39-4	Diphenylamine	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
PFAS	SFB-23-295637	0	0.5	08/16/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.76E-01	ng/g	U	N	ND	3.76E-04	0.952
PFAS	SFB-23-295637	0	0.5	08/16/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.62E-01	ng/g	U	N	ND	2.62E-04	0.952
VOC	SFB-23-295637	0	0.5	08/16/2023	100-41-4	Ethylbenzene	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
PFAS	SFB-23-295637	0	0.5	08/16/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	3.90E-01	ng/g	U	N	ND	3.90E-04	0.952
SVOC	SFB-23-295637	0	0.5	08/16/2023	206-44-0	Fluoranthene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295637	0	0.5	08/16/2023	86-73-7	Fluorene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	9.36E-05	mg/kg		Y	9.36E-05	9.36E-05	4.98E-06
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	37871-00-4	Heptachlorodibenzodioxins (Total)	1.80E-04	mg/kg	J	Y	1.80E-04	1.80E-04	4.98E-06
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	3.19E-05	mg/kg		Y	3.19E-05	3.19E-05	4.98E-06
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.81E-06	mg/kg	J	Y	1.81E-06	1.81E-06	4.98E-06
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	38998-75-3	Heptachlorodibenzofurans (Total)	6.48E-05	mg/kg	J	Y	6.48E-05	6.48E-05	4.98E-06
SVOC	SFB-23-295637	0	0.5	08/16/2023	118-74-1	Hexachlorobenzene	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	87-68-3	Hexachlorobutadiene	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	77-47-4	Hexachlorocyclopentadiene	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	1.94E-06	mg/kg	J	Y	1.94E-06	1.94E-06	4.98E-06
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	3.60E-06	mg/kg	JK	Y	3.60E-06	3.60E-06	4.98E-06
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.51E-06	mg/kg	J	Y	4.51E-06	4.51E-06	4.98E-06
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	34465-46-8	Hexachlorodibenzodioxins (Total)	3.48E-05	mg/kg	J	Y	3.48E-05	3.48E-05	4.98E-06
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.51E-06	mg/kg	JK	Y	1.51E-06	1.51E-06	4.98E-06
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	1.29E-06	mg/kg	J	Y	1.29E-06	1.29E-06	4.98E-06
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.98E-07	mg/kg	U	N	ND	1.39E-06	4.98E-06
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.69E-06	mg/kg	J	Y	1.69E-06	1.69E-06	4.98E-06
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	55684-94-1	Hexachlorodibenzofurans (Total)	2.47E-05	mg/kg	J	Y	2.47E-05	2.47E-05	4.98E-06
SVOC	SFB-23-295637	0	0.5	08/16/2023	67-72-1	Hexachloroethane	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
PFAS	SFB-23-295637	0	0.5	08/16/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.57E-01	ng/g	U	N	ND	1.57E-04	0.476
VOC	SFB-23-295637	0	0.5	08/16/2023	591-78-6	Hexanone[2-]	1.64E-03	mg/kg	U	N	ND	1.64E-03	4.91E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295637	0	0.5	08/16/2023	2691-41-0	HMX	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	193-39-5	Indeno(1,2,3-cd)pyrene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
VOC	SFB-23-295637	0	0.5	08/16/2023	74-88-4	Iodomethane	1.64E-03	mg/kg	U	N	ND	1.64E-03	4.91E-03
INORGANIC	SFB-23-295637	0	0.5	08/16/2023	Fe	Iron	1.06E+04	mg/kg		Y	1.06E+04	1.06E+04	2.44E+01
SVOC	SFB-23-295637	0	0.5	08/16/2023	78-59-1	Isophorone	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
VOC	SFB-23-295637	0	0.5	08/16/2023	98-82-8	Isopropylbenzene	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	99-87-6	Isopropyltoluene[4-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
INORGANIC	SFB-23-295637	0	0.5	08/16/2023	Pb	Lead	1.05E+01	mg/kg	*	Y	1.05E+01	1.05E+01	1.95E+00
INORGANIC	SFB-23-295637	0	0.5	08/16/2023	Mg	Magnesium	1.13E+03	mg/kg	N	Y	1.13E+03	1.13E+03	2.92E+01
INORGANIC	SFB-23-295637	0	0.5	08/16/2023	Mn	Manganese	2.28E+02	mg/kg		Y	2.28E+02	2.28E+02	9.75E-01
INORGANIC	SFB-23-295637	0	0.5	08/16/2023	Hg	Mercury	1.87E-02	mg/kg	J	Y	1.87E-02	1.87E-02	2.02E-02
PFAS	SFB-23-295637	0	0.5	08/16/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[N	3.71E-01	ng/g	U	N	ND	3.71E-04	0.952
PFAS	SFB-23-295637	0	0.5	08/16/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.14E-01	ng/g	U	N	ND	3.14E-04	0.952
VOC	SFB-23-295637	0	0.5	08/16/2023	108-10-1	Methyl-2-pentanone[4-]	1.64E-03	mg/kg	U	N	ND	1.64E-03	4.91E-03
VOC	SFB-23-295637	0	0.5	08/16/2023	75-09-2	Methylene Chloride	2.01E-03	mg/kg	J	N	ND	1.64E-03	4.91E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295637	0	0.5	08/16/2023	91-57-6	Methylnaphthalene[2-]	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
PFAS	SFB-23-295637	0	0.5	08/16/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.14E-01	ng/g	U	N	ND	4.14E-04	0.952
SVOC	SFB-23-295637	0	0.5	08/16/2023	95-48-7	Methylphenol[2-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	65794-96-9	Methylphenol[3-,4-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	91-20-3	Naphthalene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
INORGANIC	SFB-23-295637	0	0.5	08/16/2023	Ni	Nickel	5.78E+00	mg/kg	N	Y	5.78E+00	5.78E+00	3.82E-01
GENERAL CHEMISTRY	SFB-23-295637	0	0.5	08/16/2023	NO3	Nitrate	1.82E+01	mg/kg		Y	1.82E+01	1.82E+01	9.52E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	88-74-4	Nitroaniline[2-]	1.10E-01	mg/kg	U	N	ND	1.10E-01	3.32E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	99-09-2	Nitroaniline[3-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	100-01-6	Nitroaniline[4-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295637	0	0.5	08/16/2023	98-95-3	Nitrobenzene	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	98-95-3	Nitrobenzene	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	88-75-5	Nitrophenol[2-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	100-02-7	Nitrophenol[4-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	62-75-9	Nitrosodimethylamine[N-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	621-64-7	Nitroso-di-n-propylamine[N-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295637	0	0.5	08/16/2023	88-72-2	Nitrotoluene[2-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295637	0	0.5	08/16/2023	99-08-1	Nitrotoluene[3-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295637	0	0.5	08/16/2023	99-99-0	Nitrotoluene[4-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	6.09E-04	mg/kg		Y	6.09E-04	6.09E-04	9.96E-06
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	5.38E-05	mg/kg		Y	5.38E-05	5.38E-05	9.96E-06
SVOC	SFB-23-295637	0	0.5	08/16/2023	108-60-1	Oxybis(1-chloropropane)[2,2'-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	8.81E-07	mg/kg	JK	Y	8.81E-07	8.81E-07	4.98E-06
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	36088-22-9	Pentachlorodibenzodioxins (Total)	3.96E-06	mg/kg	J	Y	3.96E-06	3.96E-06	4.98E-06
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	8.69E-07	mg/kg	J	Y	8.69E-07	8.69E-07	4.98E-06
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.98E-07	mg/kg	U	N	ND	1.29E-06	4.98E-06
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	30402-15-4	Pentachlorodibenzofurans (Totals)	8.27E-06	mg/kg	J	Y	8.27E-06	8.27E-06	4.98E-06
SVOC	SFB-23-295637	0	0.5	08/16/2023	87-86-5	Pentachlorophenol	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
LCMS/MS	SFB-23-295637	0	0.5	08/16/2023	ClO4	Perchlorate	9.71E-04	mg/kg	J	Y	9.71E-04	9.71E-04	1.96E-03
PFAS	SFB-23-295637	0	0.5	08/16/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.76E-01	ng/g	U	N	ND	1.76E-04	0.452
PFAS	SFB-23-295637	0	0.5	08/16/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.57E-01	ng/g	U	N	ND	1.57E-04	0.476
PFAS	SFB-23-295637	0	0.5	08/16/2023	375-73-5	Perfluorobutanesulfonic acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.424
PFAS	SFB-23-295637	0	0.5	08/16/2023	375-22-4	Perfluorobutanoic acid	1.90E-01	ng/g	U	N	ND	1.90E-04	0.476
PFAS	SFB-23-295637	0	0.5	08/16/2023	335-77-3	Perfluorodecane sulfonate	1.57E-01	ng/g	U	N	ND	1.57E-04	0.462
PFAS	SFB-23-295637	0	0.5	08/16/2023	335-76-2	Perfluorodecanoic acid	3.52E-01	ng/g	U	N	ND	3.52E-04	0.952
PFAS	SFB-23-295637	0	0.5	08/16/2023	79780-39-5	Perfluorododecanesulfonic acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.461
PFAS	SFB-23-295637	0	0.5	08/16/2023	307-55-1	Perfluorododecanoic acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.476
PFAS	SFB-23-295637	0	0.5	08/16/2023	375-85-9	Perfluoroheptanoic acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.476
PFAS	SFB-23-295637	0	0.5	08/16/2023	355-46-4	Perfluorohexanesulfonic acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.433
PFAS	SFB-23-295637	0	0.5	08/16/2023	307-24-4	Perfluorohexanoic acid	1.90E-01	ng/g	U	N	ND	1.90E-04	0.476
PFAS	SFB-23-295637	0	0.5	08/16/2023	68259-12-1	Perfluorononanesulfonic acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.457
PFAS	SFB-23-295637	0	0.5	08/16/2023	375-95-1	Perfluorononanoic acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.476
PFAS	SFB-23-295637	0	0.5	08/16/2023	1763-23-1	Perfluorooctanesulfonic acid	1.90E-01	ng/g	U	N	ND	1.90E-04	0.476
PFAS	SFB-23-295637	0	0.5	08/16/2023	335-67-1	Perfluorooctanoic acid	1.90E-01	ng/g	U	N	ND	1.90E-04	0.476
PFAS	SFB-23-295637	0	0.5	08/16/2023	2706-91-4	Perfluoropentanesulfonic acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.448
PFAS	SFB-23-295637	0	0.5	08/16/2023	2706-90-3	Perfluoropentanoic acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.476
PFAS	SFB-23-295637	0	0.5	08/16/2023	376-06-7	Perfluorotetradecanoic acid	1.90E-01	ng/g	U	N	ND	1.90E-04	0.476
PFAS	SFB-23-295637	0	0.5	08/16/2023	72629-94-8	Perfluorotridecanoic acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.476
PFAS	SFB-23-295637	0	0.5	08/16/2023	2058-94-8	Perfluoroundecanoic acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.476
LCMS/MS HIGH EXPLOSIVES	SFB-23-295637	0	0.5	08/16/2023	78-11-5	PETN	2.43E-01	mg/kg	U	N	ND	2.43E-01	9.71E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	85-01-8	Phenanthrene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295637	0	0.5	08/16/2023	108-95-2	Phenol	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
INORGANIC	SFB-23-295637	0	0.5	08/16/2023	K	Potassium	1.47E+03	mg/kg	N	Y	1.47E+03	1.47E+03	2.44E+01
VOC	SFB-23-295637	0	0.5	08/16/2023	103-65-1	Propylbenzene[1-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295637	0	0.5	08/16/2023	129-00-0	Pyrene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295637	0	0.5	08/16/2023	110-86-1	Pyridine	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295637	0	0.5	08/16/2023	121-82-4	RDX	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
INORGANIC	SFB-23-295637	0	0.5	08/16/2023	Se	Selenium	7.21E-01	mg/kg	JN	Y	7.21E-01	7.21E-01	9.54E-01
INORGANIC	SFB-23-295637	0	0.5	08/16/2023	Ag	Silver	1.50E+00	mg/kg		Y	1.50E+00	1.50E+00	4.87E-01
INORGANIC	SFB-23-295637	0	0.5	08/16/2023	Na	Sodium	4.98E+01	mg/kg		Y	4.98E+01	4.98E+01	2.44E+01
VOC	SFB-23-295637	0	0.5	08/16/2023	100-42-5	Styrene	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295637	0	0.5	08/16/2023	3058-38-6	TATB	2.91E-01	mg/kg	U	N	ND	2.91E-01	9.71E-01
GENERAL CHEMISTRY	SFB-23-295637	0	0.5	08/16/2023	TEMP	Temperature	4.10E+00	deg C		Y		0.00E+00	
GENERAL CHEMISTRY	SFB-23-295637	0	0.5	08/16/2023	TEMP	Temperature	6.00E+00	deg C		Y		0.00E+00	
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	3.85E-07	mg/kg	J	Y	3.85E-07	3.85E-07	9.96E-07
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	41903-57-5	Tetrachlorodibenzodioxins (Total)	2.28E-06	mg/kg	J	Y	2.28E-06	2.28E-06	9.96E-07
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	5.00E-07	mg/kg	BJ	N	ND	3.99E-07	9.96E-07
HRGC/HRMS	SFB-23-295637	0	0.5	08/16/2023	55722-27-5	Tetrachlorodibenzofurans (Totals)	3.92E-06	mg/kg	J	Y	3.92E-06	3.92E-06	9.96E-07
VOC	SFB-23-295637	0	0.5	08/16/2023	630-20-6	Tetrachloroethane[1,1,1,2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	79-34-5	Tetrachloroethane[1,1,2,2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	127-18-4	Tetrachloroethene	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295637	0	0.5	08/16/2023	479-45-8	Tetryl	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
INORGANIC	SFB-23-295637	0	0.5	08/16/2023	Tl	Thallium	1.55E-01	mg/kg	J	Y	1.55E-01	1.55E-01	3.82E-01
VOC	SFB-23-295637	0	0.5	08/16/2023	108-88-3	Toluene	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
TPH	SFB-23-295637	0	0.5	08/16/2023	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	7.85E+00	mg/kg		Y	7.85E+00	7.85E+00	6.65E+00
TPH	SFB-23-295637	0	0.5	08/16/2023	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	1.67E+00	mg/kg	U	N	ND	1.67E+00	1.00E+01
PFAS	SFB-23-295637	0	0.5	08/16/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295637	0	0.5	08/16/2023	PFAS-Tot-37a	Total PFAS 37a	0.00E+00	ng/g	U	N	ND	1.57E-04	4.24E-01
PFAS	SFB-23-295637	0	0.5	08/16/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
VOC	SFB-23-295637	0	0.5	08/16/2023	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.64E-03	mg/kg	U	N	ND	1.64E-03	4.91E-03
SVOC	SFB-23-295637	0	0.5	08/16/2023	120-82-1	Trichlorobenzene[1,2,4-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
VOC	SFB-23-295637	0	0.5	08/16/2023	71-55-6	Trichloroethane[1,1,1-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	79-00-5	Trichloroethane[1,1,2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	79-01-6	Trichloroethene	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	75-69-4	Trichlorofluoromethane	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
SVOC	SFB-23-295637	0	0.5	08/16/2023	95-95-4	Trichlorophenol[2,4,5-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295637	0	0.5	08/16/2023	88-06-2	Trichlorophenol[2,4,6-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
VOC	SFB-23-295637	0	0.5	08/16/2023	96-18-4	Trichloropropane[1,2,3-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	95-63-6	Trimethylbenzene[1,2,4-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	108-67-8	Trimethylbenzene[1,3,5-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295637	0	0.5	08/16/2023	99-35-4	Trinitrobenzene[1,3,5-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295637	0	0.5	08/16/2023	118-96-7	Trinitrotoluene[2,4,6-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.85E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295637	0	0.5	08/16/2023	78-30-8	Tris (o-cresyl) phosphate	2.91E-01	mg/kg	U	N	ND	2.91E-01	9.71E-01
INORGANIC	SFB-23-295637	0	0.5	08/16/2023	V	Vanadium	1.93E+01	mg/kg		Y	1.93E+01	1.93E+01	4.87E-01
VOC	SFB-23-295637	0	0.5	08/16/2023	75-01-4	Vinyl Chloride	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	95-47-6	Xylene[1,2-]	3.27E-04	mg/kg	U	N	ND	3.27E-04	9.82E-04
VOC	SFB-23-295637	0	0.5	08/16/2023	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.55E-04	mg/kg	U	N	ND	6.55E-04	1.96E-03
INORGANIC	SFB-23-295637	0	0.5	08/16/2023	Zn	Zinc	3.33E+01	mg/kg		Y	3.33E+01	3.33E+01	1.95E+00
PFAS	SFB-23-295638	0	0.5	08/16/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.59E-01	ng/g	U	N	ND	1.59E-04	0.453
PFAS	SFB-23-295638	0	0.5	08/16/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.70E-01	ng/g	U	N	ND	3.70E-04	0.923
PFAS	SFB-23-295638	0	0.5	08/16/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	3.17E-01	ng/g	U	N	ND	3.17E-04	0.923
PFAS	SFB-23-295638	0	0.5	08/16/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	3.85E-01	ng/g	U	N	ND	3.85E-04	0.904
PFAS	SFB-23-295638	0	0.5	08/16/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.29E+00	ng/g	U	N	ND	1.29E-03	3.61
LCMS/MS HIGH EXPLOSIVES	SFB-23-295638	0	0.5	08/16/2023	6629-29-4	2,4-Diamino-6-nitrotoluene	4.74E-01	mg/kg	U	N	ND	4.74E-01	1.90E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295638	0	0.5	08/16/2023	59229-75-3	2,6-Diamino-4-nitrotoluene	6.26E-01	mg/kg	U	N	ND	6.26E-01	1.90E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295638	0	0.5	08/16/2023	618-87-1	3,5-Dinitroaniline	2.84E-01	mg/kg	U	N	ND	2.84E-01	9.48E-01
PFAS	SFB-23-295638	0	0.5	08/16/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962
PFAS	SFB-23-295638	0	0.5	08/16/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
PFAS	SFB-23-295638	0	0.5	08/16/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962
PFAS	SFB-23-295638	0	0.5	08/16/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295638	0	0.5	08/16/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfor	1.59E-01	ng/g	U	N	ND	1.59E-04	0.448
SVOC	SFB-23-295638	0	0.5	08/16/2023	83-32-9	Acenaphthene	9.98E-03	mg/kg	U	N	ND	9.98E-03	3.33E-02
SVOC	SFB-23-295638	0	0.5	08/16/2023	208-96-8	Acenaphthylene	9.98E-03	mg/kg	U	N	ND	9.98E-03	3.33E-02
VOC	SFB-23-295638	0	0.5	08/16/2023	67-64-1	Acetone	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
INORGANIC	SFB-23-295638	0	0.5	08/16/2023	Al	Aluminum	6.06E+03	mg/kg		Y	6.06E+03	6.06E+03	1.97E+01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295638	0	0.5	08/16/2023	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295638	0	0.5	08/16/2023	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	62-53-3	Aniline	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	120-12-7	Anthracene	9.98E-03	mg/kg	U	N	ND	9.98E-03	3.33E-02
INORGANIC	SFB-23-295638	0	0.5	08/16/2023	Sb	Antimony	3.25E-01	mg/kg	U	N	ND	3.25E-01	1.97E+00
INORGANIC	SFB-23-295638	0	0.5	08/16/2023	As	Arsenic	2.33E+00	mg/kg		Y	2.33E+00	2.33E+00	8.62E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	103-33-3	Azobenzene	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
INORGANIC	SFB-23-295638	0	0.5	08/16/2023	Ba	Barium	1.22E+03	mg/kg		Y	1.22E+03	1.22E+03	4.92E-01
VOC	SFB-23-295638	0	0.5	08/16/2023	71-43-2	Benzene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295638	0	0.5	08/16/2023	56-55-3	Benzo(a)anthracene	9.98E-03	mg/kg	U	N	ND	9.98E-03	3.33E-02
SVOC	SFB-23-295638	0	0.5	08/16/2023	50-32-8	Benzo(a)pyrene	9.98E-03	mg/kg	U	N	ND	9.98E-03	3.33E-02
SVOC	SFB-23-295638	0	0.5	08/16/2023	205-99-2	Benzo(b)fluoranthene	9.98E-03	mg/kg	U	N	ND	9.98E-03	3.33E-02
SVOC	SFB-23-295638	0	0.5	08/16/2023	191-24-2	Benzo(g,h,i)perylene	9.98E-03	mg/kg	U	N	ND	9.98E-03	3.33E-02
SVOC	SFB-23-295638	0	0.5	08/16/2023	207-08-9	Benzo(k)fluoranthene	9.98E-03	mg/kg	U	N	ND	9.98E-03	3.33E-02
SVOC	SFB-23-295638	0	0.5	08/16/2023	65-85-0	Benzoic Acid	5.31E-01	mg/kg	J	Y	5.31E-01	5.31E-01	6.66E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	100-51-6	Benzyl Alcohol	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
INORGANIC	SFB-23-295638	0	0.5	08/16/2023	Be	Beryllium	1.01E+00	mg/kg		Y	1.01E+00	1.01E+00	8.62E-02
SVOC	SFB-23-295638	0	0.5	08/16/2023	111-91-1	Bis(2-chloroethoxy)methane	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	111-44-4	Bis(2-chloroethyl)ether	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	117-81-7	Bis(2-ethylhexyl)phthalate	2.35E-01	mg/kg		Y	2.35E-01	2.35E-01	3.33E-02
VOC	SFB-23-295638	0	0.5	08/16/2023	108-86-1	Bromobenzene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	74-97-5	Bromochloromethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	75-27-4	Bromodichloromethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	75-25-2	Bromoform	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	74-83-9	Bromomethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295638	0	0.5	08/16/2023	101-55-3	Bromophenyl-phenylether[4-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
VOC	SFB-23-295638	0	0.5	08/16/2023	78-93-3	Butanone[2-]	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
VOC	SFB-23-295638	0	0.5	08/16/2023	104-51-8	Butylbenzene[n-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	135-98-8	Butylbenzene[sec-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	98-06-6	Butylbenzene[tert-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295638	0	0.5	08/16/2023	85-68-7	Butylbenzylphthalate	9.98E-03	mg/kg	U	N	ND	9.98E-03	3.33E-02
INORGANIC	SFB-23-295638	0	0.5	08/16/2023	Cd	Cadmium	9.84E-02	mg/kg	U	N	ND	9.84E-02	4.92E-01
INORGANIC	SFB-23-295638	0	0.5	08/16/2023	Ca	Calcium	1.90E+03	mg/kg	N	Y	1.90E+03	1.90E+03	2.46E+01
VOC	SFB-23-295638	0	0.5	08/16/2023	75-15-0	Carbon Disulfide	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
VOC	SFB-23-295638	0	0.5	08/16/2023	56-23-5	Carbon Tetrachloride	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295638	0	0.5	08/16/2023	59-50-7	Chloro-3-methylphenol[4-]	1.33E-01	mg/kg	U	N	ND	1.33E-01	3.33E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	106-47-8	Chloroaniline[4-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
VOC	SFB-23-295638	0	0.5	08/16/2023	108-90-7	Chlorobenzene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	124-48-1	Chlorodibromomethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	75-00-3	Chloroethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	67-66-3	Chloroform	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	74-87-3	Chloromethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295638	0	0.5	08/16/2023	91-58-7	Chloronaphthalene[2-]	9.98E-03	mg/kg	U	N	ND	9.98E-03	3.33E-02
SVOC	SFB-23-295638	0	0.5	08/16/2023	95-57-8	Chlorophenol[2-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	7005-72-3	Chlorophenyl-phenyl[4-] Ether	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
VOC	SFB-23-295638	0	0.5	08/16/2023	95-49-8	Chlorotoluene[2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	106-43-4	Chlorotoluene[4-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
INORGANIC	SFB-23-295638	0	0.5	08/16/2023	Cr	Chromium	6.94E+00	mg/kg	*	Y	6.94E+00	6.94E+00	9.84E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	218-01-9	Chrysene	9.98E-03	mg/kg	U	N	ND	9.98E-03	3.33E-02
INORGANIC	SFB-23-295638	0	0.5	08/16/2023	Co	Cobalt	3.44E+00	mg/kg		Y	3.44E+00	3.44E+00	4.92E-01
INORGANIC	SFB-23-295638	0	0.5	08/16/2023	Cu	Copper	7.15E+00	mg/kg		Y	7.15E+00	7.15E+00	1.97E+00
SVOC	SFB-23-295638	0	0.5	08/16/2023	53-70-3	Dibenz(a,h)anthracene	9.98E-03	mg/kg	U	N	ND	9.98E-03	3.33E-02
SVOC	SFB-23-295638	0	0.5	08/16/2023	132-64-9	Dibenzofuran	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
VOC	SFB-23-295638	0	0.5	08/16/2023	96-12-8	Dibromo-3-Chloropropane[1,2-]	4.96E-04	mg/kg	U	N	ND	4.96E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	106-93-4	Dibromoethane[1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	74-95-3	Dibromomethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	95-50-1	Dichlorobenzene[1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295638	0	0.5	08/16/2023	95-50-1	Dichlorobenzene[1,2-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
VOC	SFB-23-295638	0	0.5	08/16/2023	541-73-1	Dichlorobenzene[1,3-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295638	0	0.5	08/16/2023	541-73-1	Dichlorobenzene[1,3-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
VOC	SFB-23-295638	0	0.5	08/16/2023	106-46-7	Dichlorobenzene[1,4-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295638	0	0.5	08/16/2023	106-46-7	Dichlorobenzene[1,4-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	91-94-1	Dichlorobenzidine[3,3'-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
VOC	SFB-23-295638	0	0.5	08/16/2023	75-71-8	Dichlorodifluoromethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	75-34-3	Dichloroethane[1,1-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	107-06-2	Dichloroethane[1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	75-35-4	Dichloroethene[1,1-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	156-59-2	Dichloroethene[cis-1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	156-60-5	Dichloroethene[trans-1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295638	0	0.5	08/16/2023	120-83-2	Dichlorophenol[2,4-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
VOC	SFB-23-295638	0	0.5	08/16/2023	78-87-5	Dichloropropane[1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	142-28-9	Dichloropropane[1,3-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	594-20-7	Dichloropropane[2,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	563-58-6	Dichloropropene[1,1-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	10061-01-5	Dichloropropene[cis-1,3-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	10061-02-6	Dichloropropene[trans-1,3-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295638	0	0.5	08/16/2023	84-66-2	Diethylphthalate	9.98E-03	mg/kg	U	N	ND	9.98E-03	3.33E-02
SVOC	SFB-23-295638	0	0.5	08/16/2023	131-11-3	Dimethyl Phthalate	9.98E-03	mg/kg	U	N	ND	9.98E-03	3.33E-02
SVOC	SFB-23-295638	0	0.5	08/16/2023	105-67-9	Dimethylphenol[2,4-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	84-74-2	Di-n-butylphthalate	9.98E-03	mg/kg	U	N	ND	9.98E-03	3.33E-02
SVOC	SFB-23-295638	0	0.5	08/16/2023	534-52-1	Dinitro-2-methylphenol[4,6-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295638	0	0.5	08/16/2023	99-65-0	Dinitrobenzene[1,3-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	51-28-5	Dinitrophenol[2,4-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	6.66E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295638	0	0.5	08/16/2023	121-14-2	Dinitrotoluene[2,4-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	121-14-2	Dinitrotoluene[2,4-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295638	0	0.5	08/16/2023	606-20-2	Dinitrotoluene[2,6-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	606-20-2	Dinitrotoluene[2,6-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	117-84-0	Di-n-octylphthalate	9.98E-03	mg/kg	U	N	ND	9.98E-03	3.33E-02
SVOC	SFB-23-295638	0	0.5	08/16/2023	122-39-4	Diphenylamine	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
PFAS	SFB-23-295638	0	0.5	08/16/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.80E-01	ng/g	U	N	ND	3.80E-04	0.962
PFAS	SFB-23-295638	0	0.5	08/16/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.64E-01	ng/g	U	N	ND	2.64E-04	0.962
VOC	SFB-23-295638	0	0.5	08/16/2023	100-41-4	Ethylbenzene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
PFAS	SFB-23-295638	0	0.5	08/16/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	3.94E-01	ng/g	U	N	ND	3.94E-04	0.962
SVOC	SFB-23-295638	0	0.5	08/16/2023	206-44-0	Fluoranthene	9.98E-03	mg/kg	U	N	ND	9.98E-03	3.33E-02
SVOC	SFB-23-295638	0	0.5	08/16/2023	86-73-7	Fluorene	9.98E-03	mg/kg	U	N	ND	9.98E-03	3.33E-02
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.22E-04	mg/kg		Y	1.22E-04	1.22E-04	5.00E-06
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	37871-00-4	Heptachlorodibenzodioxins (Total)	2.26E-04	mg/kg		Y	2.26E-04	2.26E-04	5.00E-06
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	4.04E-05	mg/kg		Y	4.04E-05	4.04E-05	5.00E-06
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	2.66E-06	mg/kg	J	Y	2.66E-06	2.66E-06	5.00E-06
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	38998-75-3	Heptachlorodibenzofurans (Total)	8.89E-05	mg/kg	J	Y	8.89E-05	8.89E-05	5.00E-06
SVOC	SFB-23-295638	0	0.5	08/16/2023	118-74-1	Hexachlorobenzene	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295638	0	0.5	08/16/2023	87-68-3	Hexachlorobutadiene	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	77-47-4	Hexachlorocyclopentadiene	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	2.48E-06	mg/kg	J	Y	2.48E-06	2.48E-06	5.00E-06
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.33E-06	mg/kg	J	Y	4.33E-06	4.33E-06	5.00E-06
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	5.23E-06	mg/kg		Y	5.23E-06	5.23E-06	5.00E-06
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	34465-46-8	Hexachlorodibenzodioxins (Total)	4.75E-05	mg/kg	J	Y	4.75E-05	4.75E-05	5.00E-06
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.68E-06	mg/kg	J	Y	1.68E-06	1.68E-06	5.00E-06
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	1.55E-06	mg/kg	J	Y	1.55E-06	1.55E-06	5.00E-06
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	5.00E-07	mg/kg	U	N	ND	1.40E-06	5.00E-06
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.93E-06	mg/kg	J	Y	1.93E-06	1.93E-06	5.00E-06
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	55684-94-1	Hexachlorodibenzofurans (Total)	3.20E-05	mg/kg	J	Y	3.20E-05	3.20E-05	5.00E-06
SVOC	SFB-23-295638	0	0.5	08/16/2023	67-72-1	Hexachloroethane	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
PFAS	SFB-23-295638	0	0.5	08/16/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
VOC	SFB-23-295638	0	0.5	08/16/2023	591-78-6	Hexanone[2-]	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295638	0	0.5	08/16/2023	2691-41-0	HMX	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	193-39-5	Indeno(1,2,3-cd)pyrene	9.98E-03	mg/kg	U	N	ND	9.98E-03	3.33E-02
VOC	SFB-23-295638	0	0.5	08/16/2023	74-88-4	Iodomethane	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
INORGANIC	SFB-23-295638	0	0.5	08/16/2023	Fe	Iron	1.01E+04	mg/kg		Y	1.01E+04	1.01E+04	2.46E+01
SVOC	SFB-23-295638	0	0.5	08/16/2023	78-59-1	Isophorone	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
VOC	SFB-23-295638	0	0.5	08/16/2023	98-82-8	Isopropylbenzene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	99-87-6	Isopropyltoluene[4-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
INORGANIC	SFB-23-295638	0	0.5	08/16/2023	Pb	Lead	1.17E+01	mg/kg	*	Y	1.17E+01	1.17E+01	1.97E+00
INORGANIC	SFB-23-295638	0	0.5	08/16/2023	Mg	Magnesium	1.54E+03	mg/kg	N	Y	1.54E+03	1.54E+03	2.95E+01
INORGANIC	SFB-23-295638	0	0.5	08/16/2023	Mn	Manganese	2.37E+02	mg/kg		Y	2.37E+02	2.37E+02	9.84E-01
INORGANIC	SFB-23-295638	0	0.5	08/16/2023	Hg	Mercury	9.24E-03	mg/kg	J	Y	9.24E-03	9.24E-03	2.28E-02
PFAS	SFB-23-295638	0	0.5	08/16/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[N	3.75E-01	ng/g	U	N	ND	3.75E-04	0.962
PFAS	SFB-23-295638	0	0.5	08/16/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962
VOC	SFB-23-295638	0	0.5	08/16/2023	108-10-1	Methyl-2-pentanone[4-]	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
VOC	SFB-23-295638	0	0.5	08/16/2023	75-09-2	Methylene Chloride	1.83E-03	mg/kg	J	N	ND	1.65E-03	4.96E-03
SVOC	SFB-23-295638	0	0.5	08/16/2023	91-57-6	Methylnaphthalene[2-]	9.98E-03	mg/kg	U	N	ND	9.98E-03	3.33E-02
PFAS	SFB-23-295638	0	0.5	08/16/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.18E-01	ng/g	U	N	ND	4.18E-04	0.962
SVOC	SFB-23-295638	0	0.5	08/16/2023	95-48-7	Methylphenol[2-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	65794-96-9	Methylphenol[3-,4-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	91-20-3	Naphthalene	9.98E-03	mg/kg	U	N	ND	9.98E-03	3.33E-02
INORGANIC	SFB-23-295638	0	0.5	08/16/2023	Ni	Nickel	7.24E+00	mg/kg	N	Y	7.24E+00	7.24E+00	3.45E-01
GENERAL CHEMISTRY	SFB-23-295638	0	0.5	08/16/2023	NO3	Nitrate	1.89E+01	mg/kg		Y	1.89E+01	1.89E+01	9.80E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	88-74-4	Nitroaniline[2-]	1.10E-01	mg/kg	U	N	ND	1.10E-01	3.33E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	99-09-2	Nitroaniline[3-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	100-01-6	Nitroaniline[4-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	98-95-3	Nitrobenzene	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295638	0	0.5	08/16/2023	98-95-3	Nitrobenzene	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	88-75-5	Nitrophenol[2-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	100-02-7	Nitrophenol[4-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	62-75-9	Nitrosodimethylamine[N-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	621-64-7	Nitroso-di-n-propylamine[N-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295638	0	0.5	08/16/2023	88-72-2	Nitrotoluene[2-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295638	0	0.5	08/16/2023	99-08-1	Nitrotoluene[3-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295638	0	0.5	08/16/2023	99-99-0	Nitrotoluene[4-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	7.68E-04	mg/kg		Y	7.68E-04	7.68E-04	9.99E-06
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	7.66E-05	mg/kg		Y	7.66E-05	7.66E-05	9.99E-06
SVOC	SFB-23-295638	0	0.5	08/16/2023	108-60-1	Oxybis(1-chloropropane)[2,2'-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	9.21E-07	mg/kg	JK	Y	9.21E-07	9.21E-07	5.00E-06
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	36088-22-9	Pentachlorodibenzodioxins (Total)	6.53E-06	mg/kg	J	Y	6.53E-06	6.53E-06	5.00E-06
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	1.31E-06	mg/kg	J	Y	1.31E-06	1.31E-06	5.00E-06

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	5.00E-07	mg/kg	U	N	ND	1.29E-06	5.00E-06
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	30402-15-4	Pentachlorodibenzofurans (Totals)	1.13E-05	mg/kg	J	Y	1.13E-05	1.13E-05	5.00E-06
SVOC	SFB-23-295638	0	0.5	08/16/2023	87-86-5	Pentachlorophenol	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
LCMS/MS	SFB-23-295638	0	0.5	08/16/2023	ClO4	Perchlorate	1.06E-03	mg/kg	J	Y	1.06E-03	1.06E-03	1.96E-03
PFAS	SFB-23-295638	0	0.5	08/16/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.78E-01	ng/g	U	N	ND	1.78E-04	0.457
PFAS	SFB-23-295638	0	0.5	08/16/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295638	0	0.5	08/16/2023	375-73-5	Perfluorobutanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.428
PFAS	SFB-23-295638	0	0.5	08/16/2023	375-22-4	Perfluorobutanoic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295638	0	0.5	08/16/2023	335-77-3	Perfluorodecane sulfonate	1.59E-01	ng/g	U	N	ND	1.59E-04	0.466
PFAS	SFB-23-295638	0	0.5	08/16/2023	335-76-2	Perfluorodecanoic acid	3.56E-01	ng/g	U	N	ND	3.56E-04	0.962
PFAS	SFB-23-295638	0	0.5	08/16/2023	79780-39-5	Perfluorododecanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.465
PFAS	SFB-23-295638	0	0.5	08/16/2023	307-55-1	Perfluorododecanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295638	0	0.5	08/16/2023	375-85-9	Perfluoroheptanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295638	0	0.5	08/16/2023	355-46-4	Perfluorohexanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.438
PFAS	SFB-23-295638	0	0.5	08/16/2023	307-24-4	Perfluorohexanoic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295638	0	0.5	08/16/2023	68259-12-1	Perfluorononanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.462
PFAS	SFB-23-295638	0	0.5	08/16/2023	375-95-1	Perfluorononanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295638	0	0.5	08/16/2023	1763-23-1	Perfluorooctanesulfonic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295638	0	0.5	08/16/2023	335-67-1	Perfluorooctanoic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295638	0	0.5	08/16/2023	2706-91-4	Perfluoropentanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.452
PFAS	SFB-23-295638	0	0.5	08/16/2023	2706-90-3	Perfluoropentanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295638	0	0.5	08/16/2023	376-06-7	Perfluorotetradecanoic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295638	0	0.5	08/16/2023	72629-94-8	Perfluorotridecanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295638	0	0.5	08/16/2023	2058-94-8	Perfluoroundecanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
LCMS/MS HIGH EXPLOSIVES	SFB-23-295638	0	0.5	08/16/2023	78-11-5	PETN	2.37E-01	mg/kg	U	N	ND	2.37E-01	9.48E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	85-01-8	Phenanthrene	9.98E-03	mg/kg	U	N	ND	9.98E-03	3.33E-02
SVOC	SFB-23-295638	0	0.5	08/16/2023	108-95-2	Phenol	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
INORGANIC	SFB-23-295638	0	0.5	08/16/2023	K	Potassium	1.59E+03	mg/kg	N	Y	1.59E+03	1.59E+03	2.46E+01
VOC	SFB-23-295638	0	0.5	08/16/2023	103-65-1	Propylbenzene[1-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295638	0	0.5	08/16/2023	129-00-0	Pyrene	9.98E-03	mg/kg	U	N	ND	9.98E-03	3.33E-02
SVOC	SFB-23-295638	0	0.5	08/16/2023	110-86-1	Pyridine	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295638	0	0.5	08/16/2023	121-82-4	RDX	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
INORGANIC	SFB-23-295638	0	0.5	08/16/2023	Se	Selenium	6.24E-01	mg/kg	JN	Y	6.24E-01	6.24E-01	8.62E-01
INORGANIC	SFB-23-295638	0	0.5	08/16/2023	Ag	Silver	1.65E+00	mg/kg		Y	1.65E+00	1.65E+00	4.92E-01
INORGANIC	SFB-23-295638	0	0.5	08/16/2023	Na	Sodium	6.24E+01	mg/kg		Y	6.24E+01	6.24E+01	2.46E+01
VOC	SFB-23-295638	0	0.5	08/16/2023	100-42-5	Styrene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295638	0	0.5	08/16/2023	3058-38-6	TATB	2.84E-01	mg/kg	U	N	ND	2.84E-01	9.48E-01
GENERAL CHEMISTRY	SFB-23-295638	0	0.5	08/16/2023	TEMP	Temperature	4.10E+00	deg C		Y		0.00E+00	
GENERAL CHEMISTRY	SFB-23-295638	0	0.5	08/16/2023	TEMP	Temperature	6.00E+00	deg C		Y		0.00E+00	
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	4.34E-07	mg/kg	J	Y	4.34E-07	4.34E-07	9.99E-07
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	41903-57-5	Tetrachlorodibenzodioxins (Total)	1.21E-06	mg/kg	J	Y	1.21E-06	1.21E-06	9.99E-07
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	1.30E-06	mg/kg	B	N	ND	4.01E-07	9.99E-07
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	1.11E-06	mg/kg	B	N	ND	3.68E-07	9.99E-07
HRGC/HRMS	SFB-23-295638	0	0.5	08/16/2023	55722-27-5	Tetrachlorodibenzofurans (Totals)	6.49E-06	mg/kg	J	Y	6.49E-06	6.49E-06	9.99E-07
VOC	SFB-23-295638	0	0.5	08/16/2023	630-20-6	Tetrachloroethane[1,1,1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	79-34-5	Tetrachloroethane[1,1,2,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	127-18-4	Tetrachloroethene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295638	0	0.5	08/16/2023	479-45-8	Tetryl	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
INORGANIC	SFB-23-295638	0	0.5	08/16/2023	Tl	Thallium	1.76E-01	mg/kg	J	Y	1.76E-01	1.76E-01	3.45E-01
VOC	SFB-23-295638	0	0.5	08/16/2023	108-88-3	Toluene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
TPH	SFB-23-295638	0	0.5	08/16/2023	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	5.21E+00	mg/kg	J	Y	5.21E+00	5.21E+00	6.65E+00
TPH	SFB-23-295638	0	0.5	08/16/2023	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	1.67E+00	mg/kg	U	N	ND	1.67E+00	1.00E+01
PFAS	SFB-23-295638	0	0.5	08/16/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295638	0	0.5	08/16/2023	PFAS-Tot-37a	Total PFAS 37a	0.00E+00	ng/g	U	N	ND	1.59E-04	4.28E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
PFAS	SFB-23-295638	0	0.5	08/16/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
VOC	SFB-23-295638	0	0.5	08/16/2023	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
SVOC	SFB-23-295638	0	0.5	08/16/2023	120-82-1	Trichlorobenzene[1,2,4-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
VOC	SFB-23-295638	0	0.5	08/16/2023	71-55-6	Trichloroethane[1,1,1-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	79-00-5	Trichloroethane[1,1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	79-01-6	Trichloroethene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	75-69-4	Trichlorofluoromethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295638	0	0.5	08/16/2023	95-95-4	Trichlorophenol[2,4,5-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
SVOC	SFB-23-295638	0	0.5	08/16/2023	88-06-2	Trichlorophenol[2,4,6-]	9.98E-02	mg/kg	U	N	ND	9.98E-02	3.33E-01
VOC	SFB-23-295638	0	0.5	08/16/2023	96-18-4	Trichloropropane[1,2,3-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	95-63-6	Trimethylbenzene[1,2,4-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	108-67-8	Trimethylbenzene[1,3,5-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295638	0	0.5	08/16/2023	99-35-4	Trinitrobenzene[1,3,5-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295638	0	0.5	08/16/2023	118-96-7	Trinitrotoluene[2,4,6-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295638	0	0.5	08/16/2023	78-30-8	Tris (o-cresyl) phosphate	2.84E-01	mg/kg	U	N	ND	2.84E-01	9.48E-01
INORGANIC	SFB-23-295638	0	0.5	08/16/2023	V	Vanadium	1.71E+01	mg/kg		Y	1.71E+01	1.71E+01	4.92E-01
VOC	SFB-23-295638	0	0.5	08/16/2023	75-01-4	Vinyl Chloride	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	95-47-6	Xylene[1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295638	0	0.5	08/16/2023	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.62E-04	mg/kg	U	N	ND	6.62E-04	1.98E-03
INORGANIC	SFB-23-295638	0	0.5	08/16/2023	Zn	Zinc	3.45E+01	mg/kg		Y	3.45E+01	3.45E+01	1.97E+00
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.47E-01	ng/g	U	N	ND	1.47E-04	0.419
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.42E-01	ng/g	U	N	ND	3.42E-04	0.853
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	2.93E-01	ng/g	U	N	ND	2.93E-04	0.853
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	3.56E-01	ng/g	U	N	ND	3.56E-04	0.836
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.20E+00	ng/g	U	N	ND	1.20E-03	3.33
LCMS/MS HIGH EXPLOSIVES	SFB-23-295639	0.0	0.50	08/16/2023	6629-29-4	2,4-Diamino-6-nitrotoluene	4.83E-01	mg/kg	U	N	ND	4.83E-01	1.93E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295639	0.0	0.50	08/16/2023	59229-75-3	2,6-Diamino-4-nitrotoluene	6.38E-01	mg/kg	U	N	ND	6.38E-01	1.93E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295639	0.0	0.50	08/16/2023	618-87-1	3,5-Dinitroaniline	2.90E-01	mg/kg	U	N	ND	2.90E-01	9.66E-01
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	812-70-4	3-Perfluoroheptyl propanoic acid	2.93E-01	ng/g	U	N	ND	2.93E-04	0.889
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	914637-49-3	3-Perfluoropentyl propanoic acid	2.93E-01	ng/g	U	N	ND	2.93E-04	0.889
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	356-02-5	3-Perfluoropropyl propanoic acid	2.93E-01	ng/g	U	N	ND	2.93E-04	0.889
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.47E-01	ng/g	U	N	ND	1.47E-04	0.444
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.47E-01	ng/g	U	N	ND	1.47E-04	0.414
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	83-32-9	Acenaphthene	9.95E-03	mg/kg	U	N	ND	9.95E-03	3.32E-02
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	208-96-8	Acenaphthylene	9.95E-03	mg/kg	U	N	ND	9.95E-03	3.32E-02
VOC	SFB-23-295639	0.0	0.50	08/16/2023	67-64-1	Acetone	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
INORGANIC	SFB-23-295639	0.0	0.50	08/16/2023	Al	Aluminum	5.81E+03	mg/kg		Y	5.81E+03	5.81E+03	1.96E+01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295639	0.0	0.50	08/16/2023	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.45E-01	mg/kg	U	N	ND	1.45E-01	4.83E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295639	0.0	0.50	08/16/2023	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.45E-01	mg/kg	U	N	ND	1.45E-01	4.83E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	62-53-3	Aniline	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	120-12-7	Anthracene	1.19E-02	mg/kg	J	Y	1.19E-02	1.19E-02	3.32E-02
INORGANIC	SFB-23-295639	0.0	0.50	08/16/2023	Sb	Antimony	3.24E-01	mg/kg	U	N	ND	3.24E-01	1.96E+00
INORGANIC	SFB-23-295639	0.0	0.50	08/16/2023	As	Arsenic	1.71E+00	mg/kg		Y	1.71E+00	1.71E+00	9.35E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	103-33-3	Azobenzene	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
INORGANIC	SFB-23-295639	0.0	0.50	08/16/2023	Ba	Barium	4.24E+02	mg/kg		Y	4.24E+02	4.24E+02	4.90E-01
VOC	SFB-23-295639	0.0	0.50	08/16/2023	71-43-2	Benzene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	56-55-3	Benzo(a)anthracene	2.55E-02	mg/kg	J	Y	2.55E-02	2.55E-02	3.32E-02
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	50-32-8	Benzo(a)pyrene	2.26E-02	mg/kg	J	Y	2.26E-02	2.26E-02	3.32E-02
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	205-99-2	Benzo(b)fluoranthene	6.10E-02	mg/kg		Y	6.10E-02	6.10E-02	3.32E-02
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	191-24-2	Benzo(g,h,i)perylene	1.19E-02	mg/kg	J	Y	1.19E-02	1.19E-02	3.32E-02
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	207-08-9	Benzo(k)fluoranthene	1.79E-02	mg/kg	J	Y	1.79E-02	1.79E-02	3.32E-02
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	65-85-0	Benzoic Acid	5.25E-01	mg/kg	J	Y	5.25E-01	5.25E-01	6.64E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	100-51-6	Benzyl Alcohol	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
INORGANIC	SFB-23-295639	0.0	0.50	08/16/2023	Be	Beryllium	8.64E-01	mg/kg		Y	8.64E-01	8.64E-01	9.35E-02

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	111-91-1	Bis(2-chloroethoxy)methane	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	111-44-4	Bis(2-chloroethyl)ether	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	117-81-7	Bis(2-ethylhexyl)phthalate	4.08E-02	mg/kg		Y	4.08E-02	4.08E-02	3.32E-02
VOC	SFB-23-295639	0.0	0.50	08/16/2023	108-86-1	Bromobenzene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	74-97-5	Bromochloromethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	75-27-4	Bromodichloromethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	75-25-2	Bromoform	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	74-83-9	Bromomethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	101-55-3	Bromophenyl-phenylether[4-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
VOC	SFB-23-295639	0.0	0.50	08/16/2023	78-93-3	Butanone[2-]	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
VOC	SFB-23-295639	0.0	0.50	08/16/2023	104-51-8	Butylbenzene[n-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	135-98-8	Butylbenzene[sec-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	98-06-6	Butylbenzene[tert-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	85-68-7	Butylbenzylphthalate	9.95E-03	mg/kg	U	N	ND	9.95E-03	3.32E-02
INORGANIC	SFB-23-295639	0.0	0.50	08/16/2023	Cd	Cadmium	9.80E-02	mg/kg	U	N	ND	9.80E-02	4.90E-01
INORGANIC	SFB-23-295639	0.0	0.50	08/16/2023	Ca	Calcium	1.66E+03	mg/kg	N	Y	1.66E+03	1.66E+03	2.45E+01
VOC	SFB-23-295639	0.0	0.50	08/16/2023	75-15-0	Carbon Disulfide	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
VOC	SFB-23-295639	0.0	0.50	08/16/2023	56-23-5	Carbon Tetrachloride	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	59-50-7	Chloro-3-methylphenol[4-]	1.33E-01	mg/kg	U	N	ND	1.33E-01	3.32E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	106-47-8	Chloroaniline[4-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
VOC	SFB-23-295639	0.0	0.50	08/16/2023	108-90-7	Chlorobenzene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	124-48-1	Chlorodibromomethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	75-00-3	Chloroethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	67-66-3	Chloroform	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	74-87-3	Chloromethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	91-58-7	Chloronaphthalene[2-]	9.95E-03	mg/kg	U	N	ND	9.95E-03	3.32E-02
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	95-57-8	Chlorophenol[2-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	7005-72-3	Chlorophenyl-phenyl[4-] Ether	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
VOC	SFB-23-295639	0.0	0.50	08/16/2023	95-49-8	Chlorotoluene[2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	106-43-4	Chlorotoluene[4-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
INORGANIC	SFB-23-295639	0.0	0.50	08/16/2023	Cr	Chromium	6.40E+00	mg/kg	*	Y	6.40E+00	6.40E+00	9.80E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	218-01-9	Chrysene	5.54E-02	mg/kg		Y	5.54E-02	5.54E-02	3.32E-02
INORGANIC	SFB-23-295639	0.0	0.50	08/16/2023	Co	Cobalt	2.45E+00	mg/kg		Y	2.45E+00	2.45E+00	4.90E-01
INORGANIC	SFB-23-295639	0.0	0.50	08/16/2023	Cu	Copper	8.13E+00	mg/kg		Y	8.13E+00	8.13E+00	1.96E+00
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	53-70-3	Dibenz(a,h)anthracene	9.95E-03	mg/kg	U	N	ND	9.95E-03	3.32E-02
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	132-64-9	Dibenzofuran	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
VOC	SFB-23-295639	0.0	0.50	08/16/2023	96-12-8	Dibromo-3-Chloropropane[1,2-]	4.96E-04	mg/kg	U	N	ND	4.96E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	106-93-4	Dibromoethane[1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	74-95-3	Dibromomethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	95-50-1	Dichlorobenzene[1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	95-50-1	Dichlorobenzene[1,2-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
VOC	SFB-23-295639	0.0	0.50	08/16/2023	541-73-1	Dichlorobenzene[1,3-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	541-73-1	Dichlorobenzene[1,3-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
VOC	SFB-23-295639	0.0	0.50	08/16/2023	106-46-7	Dichlorobenzene[1,4-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	106-46-7	Dichlorobenzene[1,4-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	91-94-1	Dichlorobenzidine[3,3'-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
VOC	SFB-23-295639	0.0	0.50	08/16/2023	75-71-8	Dichlorodifluoromethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	75-34-3	Dichloroethane[1,1-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	107-06-2	Dichloroethane[1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	75-35-4	Dichloroethene[1,1-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	156-59-2	Dichloroethene[cis-1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	156-60-5	Dichloroethene[trans-1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	120-83-2	Dichlorophenol[2,4-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
VOC	SFB-23-295639	0.0	0.50	08/16/2023	78-87-5	Dichloropropane[1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295639	0.0	0.50	08/16/2023	142-28-9	Dichloropropane[1,3-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	594-20-7	Dichloropropane[2,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	563-58-6	Dichloropropene[1,1-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	10061-01-5	Dichloropropene[cis-1,3-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	10061-02-6	Dichloropropene[trans-1,3-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	84-66-2	Diethylphthalate	9.95E-03	mg/kg	U	N	ND	9.95E-03	3.32E-02
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	131-11-3	Dimethyl Phthalate	9.95E-03	mg/kg	U	N	ND	9.95E-03	3.32E-02
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	105-67-9	Dimethylphenol[2,4-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	84-74-2	Di-n-butylphthalate	9.95E-03	mg/kg	U	N	ND	9.95E-03	3.32E-02
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	534-52-1	Dinitro-2-methylphenol[4,6-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295639	0.0	0.50	08/16/2023	99-65-0	Dinitrobenzene[1,3-]	1.45E-01	mg/kg	U	N	ND	1.45E-01	4.83E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	51-28-5	Dinitrophenol[2,4-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	6.64E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	121-14-2	Dinitrotoluene[2,4-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295639	0.0	0.50	08/16/2023	121-14-2	Dinitrotoluene[2,4-]	1.45E-01	mg/kg	U	N	ND	1.45E-01	4.83E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	606-20-2	Dinitrotoluene[2,6-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295639	0.0	0.50	08/16/2023	606-20-2	Dinitrotoluene[2,6-]	1.45E-01	mg/kg	U	N	ND	1.45E-01	4.83E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	117-84-0	Di-n-octylphthalate	9.95E-03	mg/kg	U	N	ND	9.95E-03	3.32E-02
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	122-39-4	Diphenylamine	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.51E-01	ng/g	U	N	ND	3.51E-04	0.889
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.44E-01	ng/g	U	N	ND	2.44E-04	0.889
VOC	SFB-23-295639	0.0	0.50	08/16/2023	100-41-4	Ethylbenzene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	3.64E-01	ng/g	U	N	ND	3.64E-04	0.889
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	206-44-0	Fluoranthene	1.33E-02	mg/kg	J	Y	1.33E-02	1.33E-02	3.32E-02
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	86-73-7	Fluorene	9.95E-03	mg/kg	U	N	ND	9.95E-03	3.32E-02
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	5.65E-03	mg/kg		Y	5.65E-03	5.65E-03	2.50E-05
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	37871-00-4	Heptachlorodibenzodioxins (Total)	9.62E-03	mg/kg		Y	9.62E-03	9.62E-03	2.50E-05
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	1.86E-03	mg/kg		Y	1.86E-03	1.86E-03	2.50E-05
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.08E-04	mg/kg		Y	1.08E-04	1.08E-04	2.50E-05
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	38998-75-3	Heptachlorodibenzofurans (Total)	4.17E-03	mg/kg		Y	4.17E-03	4.17E-03	2.50E-05
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	118-74-1	Hexachlorobenzene	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	87-68-3	Hexachlorobutadiene	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	77-47-4	Hexachlorocyclopentadiene	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	1.34E-04	mg/kg		Y	1.34E-04	1.34E-04	2.50E-05
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	2.21E-04	mg/kg		Y	2.21E-04	2.21E-04	2.50E-05
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	2.53E-04	mg/kg		Y	2.53E-04	2.53E-04	2.50E-05
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	34465-46-8	Hexachlorodibenzodioxins (Total)	2.08E-03	mg/kg	J	Y	2.08E-03	2.08E-03	2.50E-05
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	5.97E-05	mg/kg		Y	5.97E-05	5.97E-05	2.50E-05
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	6.66E-05	mg/kg		Y	6.66E-05	6.66E-05	2.50E-05
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	6.82E-06	mg/kg	JK	Y	6.82E-06	6.82E-06	2.50E-05
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	9.98E-05	mg/kg		Y	9.98E-05	9.98E-05	2.50E-05
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	55684-94-1	Hexachlorodibenzofurans (Total)	1.81E-03	mg/kg	J	Y	1.81E-03	1.81E-03	2.50E-05
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	67-72-1	Hexachloroethane	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.47E-01	ng/g	U	N	ND	1.47E-04	0.444
VOC	SFB-23-295639	0.0	0.50	08/16/2023	591-78-6	Hexanone[2-]	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295639	0.0	0.50	08/16/2023	2691-41-0	HMX	1.45E-01	mg/kg	U	N	ND	1.45E-01	4.83E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	193-39-5	Indeno(1,2,3-cd)pyrene	1.06E-02	mg/kg	J	Y	1.06E-02	1.06E-02	3.32E-02
VOC	SFB-23-295639	0.0	0.50	08/16/2023	74-88-4	Iodomethane	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
INORGANIC	SFB-23-295639	0.0	0.50	08/16/2023	Fe	Iron	7.13E+03	mg/kg		Y	7.13E+03	7.13E+03	2.45E+01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	78-59-1	Isophorone	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
VOC	SFB-23-295639	0.0	0.50	08/16/2023	98-82-8	Isopropylbenzene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	99-87-6	Isopropyltoluene[4-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
INORGANIC	SFB-23-295639	0.0	0.50	08/16/2023	Pb	Lead	7.36E+00	mg/kg	*	Y	7.36E+00	7.36E+00	1.96E+00
INORGANIC	SFB-23-295639	0.0	0.50	08/16/2023	Mg	Magnesium	1.25E+03	mg/kg	N	Y	1.25E+03	1.25E+03	2.94E+01
INORGANIC	SFB-23-295639	0.0	0.50	08/16/2023	Mn	Manganese	1.02E+02	mg/kg		Y	1.02E+02	1.02E+02	9.80E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
INORGANIC	SFB-23-295639	0.0	0.50	08/16/2023	Hg	Mercury	1.41E-02	mg/kg	J	Y	1.41E-02	1.41E-02	2.37E-02
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[M	3.47E-01	ng/g	U	N	ND	3.47E-04	0.889
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	2.93E-01	ng/g	U	N	ND	2.93E-04	0.889
VOC	SFB-23-295639	0.0	0.50	08/16/2023	108-10-1	Methyl-2-pentanone[4-]	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
VOC	SFB-23-295639	0.0	0.50	08/16/2023	75-09-2	Methylene Chloride	2.25E-03	mg/kg	J	N	ND	1.65E-03	4.96E-03
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	91-57-6	Methylnaphthalene[2-]	9.95E-03	mg/kg	U	N	ND	9.95E-03	3.32E-02
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	3.87E-01	ng/g	U	N	ND	3.87E-04	0.889
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	95-48-7	Methylphenol[2-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	65794-96-9	Methylphenol[3-,4-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	91-20-3	Naphthalene	9.95E-03	mg/kg	U	N	ND	9.95E-03	3.32E-02
INORGANIC	SFB-23-295639	0.0	0.50	08/16/2023	Ni	Nickel	5.95E+00	mg/kg	N	Y	5.95E+00	5.95E+00	3.74E-01
GENERAL CHEMISTRY	SFB-23-295639	0.0	0.50	08/16/2023	NO3	Nitrate	3.01E+00	mg/kg		Y	3.01E+00	3.01E+00	9.66E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	88-74-4	Nitroaniline[2-]	1.09E-01	mg/kg	U	N	ND	1.09E-01	3.32E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	99-09-2	Nitroaniline[3-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	100-01-6	Nitroaniline[4-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	98-95-3	Nitrobenzene	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295639	0.0	0.50	08/16/2023	98-95-3	Nitrobenzene	1.45E-01	mg/kg	U	N	ND	1.45E-01	4.83E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	88-75-5	Nitrophenol[2-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	100-02-7	Nitrophenol[4-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	62-75-9	Nitrosodimethylamine[N-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	621-64-7	Nitroso-di-n-propylamine[N-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295639	0.0	0.50	08/16/2023	88-72-2	Nitrotoluene[2-]	1.45E-01	mg/kg	U	N	ND	1.45E-01	4.83E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295639	0.0	0.50	08/16/2023	99-08-1	Nitrotoluene[3-]	1.45E-01	mg/kg	U	N	ND	1.45E-01	4.83E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295639	0.0	0.50	08/16/2023	99-99-0	Nitrotoluene[4-]	1.45E-01	mg/kg	U	N	ND	1.45E-01	4.83E-01
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3.14E-02	mg/kg	E	Y	3.14E-02	3.14E-02	5.00E-05
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	3.57E-03	mg/kg		Y	3.57E-03	3.57E-03	5.00E-05
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	108-60-1	Oxybis(1-chloropropane)[2,2'-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.09E-05	mg/kg		Y	4.09E-05	4.09E-05	2.50E-05
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	36088-22-9	Pentachlorodibenzodioxins (Total)	2.73E-04	mg/kg		Y	2.73E-04	2.73E-04	2.50E-05
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	5.99E-06	mg/kg	J	Y	5.99E-06	5.99E-06	2.50E-05
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	9.03E-06	mg/kg	J	Y	9.03E-06	9.03E-06	2.50E-05
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	30402-15-4	Pentachlorodibenzofurans (Totals)	3.82E-04	mg/kg	J	Y	3.82E-04	3.82E-04	2.50E-05
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	87-86-5	Pentachlorophenol	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
LCMS/MS	SFB-23-295639	0.0	0.50	08/16/2023	ClO4	Perchlorate	5.35E-04	mg/kg	J	Y	5.35E-04	5.35E-04	1.98E-03
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.422
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.47E-01	ng/g	U	N	ND	1.47E-04	0.444
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	375-73-5	Perfluorobutanesulfonic acid	1.47E-01	ng/g	U	N	ND	1.47E-04	0.396
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	375-22-4	Perfluorobutanoic acid	1.78E-01	ng/g	U	N	ND	1.78E-04	0.444
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	335-77-3	Perfluorodecane sulfonate	1.47E-01	ng/g	U	N	ND	1.47E-04	0.431
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	335-76-2	Perfluorodecanoic acid	3.29E-01	ng/g	U	N	ND	3.29E-04	0.889
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	79780-39-5	Perfluorododecanesulfonic acid	1.47E-01	ng/g	U	N	ND	1.47E-04	0.430
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	307-55-1	Perfluorododecanoic acid	1.47E-01	ng/g	U	N	ND	1.47E-04	0.444
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	375-85-9	Perfluoroheptanoic acid	1.47E-01	ng/g	U	N	ND	1.47E-04	0.444
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	355-46-4	Perfluorohexanesulfonic acid	1.47E-01	ng/g	U	N	ND	1.47E-04	0.404
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	307-24-4	Perfluorohexanoic acid	1.78E-01	ng/g	U	N	ND	1.78E-04	0.444
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	68259-12-1	Perfluorononanesulfonic acid	1.47E-01	ng/g	U	N	ND	1.47E-04	0.427
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	375-95-1	Perfluorononanoic acid	1.47E-01	ng/g	U	N	ND	1.47E-04	0.444
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	1763-23-1	Perfluorooctanesulfonic acid	1.78E-01	ng/g	U	N	ND	1.78E-04	0.444
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	335-67-1	Perfluorooctanoic acid	1.78E-01	ng/g	U	N	ND	1.78E-04	0.444
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	2706-91-4	Perfluoropentanesulfonic acid	1.47E-01	ng/g	U	N	ND	1.47E-04	0.418
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	2706-90-3	Perfluoropentanoic acid	1.47E-01	ng/g	U	N	ND	1.47E-04	0.444
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	376-06-7	Perfluorotetradecanoic acid	1.78E-01	ng/g	U	N	ND	1.78E-04	0.444
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	72629-94-8	Perfluorotridecanoic acid	1.47E-01	ng/g	U	N	ND	1.47E-04	0.444
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	2058-94-8	Perfluoroundecanoic acid	1.47E-01	ng/g	U	N	ND	1.47E-04	0.444

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
LCMS/MS HIGH EXPLOSIVES	SFB-23-295639	0.0	0.50	08/16/2023	78-11-5	PETN	2.42E-01	mg/kg	U	N	ND	2.42E-01	9.66E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	85-01-8	Phenanthrene	9.95E-03	mg/kg	U	N	ND	9.95E-03	3.32E-02
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	108-95-2	Phenol	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
INORGANIC	SFB-23-295639	0.0	0.50	08/16/2023	K	Potassium	8.62E+02	mg/kg	N	Y	8.62E+02	8.62E+02	2.45E+01
VOC	SFB-23-295639	0.0	0.50	08/16/2023	103-65-1	Propylbenzene[1-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	129-00-0	Pyrene	1.29E-02	mg/kg	J	Y	1.29E-02	1.29E-02	3.32E-02
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	110-86-1	Pyridine	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295639	0.0	0.50	08/16/2023	121-82-4	RDX	1.45E-01	mg/kg	U	N	ND	1.45E-01	4.83E-01
INORGANIC	SFB-23-295639	0.0	0.50	08/16/2023	Se	Selenium	5.92E-01	mg/kg	JN	Y	5.92E-01	5.92E-01	9.35E-01
INORGANIC	SFB-23-295639	0.0	0.50	08/16/2023	Ag	Silver	2.46E-01	mg/kg	J	Y	2.46E-01	2.46E-01	4.90E-01
INORGANIC	SFB-23-295639	0.0	0.50	08/16/2023	Na	Sodium	6.28E+01	mg/kg		Y	6.28E+01	6.28E+01	2.45E+01
VOC	SFB-23-295639	0.0	0.50	08/16/2023	100-42-5	Styrene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295639	0.0	0.50	08/16/2023	3058-38-6	TATB	2.92E-01	mg/kg	J	Y	2.92E-01	2.92E-01	9.66E-01
GENERAL CHEMISTRY	SFB-23-295639	0.0	0.50	08/16/2023	TEMP	Temperature	4.10E+00	deg C		Y		0.00E+00	
GENERAL CHEMISTRY	SFB-23-295639	0.0	0.50	08/16/2023	TEMP	Temperature	6.00E+00	deg C		Y		0.00E+00	
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	2.51E-06	mg/kg	J	Y	2.51E-06	2.51E-06	5.00E-06
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	41903-57-5	Tetrachlorodibenzodioxins (Total)	1.86E-05	mg/kg	J	Y	1.86E-05	1.86E-05	5.00E-06
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	2.70E-06	mg/kg	BJ	N	ND	2.00E-06	5.00E-06
HRGC/HRMS	SFB-23-295639	0.0	0.50	08/16/2023	55722-27-5	Tetrachlorodibenzofurans (Totals)	5.67E-05	mg/kg	J	Y	5.67E-05	5.67E-05	5.00E-06
VOC	SFB-23-295639	0.0	0.50	08/16/2023	630-20-6	Tetrachloroethane[1,1,1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	79-34-5	Tetrachloroethane[1,1,2,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	127-18-4	Tetrachloroethene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295639	0.0	0.50	08/16/2023	479-45-8	Tetryl	1.45E-01	mg/kg	U	N	ND	1.45E-01	4.83E-01
INORGANIC	SFB-23-295639	0.0	0.50	08/16/2023	Tl	Thallium	1.31E-01	mg/kg	U	N	ND	1.31E-01	3.74E-01
VOC	SFB-23-295639	0.0	0.50	08/16/2023	108-88-3	Toluene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
TPH	SFB-23-295639	0.0	0.50	08/16/2023	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	6.06E+00	mg/kg	J	Y	6.06E+00	6.06E+00	6.58E+00
TPH	SFB-23-295639	0.0	0.50	08/16/2023	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	1.67E+00	mg/kg	U	N	ND	1.67E+00	1.00E+01
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	PFAS-Tot-37a	Total PFAS 37a	0.00E+00	ng/g	U	N	ND	1.47E-04	3.96E-01
PFAS	SFB-23-295639	0.0	0.50	08/16/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
VOC	SFB-23-295639	0.0	0.50	08/16/2023	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	120-82-1	Trichlorobenzene[1,2,4-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
VOC	SFB-23-295639	0.0	0.50	08/16/2023	71-55-6	Trichloroethane[1,1,1-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	79-00-5	Trichloroethane[1,1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	79-01-6	Trichloroethene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	75-69-4	Trichlorofluoromethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	95-95-4	Trichlorophenol[2,4,5-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
SVOC	SFB-23-295639	0.0	0.50	08/16/2023	88-06-2	Trichlorophenol[2,4,6-]	9.95E-02	mg/kg	U	N	ND	9.95E-02	3.32E-01
VOC	SFB-23-295639	0.0	0.50	08/16/2023	96-18-4	Trichloropropane[1,2,3-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	95-63-6	Trimethylbenzene[1,2,4-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	108-67-8	Trimethylbenzene[1,3,5-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295639	0.0	0.50	08/16/2023	99-35-4	Trinitrobenzene[1,3,5-]	1.45E-01	mg/kg	U	N	ND	1.45E-01	4.83E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295639	0.0	0.50	08/16/2023	118-96-7	Trinitrotoluene[2,4,6-]	1.45E-01	mg/kg	U	N	ND	1.45E-01	4.83E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295639	0.0	0.50	08/16/2023	78-30-8	Tris (o-cresyl) phosphate	2.90E-01	mg/kg	U	N	ND	2.90E-01	9.66E-01
INORGANIC	SFB-23-295639	0.0	0.50	08/16/2023	V	Vanadium	1.25E+01	mg/kg		Y	1.25E+01	1.25E+01	4.90E-01
VOC	SFB-23-295639	0.0	0.50	08/16/2023	75-01-4	Vinyl Chloride	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	95-47-6	Xylene[1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295639	0.0	0.50	08/16/2023	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.62E-04	mg/kg	U	N	ND	6.62E-04	1.98E-03
INORGANIC	SFB-23-295639	0.0	0.50	08/16/2023	Zn	Zinc	3.33E+01	mg/kg		Y	3.33E+01	3.33E+01	1.96E+00
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.63E-01	ng/g	U	N	ND	1.63E-04	0.464
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.79E-01	ng/g	U	N	ND	3.79E-04	0.946
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	3.25E-01	ng/g	U	N	ND	3.25E-04	0.946
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	3.94E-01	ng/g	U	N	ND	3.94E-04	0.926
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.33E+00	ng/g	U	N	ND	1.33E-03	3.69

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
LCMS/MS HIGH EXPLOSIVES	SFB-23-295640	0.5	1.25	08/16/2023	6629-29-4	2,4-Diamino-6-nitrotoluene	4.67E-01	mg/kg	U	N	ND	4.67E-01	1.87E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295640	0.5	1.25	08/16/2023	59229-75-3	2,6-Diamino-4-nitrotoluene	6.17E-01	mg/kg	U	N	ND	6.17E-01	1.87E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295640	0.5	1.25	08/16/2023	618-87-1	3,5-Dinitroaniline	2.80E-01	mg/kg	U	N	ND	2.80E-01	9.35E-01
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.25E-01	ng/g	U	N	ND	3.25E-04	0.985
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.25E-01	ng/g	U	N	ND	3.25E-04	0.985
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.25E-01	ng/g	U	N	ND	3.25E-04	0.985
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.493
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.63E-01	ng/g	U	N	ND	1.63E-04	0.459
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	83-32-9	Acenaphthene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	208-96-8	Acenaphthylene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
VOC	SFB-23-295640	0.5	1.25	08/16/2023	67-64-1	Acetone	1.62E-03	mg/kg	U	N	ND	1.62E-03	4.87E-03
INORGANIC	SFB-23-295640	0.5	1.25	08/16/2023	Al	Aluminum	5.79E+03	mg/kg		Y	5.79E+03	5.79E+03	1.75E+01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295640	0.5	1.25	08/16/2023	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.40E-01	mg/kg	U	N	ND	1.40E-01	4.67E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295640	0.5	1.25	08/16/2023	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.40E-01	mg/kg	U	N	ND	1.40E-01	4.67E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	62-53-3	Aniline	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	120-12-7	Anthracene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
INORGANIC	SFB-23-295640	0.5	1.25	08/16/2023	Sb	Antimony	2.88E-01	mg/kg	U	N	ND	2.88E-01	1.75E+00
INORGANIC	SFB-23-295640	0.5	1.25	08/16/2023	As	Arsenic	1.40E+00	mg/kg		Y	1.40E+00	1.40E+00	9.56E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	103-33-3	Azobenzene	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
INORGANIC	SFB-23-295640	0.5	1.25	08/16/2023	Ba	Barium	2.21E+02	mg/kg		Y	2.21E+02	2.21E+02	4.36E-01
VOC	SFB-23-295640	0.5	1.25	08/16/2023	71-43-2	Benzene	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	56-55-3	Benzo(a)anthracene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	50-32-8	Benzo(a)pyrene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	205-99-2	Benzo(b)fluoranthene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	191-24-2	Benzo(g,h,i)perylene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	207-08-9	Benzo(k)fluoranthene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	65-85-0	Benzoic Acid	5.20E-01	mg/kg	J	Y	5.20E-01	5.20E-01	6.60E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	100-51-6	Benzyl Alcohol	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
INORGANIC	SFB-23-295640	0.5	1.25	08/16/2023	Be	Beryllium	6.46E-01	mg/kg		Y	6.46E-01	6.46E-01	9.56E-02
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	111-91-1	Bis(2-chloroethoxy)methane	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	111-44-4	Bis(2-chloroethyl)ether	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	117-81-7	Bis(2-ethylhexyl)phthalate	2.57E-02	mg/kg	J	Y	2.57E-02	2.57E-02	3.30E-02
VOC	SFB-23-295640	0.5	1.25	08/16/2023	108-86-1	Bromobenzene	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	74-97-5	Bromochloromethane	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	75-27-4	Bromodichloromethane	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	75-25-2	Bromoform	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	74-83-9	Bromomethane	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	101-55-3	Bromophenyl-phenylether[4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295640	0.5	1.25	08/16/2023	78-93-3	Butanone[2-]	1.62E-03	mg/kg	U	N	ND	1.62E-03	4.87E-03
VOC	SFB-23-295640	0.5	1.25	08/16/2023	104-51-8	Butylbenzene[n-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	135-98-8	Butylbenzene[sec-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	98-06-6	Butylbenzene[tert-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	85-68-7	Butylbenzylphthalate	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
INORGANIC	SFB-23-295640	0.5	1.25	08/16/2023	Cd	Cadmium	8.73E-02	mg/kg	U	N	ND	8.73E-02	4.36E-01
INORGANIC	SFB-23-295640	0.5	1.25	08/16/2023	Ca	Calcium	1.36E+03	mg/kg	N	Y	1.36E+03	1.36E+03	2.18E+01
VOC	SFB-23-295640	0.5	1.25	08/16/2023	75-15-0	Carbon Disulfide	1.62E-03	mg/kg	U	N	ND	1.62E-03	4.87E-03
VOC	SFB-23-295640	0.5	1.25	08/16/2023	56-23-5	Carbon Tetrachloride	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	59-50-7	Chloro-3-methylphenol[4-]	1.32E-01	mg/kg	U	N	ND	1.32E-01	3.30E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	106-47-8	Chloroaniline[4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295640	0.5	1.25	08/16/2023	108-90-7	Chlorobenzene	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	124-48-1	Chlorodibromomethane	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	75-00-3	Chloroethane	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	67-66-3	Chloroform	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	74-87-3	Chloromethane	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	91-58-7	Chloronaphthalene[2-]	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	95-57-8	Chlorophenol[2-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	7005-72-3	Chlorophenyl-phenyl[4-] Ether	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295640	0.5	1.25	08/16/2023	95-49-8	Chlorotoluene[2-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	106-43-4	Chlorotoluene[4-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
INORGANIC	SFB-23-295640	0.5	1.25	08/16/2023	Cr	Chromium	4.81E+00	mg/kg	*	Y	4.81E+00	4.81E+00	8.73E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	218-01-9	Chrysene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
INORGANIC	SFB-23-295640	0.5	1.25	08/16/2023	Co	Cobalt	1.89E+00	mg/kg		Y	1.89E+00	1.89E+00	4.36E-01
INORGANIC	SFB-23-295640	0.5	1.25	08/16/2023	Cu	Copper	4.89E+00	mg/kg		Y	4.89E+00	4.89E+00	1.75E+00
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	53-70-3	Dibenz(a,h)anthracene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	132-64-9	Dibenzofuran	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295640	0.5	1.25	08/16/2023	96-12-8	Dibromo-3-Chloropropane[1,2-]	4.87E-04	mg/kg	U	N	ND	4.87E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	106-93-4	Dibromoethane[1,2-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	74-95-3	Dibromomethane	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	95-50-1	Dichlorobenzene[1,2-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	95-50-1	Dichlorobenzene[1,2-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295640	0.5	1.25	08/16/2023	541-73-1	Dichlorobenzene[1,3-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	541-73-1	Dichlorobenzene[1,3-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295640	0.5	1.25	08/16/2023	106-46-7	Dichlorobenzene[1,4-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	106-46-7	Dichlorobenzene[1,4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	91-94-1	Dichlorobenzidine[3,3'-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295640	0.5	1.25	08/16/2023	75-71-8	Dichlorodifluoromethane	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	75-34-3	Dichloroethane[1,1-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	107-06-2	Dichloroethane[1,2-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	75-35-4	Dichloroethene[1,1-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	156-59-2	Dichloroethene[cis-1,2-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	156-60-5	Dichloroethene[trans-1,2-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	120-83-2	Dichlorophenol[2,4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295640	0.5	1.25	08/16/2023	78-87-5	Dichloropropane[1,2-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	142-28-9	Dichloropropane[1,3-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	594-20-7	Dichloropropane[2,2-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	563-58-6	Dichloropropene[1,1-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	10061-01-5	Dichloropropene[cis-1,3-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	10061-02-6	Dichloropropene[trans-1,3-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	84-66-2	Diethylphthalate	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	131-11-3	Dimethyl Phthalate	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	105-67-9	Dimethylphenol[2,4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	84-74-2	Di-n-butylphthalate	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	534-52-1	Dinitro-2-methylphenol[4,6-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295640	0.5	1.25	08/16/2023	99-65-0	Dinitrobenzene[1,3-]	1.40E-01	mg/kg	U	N	ND	1.40E-01	4.67E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	51-28-5	Dinitrophenol[2,4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	6.60E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	121-14-2	Dinitrotoluene[2,4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295640	0.5	1.25	08/16/2023	121-14-2	Dinitrotoluene[2,4-]	1.40E-01	mg/kg	U	N	ND	1.40E-01	4.67E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	606-20-2	Dinitrotoluene[2,6-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295640	0.5	1.25	08/16/2023	606-20-2	Dinitrotoluene[2,6-]	1.40E-01	mg/kg	U	N	ND	1.40E-01	4.67E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	117-84-0	Di-n-octylphthalate	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	122-39-4	Diphenylamine	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.89E-01	ng/g	U	N	ND	3.89E-04	0.985
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.71E-01	ng/g	U	N	ND	2.71E-04	0.985
VOC	SFB-23-295640	0.5	1.25	08/16/2023	100-41-4	Ethylbenzene	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	4.04E-01	ng/g	U	N	ND	4.04E-04	0.985
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	206-44-0	Fluoranthene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	86-73-7	Fluorene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	2.48E-03	mg/kg		Y	2.48E-03	2.48E-03	2.50E-05

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	37871-00-4	Heptachlorodibenzodioxins (Total)	4.20E-03	mg/kg	J	Y	4.20E-03	4.20E-03	2.50E-05
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	8.42E-04	mg/kg		Y	8.42E-04	8.42E-04	2.50E-05
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	5.02E-05	mg/kg		Y	5.02E-05	5.02E-05	2.50E-05
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	38998-75-3	Heptachlorodibenzofurans (Total)	1.95E-03	mg/kg		Y	1.95E-03	1.95E-03	2.50E-05
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	118-74-1	Hexachlorobenzene	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	87-68-3	Hexachlorobutadiene	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	77-47-4	Hexachlorocyclopentadiene	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	5.41E-05	mg/kg		Y	5.41E-05	5.41E-05	2.50E-05
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	9.63E-05	mg/kg		Y	9.63E-05	9.63E-05	2.50E-05
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.05E-04	mg/kg		Y	1.05E-04	1.05E-04	2.50E-05
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	34465-46-8	Hexachlorodibenzodioxins (Total)	8.16E-04	mg/kg	J	Y	8.16E-04	8.16E-04	2.50E-05
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	2.56E-05	mg/kg		Y	2.56E-05	2.56E-05	2.50E-05
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	2.72E-05	mg/kg		Y	2.72E-05	2.72E-05	2.50E-05
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	3.51E-06	mg/kg	JK	Y	3.51E-06	3.51E-06	2.50E-05
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.29E-05	mg/kg		Y	4.29E-05	4.29E-05	2.50E-05
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	55684-94-1	Hexachlorodibenzofurans (Total)	7.93E-04	mg/kg	J	Y	7.93E-04	7.93E-04	2.50E-05
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	67-72-1	Hexachloroethane	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.63E-01	ng/g	U	N	ND	1.63E-04	0.493
VOC	SFB-23-295640	0.5	1.25	08/16/2023	591-78-6	Hexanone[2-]	1.62E-03	mg/kg	U	N	ND	1.62E-03	4.87E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295640	0.5	1.25	08/16/2023	2691-41-0	HMX	1.40E-01	mg/kg	U	N	ND	1.40E-01	4.67E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	193-39-5	Indeno(1,2,3-cd)pyrene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
VOC	SFB-23-295640	0.5	1.25	08/16/2023	74-88-4	Iodomethane	1.62E-03	mg/kg	U	N	ND	1.62E-03	4.87E-03
INORGANIC	SFB-23-295640	0.5	1.25	08/16/2023	Fe	Iron	5.43E+03	mg/kg		Y	5.43E+03	5.43E+03	2.18E+01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	78-59-1	Isophorone	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295640	0.5	1.25	08/16/2023	98-82-8	Isopropylbenzene	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	99-87-6	Isopropyltoluene[4-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
INORGANIC	SFB-23-295640	0.5	1.25	08/16/2023	Pb	Lead	4.99E+00	mg/kg	*	Y	4.99E+00	4.99E+00	1.75E+00
INORGANIC	SFB-23-295640	0.5	1.25	08/16/2023	Mg	Magnesium	7.94E+02	mg/kg	N	Y	7.94E+02	7.94E+02	2.62E+01
INORGANIC	SFB-23-295640	0.5	1.25	08/16/2023	Mn	Manganese	7.16E+01	mg/kg		Y	7.16E+01	7.16E+01	8.73E-01
INORGANIC	SFB-23-295640	0.5	1.25	08/16/2023	Hg	Mercury	1.52E-02	mg/kg	J	Y	1.52E-02	1.52E-02	2.29E-02
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[M	3.84E-01	ng/g	U	N	ND	3.84E-04	0.985
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.25E-01	ng/g	U	N	ND	3.25E-04	0.985
VOC	SFB-23-295640	0.5	1.25	08/16/2023	108-10-1	Methyl-2-pentanone[4-]	1.62E-03	mg/kg	U	N	ND	1.62E-03	4.87E-03
VOC	SFB-23-295640	0.5	1.25	08/16/2023	75-09-2	Methylene Chloride	1.62E-03	mg/kg	U	N	ND	1.62E-03	4.87E-03
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	91-57-6	Methylnaphthalene[2-]	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.29E-01	ng/g	U	N	ND	4.29E-04	0.985
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	95-48-7	Methylphenol[2-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	65794-96-9	Methylphenol[3-,4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	91-20-3	Naphthalene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
INORGANIC	SFB-23-295640	0.5	1.25	08/16/2023	Ni	Nickel	5.52E+00	mg/kg	N	Y	5.52E+00	5.52E+00	3.82E-01
GENERAL CHEMISTRY	SFB-23-295640	0.5	1.25	08/16/2023	NO3	Nitrate	6.12E-01	mg/kg	J	Y	6.12E-01	6.12E-01	9.64E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	88-74-4	Nitroaniline[2-]	1.09E-01	mg/kg	U	N	ND	1.09E-01	3.30E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	99-09-2	Nitroaniline[3-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	100-01-6	Nitroaniline[4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	98-95-3	Nitrobenzene	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295640	0.5	1.25	08/16/2023	98-95-3	Nitrobenzene	1.40E-01	mg/kg	U	N	ND	1.40E-01	4.67E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	88-75-5	Nitrophenol[2-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	100-02-7	Nitrophenol[4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	62-75-9	Nitrosodimethylamine[N-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	621-64-7	Nitroso-di-n-propylamine[N-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295640	0.5	1.25	08/16/2023	88-72-2	Nitrotoluene[2-]	1.40E-01	mg/kg	U	N	ND	1.40E-01	4.67E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295640	0.5	1.25	08/16/2023	99-08-1	Nitrotoluene[3-]	1.40E-01	mg/kg	U	N	ND	1.40E-01	4.67E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295640	0.5	1.25	08/16/2023	99-99-0	Nitrotoluene[4-]	1.40E-01	mg/kg	U	N	ND	1.40E-01	4.67E-01
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.30E-02	mg/kg		Y	1.30E-02	1.30E-02	5.00E-05

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.61E-03	mg/kg		Y	1.61E-03	1.61E-03	5.00E-05
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	108-60-1	Oxybis(1-chloropropane)[2,2'-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	1.72E-05	mg/kg	J	Y	1.72E-05	1.72E-05	2.50E-05
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	36088-22-9	Pentachlorodibenzodioxins (Total)	1.00E-04	mg/kg	J	Y	1.00E-04	1.00E-04	2.50E-05
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	2.57E-06	mg/kg	J	Y	2.57E-06	2.57E-06	2.50E-05
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	3.76E-06	mg/kg	J	Y	3.76E-06	3.76E-06	2.50E-05
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	30402-15-4	Pentachlorodibenzofurans (Totals)	1.60E-04	mg/kg	J	Y	1.60E-04	1.60E-04	2.50E-05
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	87-86-5	Pentachlorophenol	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
LCMS/MS	SFB-23-295640	0.5	1.25	08/16/2023	ClO4	Perchlorate	4.59E-04	mg/kg	U	N	ND	4.59E-04	1.83E-03
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.82E-01	ng/g	U	N	ND	1.82E-04	0.468
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.63E-01	ng/g	U	N	ND	1.63E-04	0.493
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	375-73-5	Perfluorobutanesulfonic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.438
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	375-22-4	Perfluorobutanoic acid	1.97E-01	ng/g	U	N	ND	1.97E-04	0.493
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	335-77-3	Perfluorodecane sulfonate	1.63E-01	ng/g	U	N	ND	1.63E-04	0.478
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	335-76-2	Perfluorodecanoic acid	3.65E-01	ng/g	U	N	ND	3.65E-04	0.985
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	79780-39-5	Perfluorododecanesulfonic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.477
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	307-55-1	Perfluorododecanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.493
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	375-85-9	Perfluoroheptanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.493
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	355-46-4	Perfluorohexanesulfonic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.448
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	307-24-4	Perfluorohexanoic acid	1.97E-01	ng/g	U	N	ND	1.97E-04	0.493
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	68259-12-1	Perfluorononanesulfonic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.473
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	375-95-1	Perfluorononanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.493
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	1763-23-1	Perfluorooctanesulfonic acid	1.97E-01	ng/g	U	N	ND	1.97E-04	0.493
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	335-67-1	Perfluorooctanoic acid	1.97E-01	ng/g	U	N	ND	1.97E-04	0.493
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	2706-91-4	Perfluoropentanesulfonic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.463
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	2706-90-3	Perfluoropentanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.493
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	376-06-7	Perfluorotetradecanoic acid	1.97E-01	ng/g	U	N	ND	1.97E-04	0.493
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	72629-94-8	Perfluorotridecanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.493
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	2058-94-8	Perfluoroundecanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.493
LCMS/MS HIGH EXPLOSIVES	SFB-23-295640	0.5	1.25	08/16/2023	78-11-5	PETN	2.34E-01	mg/kg	U	N	ND	2.34E-01	9.35E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	85-01-8	Phenanthrene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	108-95-2	Phenol	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
INORGANIC	SFB-23-295640	0.5	1.25	08/16/2023	K	Potassium	7.28E+02	mg/kg	N	Y	7.28E+02	7.28E+02	2.18E+01
VOC	SFB-23-295640	0.5	1.25	08/16/2023	103-65-1	Propylbenzene[1-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	129-00-0	Pyrene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	110-86-1	Pyridine	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295640	0.5	1.25	08/16/2023	121-82-4	RDX	1.40E-01	mg/kg	U	N	ND	1.40E-01	4.67E-01
INORGANIC	SFB-23-295640	0.5	1.25	08/16/2023	Se	Selenium	5.04E-01	mg/kg	JN	Y	5.04E-01	5.04E-01	9.56E-01
INORGANIC	SFB-23-295640	0.5	1.25	08/16/2023	Ag	Silver	1.28E-01	mg/kg	J	Y	1.28E-01	1.28E-01	4.36E-01
INORGANIC	SFB-23-295640	0.5	1.25	08/16/2023	Na	Sodium	5.87E+01	mg/kg		Y	5.87E+01	5.87E+01	2.18E+01
VOC	SFB-23-295640	0.5	1.25	08/16/2023	100-42-5	Styrene	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295640	0.5	1.25	08/16/2023	3058-38-6	TATB	2.80E-01	mg/kg	U	N	ND	2.80E-01	9.35E-01
GENERAL CHEMISTRY	SFB-23-295640	0.5	1.25	08/16/2023	TEMP	Temperature	4.10E+00	deg C		Y		0.00E+00	
GENERAL CHEMISTRY	SFB-23-295640	0.5	1.25	08/16/2023	TEMP	Temperature	6.00E+00	deg C		Y		0.00E+00	
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	9.72E-07	mg/kg	JK	Y	9.72E-07	9.72E-07	5.00E-06
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	41903-57-5	Tetrachlorodibenzodioxins (Total)	3.02E-06	mg/kg	J	Y	3.02E-06	3.02E-06	5.00E-06
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	1.58E-06	mg/kg	BJ	N	ND	2.00E-06	5.00E-06
HRGC/HRMS	SFB-23-295640	0.5	1.25	08/16/2023	55722-27-5	Tetrachlorodibenzofurans (Totals)	2.55E-05	mg/kg	J	Y	2.55E-05	2.55E-05	5.00E-06
VOC	SFB-23-295640	0.5	1.25	08/16/2023	630-20-6	Tetrachloroethane[1,1,1,2-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	79-34-5	Tetrachloroethane[1,1,2,2-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	127-18-4	Tetrachloroethene	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295640	0.5	1.25	08/16/2023	479-45-8	Tetryl	1.40E-01	mg/kg	U	N	ND	1.40E-01	4.67E-01
INORGANIC	SFB-23-295640	0.5	1.25	08/16/2023	Tl	Thallium	1.34E-01	mg/kg	U	N	ND	1.34E-01	3.82E-01
VOC	SFB-23-295640	0.5	1.25	08/16/2023	108-88-3	Toluene	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
TPH	SFB-23-295640	0.5	1.25	08/16/2023	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	2.18E+00	mg/kg	J	Y	2.18E+00	2.18E+00	6.66E+00
TPH	SFB-23-295640	0.5	1.25	08/16/2023	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	1.67E+00	mg/kg	U	N	ND	1.67E+00	1.00E+01
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	PFAS-Tot-37a	Total PFAS 37a	0.00E+00	ng/g	U	N	ND	1.63E-04	4.38E-01
PFAS	SFB-23-295640	0.5	1.25	08/16/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
VOC	SFB-23-295640	0.5	1.25	08/16/2023	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.62E-03	mg/kg	U	N	ND	1.62E-03	4.87E-03
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	120-82-1	Trichlorobenzene[1,2,4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295640	0.5	1.25	08/16/2023	71-55-6	Trichloroethane[1,1,1-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	79-00-5	Trichloroethane[1,1,2-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	79-01-6	Trichloroethene	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	75-69-4	Trichlorofluoromethane	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	95-95-4	Trichlorophenol[2,4,5-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295640	0.5	1.25	08/16/2023	88-06-2	Trichlorophenol[2,4,6-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295640	0.5	1.25	08/16/2023	96-18-4	Trichloropropane[1,2,3-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	95-63-6	Trimethylbenzene[1,2,4-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	108-67-8	Trimethylbenzene[1,3,5-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295640	0.5	1.25	08/16/2023	99-35-4	Trinitrobenzene[1,3,5-]	1.40E-01	mg/kg	U	N	ND	1.40E-01	4.67E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295640	0.5	1.25	08/16/2023	118-96-7	Trinitrotoluene[2,4,6-]	1.40E-01	mg/kg	U	N	ND	1.40E-01	4.67E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295640	0.5	1.25	08/16/2023	78-30-8	Tris (o-cresyl) phosphate	2.80E-01	mg/kg	U	N	ND	2.80E-01	9.35E-01
INORGANIC	SFB-23-295640	0.5	1.25	08/16/2023	V	Vanadium	9.79E+00	mg/kg		Y	9.79E+00	9.79E+00	4.36E-01
VOC	SFB-23-295640	0.5	1.25	08/16/2023	75-01-4	Vinyl Chloride	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	95-47-6	Xylene[1,2-]	3.25E-04	mg/kg	U	N	ND	3.25E-04	9.75E-04
VOC	SFB-23-295640	0.5	1.25	08/16/2023	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.50E-04	mg/kg	U	N	ND	6.50E-04	1.95E-03
INORGANIC	SFB-23-295640	0.5	1.25	08/16/2023	Zn	Zinc	1.43E+01	mg/kg		Y	1.43E+01	1.43E+01	1.75E+00
PFAS	SFB-23-295641	0	0.5	08/16/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.56E-01	ng/g	U	N	ND	1.56E-04	0.446
PFAS	SFB-23-295641	0	0.5	08/16/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.65E-01	ng/g	U	N	ND	3.65E-04	0.910
PFAS	SFB-23-295641	0	0.5	08/16/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	3.13E-01	ng/g	U	N	ND	3.13E-04	0.910
PFAS	SFB-23-295641	0	0.5	08/16/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	3.79E-01	ng/g	U	N	ND	3.79E-04	0.891
PFAS	SFB-23-295641	0	0.5	08/16/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.27E+00	ng/g	U	N	ND	1.27E-03	3.55
LCMS/MS HIGH EXPLOSIVES	SFB-23-295641	0	0.5	08/16/2023	6629-29-4	2,4-Diamino-6-nitrotoluene	4.69E-01	mg/kg	U	N	ND	4.69E-01	1.88E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295641	0	0.5	08/16/2023	59229-75-3	2,6-Diamino-4-nitrotoluene	6.20E-01	mg/kg	U	N	ND	6.20E-01	1.88E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295641	0	0.5	08/16/2023	618-87-1	3,5-Dinitroaniline	2.82E-01	mg/kg	U	N	ND	2.82E-01	9.39E-01
PFAS	SFB-23-295641	0	0.5	08/16/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.13E-01	ng/g	U	N	ND	3.13E-04	0.948
PFAS	SFB-23-295641	0	0.5	08/16/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.13E-01	ng/g	U	N	ND	3.13E-04	0.948
PFAS	SFB-23-295641	0	0.5	08/16/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.13E-01	ng/g	U	N	ND	3.13E-04	0.948
PFAS	SFB-23-295641	0	0.5	08/16/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.474
PFAS	SFB-23-295641	0	0.5	08/16/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.56E-01	ng/g	U	N	ND	1.56E-04	0.442
SVOC	SFB-23-295641	0	0.5	08/16/2023	83-32-9	Acenaphthene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295641	0	0.5	08/16/2023	208-96-8	Acenaphthylene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
VOC	SFB-23-295641	0	0.5	08/16/2023	67-64-1	Acetone	1.63E-03	mg/kg	U	N	ND	1.63E-03	4.90E-03
INORGANIC	SFB-23-295641	0	0.5	08/16/2023	Al	Aluminum	3.84E+03	mg/kg		Y	3.84E+03	3.84E+03	1.92E+01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295641	0	0.5	08/16/2023	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295641	0	0.5	08/16/2023	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	62-53-3	Aniline	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	120-12-7	Anthracene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
INORGANIC	SFB-23-295641	0	0.5	08/16/2023	Sb	Antimony	3.17E-01	mg/kg	U	N	ND	3.17E-01	1.92E+00
INORGANIC	SFB-23-295641	0	0.5	08/16/2023	As	Arsenic	1.53E+00	mg/kg		Y	1.53E+00	1.53E+00	9.69E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	103-33-3	Azobenzene	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
INORGANIC	SFB-23-295641	0	0.5	08/16/2023	Ba	Barium	4.44E+01	mg/kg		Y	4.44E+01	4.44E+01	4.80E-01
VOC	SFB-23-295641	0	0.5	08/16/2023	71-43-2	Benzene	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
SVOC	SFB-23-295641	0	0.5	08/16/2023	56-55-3	Benzo(a)anthracene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295641	0	0.5	08/16/2023	50-32-8	Benzo(a)pyrene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295641	0	0.5	08/16/2023	205-99-2	Benzo(b)fluoranthene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295641	0	0.5	08/16/2023	191-24-2	Benzo(g,h,i)perylene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295641	0	0.5	08/16/2023	207-08-9	Benzo(k)fluoranthene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295641	0	0.5	08/16/2023	65-85-0	Benzoic Acid	1.65E-01	mg/kg	U	N	ND	1.65E-01	6.62E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	100-51-6	Benzyl Alcohol	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
INORGANIC	SFB-23-295641	0	0.5	08/16/2023	Be	Beryllium	3.02E-01	mg/kg		Y	3.02E-01	3.02E-01	9.69E-02
SVOC	SFB-23-295641	0	0.5	08/16/2023	111-91-1	Bis(2-chloroethoxy)methane	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	111-44-4	Bis(2-chloroethyl)ether	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	117-81-7	Bis(2-ethylhexyl)phthalate	1.46E-02	mg/kg	J	Y	1.46E-02	1.46E-02	3.31E-02
VOC	SFB-23-295641	0	0.5	08/16/2023	108-86-1	Bromobenzene	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	74-97-5	Bromochloromethane	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	75-27-4	Bromodichloromethane	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	75-25-2	Bromoform	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	74-83-9	Bromomethane	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
SVOC	SFB-23-295641	0	0.5	08/16/2023	101-55-3	Bromophenyl-phenylether[4-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
VOC	SFB-23-295641	0	0.5	08/16/2023	78-93-3	Butanone[2-]	1.63E-03	mg/kg	U	N	ND	1.63E-03	4.90E-03
VOC	SFB-23-295641	0	0.5	08/16/2023	104-51-8	Butylbenzene[n-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	135-98-8	Butylbenzene[sec-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	98-06-6	Butylbenzene[tert-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
SVOC	SFB-23-295641	0	0.5	08/16/2023	85-68-7	Butylbenzylphthalate	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
INORGANIC	SFB-23-295641	0	0.5	08/16/2023	Cd	Cadmium	9.60E-02	mg/kg	U	N	ND	9.60E-02	4.80E-01
INORGANIC	SFB-23-295641	0	0.5	08/16/2023	Ca	Calcium	5.91E+03	mg/kg	N	Y	5.91E+03	5.91E+03	2.40E+01
VOC	SFB-23-295641	0	0.5	08/16/2023	75-15-0	Carbon Disulfide	1.63E-03	mg/kg	U	N	ND	1.63E-03	4.90E-03
VOC	SFB-23-295641	0	0.5	08/16/2023	56-23-5	Carbon Tetrachloride	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
SVOC	SFB-23-295641	0	0.5	08/16/2023	59-50-7	Chloro-3-methylphenol[4-]	1.32E-01	mg/kg	U	N	ND	1.32E-01	3.31E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	106-47-8	Chloroaniline[4-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
VOC	SFB-23-295641	0	0.5	08/16/2023	108-90-7	Chlorobenzene	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	124-48-1	Chlorodibromomethane	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	75-00-3	Chloroethane	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	67-66-3	Chloroform	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	74-87-3	Chloromethane	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
SVOC	SFB-23-295641	0	0.5	08/16/2023	91-58-7	Chloronaphthalene[2-]	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295641	0	0.5	08/16/2023	95-57-8	Chlorophenol[2-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	7005-72-3	Chlorophenyl-phenyl[4-] Ether	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
VOC	SFB-23-295641	0	0.5	08/16/2023	95-49-8	Chlorotoluene[2-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	106-43-4	Chlorotoluene[4-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
INORGANIC	SFB-23-295641	0	0.5	08/16/2023	Cr	Chromium	1.20E+01	mg/kg	*	Y	1.20E+01	1.20E+01	9.60E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	218-01-9	Chrysene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
INORGANIC	SFB-23-295641	0	0.5	08/16/2023	Co	Cobalt	5.23E+00	mg/kg		Y	5.23E+00	5.23E+00	4.80E-01
INORGANIC	SFB-23-295641	0	0.5	08/16/2023	Cu	Copper	1.58E+01	mg/kg		Y	1.58E+01	1.58E+01	1.92E+00
SVOC	SFB-23-295641	0	0.5	08/16/2023	53-70-3	Dibenz(a,h)anthracene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295641	0	0.5	08/16/2023	132-64-9	Dibenzofuran	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
VOC	SFB-23-295641	0	0.5	08/16/2023	96-12-8	Dibromo-3-Chloropropane[1,2-]	4.90E-04	mg/kg	U	N	ND	4.90E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	106-93-4	Dibromoethane[1,2-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	74-95-3	Dibromomethane	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	95-50-1	Dichlorobenzene[1,2-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
SVOC	SFB-23-295641	0	0.5	08/16/2023	95-50-1	Dichlorobenzene[1,2-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
VOC	SFB-23-295641	0	0.5	08/16/2023	541-73-1	Dichlorobenzene[1,3-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
SVOC	SFB-23-295641	0	0.5	08/16/2023	541-73-1	Dichlorobenzene[1,3-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
VOC	SFB-23-295641	0	0.5	08/16/2023	106-46-7	Dichlorobenzene[1,4-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
SVOC	SFB-23-295641	0	0.5	08/16/2023	106-46-7	Dichlorobenzene[1,4-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	91-94-1	Dichlorobenzidine[3,3'-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
VOC	SFB-23-295641	0	0.5	08/16/2023	75-71-8	Dichlorodifluoromethane	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	75-34-3	Dichloroethane[1,1-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	107-06-2	Dichloroethane[1,2-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	75-35-4	Dichloroethene[1,1-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295641	0	0.5	08/16/2023	156-59-2	Dichloroethene[cis-1,2-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	156-60-5	Dichloroethene[trans-1,2-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
SVOC	SFB-23-295641	0	0.5	08/16/2023	120-83-2	Dichlorophenol[2,4-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
VOC	SFB-23-295641	0	0.5	08/16/2023	78-87-5	Dichloropropane[1,2-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	142-28-9	Dichloropropane[1,3-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	594-20-7	Dichloropropane[2,2-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	563-58-6	Dichloropropene[1,1-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	10061-01-5	Dichloropropene[cis-1,3-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	10061-02-6	Dichloropropene[trans-1,3-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
SVOC	SFB-23-295641	0	0.5	08/16/2023	84-66-2	Diethylphthalate	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295641	0	0.5	08/16/2023	131-11-3	Dimethyl Phthalate	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295641	0	0.5	08/16/2023	105-67-9	Dimethylphenol[2,4-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	84-74-2	Di-n-butylphthalate	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295641	0	0.5	08/16/2023	534-52-1	Dinitro-2-methylphenol[4,6-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295641	0	0.5	08/16/2023	99-65-0	Dinitrobenzene[1,3-]	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	51-28-5	Dinitrophenol[2,4-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	6.62E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	121-14-2	Dinitrotoluene[2,4-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295641	0	0.5	08/16/2023	121-14-2	Dinitrotoluene[2,4-]	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	606-20-2	Dinitrotoluene[2,6-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295641	0	0.5	08/16/2023	606-20-2	Dinitrotoluene[2,6-]	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	117-84-0	Di-n-octylphthalate	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295641	0	0.5	08/16/2023	122-39-4	Diphenylamine	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
PFAS	SFB-23-295641	0	0.5	08/16/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.74E-01	ng/g	U	N	ND	3.74E-04	0.948
PFAS	SFB-23-295641	0	0.5	08/16/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.61E-01	ng/g	U	N	ND	2.61E-04	0.948
VOC	SFB-23-295641	0	0.5	08/16/2023	100-41-4	Ethylbenzene	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
PFAS	SFB-23-295641	0	0.5	08/16/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	3.89E-01	ng/g	U	N	ND	3.89E-04	0.948
SVOC	SFB-23-295641	0	0.5	08/16/2023	206-44-0	Fluoranthene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295641	0	0.5	08/16/2023	86-73-7	Fluorene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.13E-05	mg/kg		Y	1.13E-05	1.13E-05	5.00E-06
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	37871-00-4	Heptachlorodibenzodioxins (Total)	2.12E-05	mg/kg		Y	2.12E-05	2.12E-05	5.00E-06
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	4.66E-06	mg/kg	J	Y	4.66E-06	4.66E-06	5.00E-06
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	5.00E-07	mg/kg	U	N	ND	1.19E-06	5.00E-06
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	38998-75-3	Heptachlorodibenzofurans (Total)	8.12E-06	mg/kg	J	Y	8.12E-06	8.12E-06	5.00E-06
SVOC	SFB-23-295641	0	0.5	08/16/2023	118-74-1	Hexachlorobenzene	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	87-68-3	Hexachlorobutadiene	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	77-47-4	Hexachlorocyclopentadiene	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	5.00E-07	mg/kg	U	N	ND	1.25E-06	5.00E-06
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	5.00E-07	mg/kg	U	N	ND	1.15E-06	5.00E-06
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	5.68E-07	mg/kg	JK	Y	5.68E-07	5.68E-07	5.00E-06
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	34465-46-8	Hexachlorodibenzodioxins (Total)	3.97E-06	mg/kg	J	Y	3.97E-06	3.97E-06	5.00E-06
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	5.00E-07	mg/kg	U	N	ND	1.14E-06	5.00E-06
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	5.00E-07	mg/kg	U	N	ND	9.99E-07	5.00E-06
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	5.00E-07	mg/kg	U	N	ND	1.40E-06	5.00E-06
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	5.00E-07	mg/kg	U	N	ND	1.21E-06	5.00E-06
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	55684-94-1	Hexachlorodibenzofurans (Total)	3.55E-06	mg/kg	J	Y	3.55E-06	3.55E-06	5.00E-06
SVOC	SFB-23-295641	0	0.5	08/16/2023	67-72-1	Hexachloroethane	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
PFAS	SFB-23-295641	0	0.5	08/16/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.56E-01	ng/g	U	N	ND	1.56E-04	0.474
VOC	SFB-23-295641	0	0.5	08/16/2023	591-78-6	Hexanone[2-]	1.63E-03	mg/kg	U	N	ND	1.63E-03	4.90E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295641	0	0.5	08/16/2023	2691-41-0	HMX	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	193-39-5	Indeno(1,2,3-cd)pyrene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
VOC	SFB-23-295641	0	0.5	08/16/2023	74-88-4	Iodomethane	1.63E-03	mg/kg	U	N	ND	1.63E-03	4.90E-03
INORGANIC	SFB-23-295641	0	0.5	08/16/2023	Fe	Iron	1.60E+04	mg/kg		Y	1.60E+04	1.60E+04	2.40E+01
SVOC	SFB-23-295641	0	0.5	08/16/2023	78-59-1	Isophorone	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
VOC	SFB-23-295641	0	0.5	08/16/2023	98-82-8	Isopropylbenzene	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295641	0	0.5	08/16/2023	99-87-6	Isopropyltoluene[4-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
INORGANIC	SFB-23-295641	0	0.5	08/16/2023	Pb	Lead	6.40E+00	mg/kg	*	Y	6.40E+00	6.40E+00	1.92E+00
INORGANIC	SFB-23-295641	0	0.5	08/16/2023	Mg	Magnesium	2.46E+03	mg/kg	N	Y	2.46E+03	2.46E+03	2.88E+01
INORGANIC	SFB-23-295641	0	0.5	08/16/2023	Mn	Manganese	2.70E+02	mg/kg		Y	2.70E+02	2.70E+02	9.60E-01
INORGANIC	SFB-23-295641	0	0.5	08/16/2023	Hg	Mercury	7.28E-03	mg/kg	U	N	ND	7.28E-03	2.17E-02
PFAS	SFB-23-295641	0	0.5	08/16/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[M	3.70E-01	ng/g	U	N	ND	3.70E-04	0.948
PFAS	SFB-23-295641	0	0.5	08/16/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.13E-01	ng/g	U	N	ND	3.13E-04	0.948
VOC	SFB-23-295641	0	0.5	08/16/2023	108-10-1	Methyl-2-pentanone[4-]	1.63E-03	mg/kg	U	N	ND	1.63E-03	4.90E-03
VOC	SFB-23-295641	0	0.5	08/16/2023	75-09-2	Methylene Chloride	1.63E-03	mg/kg	U	N	ND	1.63E-03	4.90E-03
SVOC	SFB-23-295641	0	0.5	08/16/2023	91-57-6	Methylnaphthalene[2-]	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
PFAS	SFB-23-295641	0	0.5	08/16/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.12E-01	ng/g	U	N	ND	4.12E-04	0.948
SVOC	SFB-23-295641	0	0.5	08/16/2023	95-48-7	Methylphenol[2-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	65794-96-9	Methylphenol[3-,4-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	91-20-3	Naphthalene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
INORGANIC	SFB-23-295641	0	0.5	08/16/2023	Ni	Nickel	7.62E+00	mg/kg	N	Y	7.62E+00	7.62E+00	3.88E-01
GENERAL CHEMISTRY	SFB-23-295641	0	0.5	08/16/2023	NO3	Nitrate	3.25E-01	mg/kg	U	N	ND	3.25E-01	9.85E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	88-74-4	Nitroaniline[2-]	1.09E-01	mg/kg	U	N	ND	1.09E-01	3.31E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	99-09-2	Nitroaniline[3-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	100-01-6	Nitroaniline[4-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	98-95-3	Nitrobenzene	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295641	0	0.5	08/16/2023	98-95-3	Nitrobenzene	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	88-75-5	Nitrophenol[2-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	100-02-7	Nitrophenol[4-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	62-75-9	Nitrosodimethylamine[N-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	621-64-7	Nitroso-di-n-propylamine[N-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295641	0	0.5	08/16/2023	88-72-2	Nitrotoluene[2-]	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295641	0	0.5	08/16/2023	99-08-1	Nitrotoluene[3-]	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295641	0	0.5	08/16/2023	99-99-0	Nitrotoluene[4-]	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	6.40E-05	mg/kg		Y	6.40E-05	6.40E-05	1.00E-05
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	5.51E-06	mg/kg	J	Y	5.51E-06	5.51E-06	1.00E-05
SVOC	SFB-23-295641	0	0.5	08/16/2023	108-60-1	Oxybis(1-chloropropane)[2,2'-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	5.00E-07	mg/kg	U	N	ND	1.30E-06	5.00E-06
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	36088-22-9	Pentachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	1.30E-06	5.00E-06
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	5.00E-07	mg/kg	U	N	ND	1.15E-06	5.00E-06
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	5.00E-07	mg/kg	U	N	ND	1.29E-06	5.00E-06
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	30402-15-4	Pentachlorodibenzofurans (Totals)	8.48E-07	mg/kg	J	Y	8.48E-07	8.48E-07	5.00E-06
SVOC	SFB-23-295641	0	0.5	08/16/2023	87-86-5	Pentachlorophenol	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
LCMS/MS	SFB-23-295641	0	0.5	08/16/2023	ClO4	Perchlorate	1.28E-03	mg/kg	J	Y	1.28E-03	1.28E-03	1.82E-03
PFAS	SFB-23-295641	0	0.5	08/16/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.75E-01	ng/g	U	N	ND	1.75E-04	0.450
PFAS	SFB-23-295641	0	0.5	08/16/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.56E-01	ng/g	U	N	ND	1.56E-04	0.474
PFAS	SFB-23-295641	0	0.5	08/16/2023	375-73-5	Perfluorobutanesulfonic acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.422
PFAS	SFB-23-295641	0	0.5	08/16/2023	375-22-4	Perfluorobutanoic acid	1.90E-01	ng/g	U	N	ND	1.90E-04	0.474
PFAS	SFB-23-295641	0	0.5	08/16/2023	335-77-3	Perfluorodecane sulfonate	1.56E-01	ng/g	U	N	ND	1.56E-04	0.460
PFAS	SFB-23-295641	0	0.5	08/16/2023	335-76-2	Perfluorodecanoic acid	3.51E-01	ng/g	U	N	ND	3.51E-04	0.948
PFAS	SFB-23-295641	0	0.5	08/16/2023	79780-39-5	Perfluorododecanesulfonic acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.459
PFAS	SFB-23-295641	0	0.5	08/16/2023	307-55-1	Perfluorododecanoic acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.474
PFAS	SFB-23-295641	0	0.5	08/16/2023	375-85-9	Perfluoroheptanoic acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.474
PFAS	SFB-23-295641	0	0.5	08/16/2023	355-46-4	Perfluorohexanesulfonic acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.431
PFAS	SFB-23-295641	0	0.5	08/16/2023	307-24-4	Perfluorohexanoic acid	1.90E-01	ng/g	U	N	ND	1.90E-04	0.474
PFAS	SFB-23-295641	0	0.5	08/16/2023	68259-12-1	Perfluorononanesulfonic acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.455
PFAS	SFB-23-295641	0	0.5	08/16/2023	375-95-1	Perfluorononanoic acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.474
PFAS	SFB-23-295641	0	0.5	08/16/2023	1763-23-1	Perfluorooctanesulfonic acid	1.90E-01	ng/g	U	N	ND	1.90E-04	0.474
PFAS	SFB-23-295641	0	0.5	08/16/2023	335-67-1	Perfluorooctanoic acid	1.90E-01	ng/g	U	N	ND	1.90E-04	0.474
PFAS	SFB-23-295641	0	0.5	08/16/2023	2706-91-4	Perfluoropentanesulfonic acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.445

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
PFAS	SFB-23-295641	0	0.5	08/16/2023	2706-90-3	Perfluoropentanoic acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.474
PFAS	SFB-23-295641	0	0.5	08/16/2023	376-06-7	Perfluorotetradecanoic acid	1.90E-01	ng/g	U	N	ND	1.90E-04	0.474
PFAS	SFB-23-295641	0	0.5	08/16/2023	72629-94-8	Perfluorotridecanoic acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.474
PFAS	SFB-23-295641	0	0.5	08/16/2023	2058-94-8	Perfluoroundecanoic acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.474
LCMS/MS HIGH EXPLOSIVES	SFB-23-295641	0	0.5	08/16/2023	78-11-5	PETN	2.35E-01	mg/kg	U	N	ND	2.35E-01	9.39E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	85-01-8	Phenanthrene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295641	0	0.5	08/16/2023	108-95-2	Phenol	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
INORGANIC	SFB-23-295641	0	0.5	08/16/2023	K	Potassium	6.09E+02	mg/kg	N	Y	6.09E+02	6.09E+02	2.40E+01
VOC	SFB-23-295641	0	0.5	08/16/2023	103-65-1	Propylbenzene[1-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
SVOC	SFB-23-295641	0	0.5	08/16/2023	129-00-0	Pyrene	9.92E-03	mg/kg	U	N	ND	9.92E-03	3.31E-02
SVOC	SFB-23-295641	0	0.5	08/16/2023	110-86-1	Pyridine	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295641	0	0.5	08/16/2023	121-82-4	RDX	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
INORGANIC	SFB-23-295641	0	0.5	08/16/2023	Se	Selenium	5.08E-01	mg/kg	JN	Y	5.08E-01	5.08E-01	9.69E-01
INORGANIC	SFB-23-295641	0	0.5	08/16/2023	Ag	Silver	2.62E-01	mg/kg	J	Y	2.62E-01	2.62E-01	4.80E-01
INORGANIC	SFB-23-295641	0	0.5	08/16/2023	Na	Sodium	7.33E+01	mg/kg		Y	7.33E+01	7.33E+01	2.40E+01
VOC	SFB-23-295641	0	0.5	08/16/2023	100-42-5	Styrene	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295641	0	0.5	08/16/2023	3058-38-6	TATB	2.82E-01	mg/kg	U	N	ND	2.82E-01	9.39E-01
GENERAL CHEMISTRY	SFB-23-295641	0	0.5	08/16/2023	TEMP	Temperature	4.10E+00	deg C		Y		0.00E+00	
GENERAL CHEMISTRY	SFB-23-295641	0	0.5	08/16/2023	TEMP	Temperature	6.00E+00	deg C		Y		0.00E+00	
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	1.00E-07	mg/kg	U	N	ND	2.67E-07	1.00E-06
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	41903-57-5	Tetrachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	2.67E-07	1.00E-06
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	1.94E-07	mg/kg	BJK	N	ND	4.01E-07	1.00E-06
HRGC/HRMS	SFB-23-295641	0	0.5	08/16/2023	55722-27-5	Tetrachlorodibenzofurans (Totals)	1.54E-07	mg/kg	BJ	N	ND	4.01E-07	1.00E-06
VOC	SFB-23-295641	0	0.5	08/16/2023	630-20-6	Tetrachloroethane[1,1,1,2-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	79-34-5	Tetrachloroethane[1,1,2,2-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	127-18-4	Tetrachloroethene	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295641	0	0.5	08/16/2023	479-45-8	Tetryl	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
INORGANIC	SFB-23-295641	0	0.5	08/16/2023	Tl	Thallium	1.36E-01	mg/kg	U	N	ND	1.36E-01	3.88E-01
VOC	SFB-23-295641	0	0.5	08/16/2023	108-88-3	Toluene	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
TPH	SFB-23-295641	0	0.5	08/16/2023	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	2.16E+00	mg/kg	U	N	ND	2.16E+00	6.64E+00
TPH	SFB-23-295641	0	0.5	08/16/2023	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	1.67E+00	mg/kg	U	N	ND	1.67E+00	1.00E+01
PFAS	SFB-23-295641	0	0.5	08/16/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295641	0	0.5	08/16/2023	PFAS-Tot-37a	Total PFAS 37a	0.00E+00	ng/g	U	N	ND	1.56E-04	4.22E-01
PFAS	SFB-23-295641	0	0.5	08/16/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
VOC	SFB-23-295641	0	0.5	08/16/2023	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.63E-03	mg/kg	U	N	ND	1.63E-03	4.90E-03
SVOC	SFB-23-295641	0	0.5	08/16/2023	120-82-1	Trichlorobenzene[1,2,4-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
VOC	SFB-23-295641	0	0.5	08/16/2023	71-55-6	Trichloroethane[1,1,1-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	79-00-5	Trichloroethane[1,1,2-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	79-01-6	Trichloroethene	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	75-69-4	Trichlorofluoromethane	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
SVOC	SFB-23-295641	0	0.5	08/16/2023	95-95-4	Trichlorophenol[2,4,5-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
SVOC	SFB-23-295641	0	0.5	08/16/2023	88-06-2	Trichlorophenol[2,4,6-]	9.92E-02	mg/kg	U	N	ND	9.92E-02	3.31E-01
VOC	SFB-23-295641	0	0.5	08/16/2023	96-18-4	Trichloropropane[1,2,3-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	95-63-6	Trimethylbenzene[1,2,4-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	108-67-8	Trimethylbenzene[1,3,5-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295641	0	0.5	08/16/2023	99-35-4	Trinitrobenzene[1,3,5-]	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295641	0	0.5	08/16/2023	118-96-7	Trinitrotoluene[2,4,6-]	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295641	0	0.5	08/16/2023	78-30-8	Tris (o-cresyl) phosphate	2.82E-01	mg/kg	U	N	ND	2.82E-01	9.39E-01
INORGANIC	SFB-23-295641	0	0.5	08/16/2023	V	Vanadium	3.24E+01	mg/kg		Y	3.24E+01	3.24E+01	4.80E-01
VOC	SFB-23-295641	0	0.5	08/16/2023	75-01-4	Vinyl Chloride	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	95-47-6	Xylene[1,2-]	3.26E-04	mg/kg	U	N	ND	3.26E-04	9.80E-04
VOC	SFB-23-295641	0	0.5	08/16/2023	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.54E-04	mg/kg	U	N	ND	6.54E-04	1.96E-03
INORGANIC	SFB-23-295641	0	0.5	08/16/2023	Zn	Zinc	2.95E+01	mg/kg		Y	2.95E+01	2.95E+01	1.92E+00
PFAS	SFB-23-295642	0	0.5	08/16/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.59E-01	ng/g	U	N	ND	1.59E-04	0.453

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
PFAS	SFB-23-295642	0	0.5	08/16/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	9.25E+00	ng/g	U	N	ND	9.25E-03	23.1
PFAS	SFB-23-295642	0	0.5	08/16/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	7.93E+00	ng/g	U	N	ND	7.93E-03	23.1
PFAS	SFB-23-295642	0	0.5	08/16/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	9.62E+00	ng/g	U	N	ND	9.62E-03	22.6
PFAS	SFB-23-295642	0	0.5	08/16/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	3.23E+01	ng/g	U	N	ND	3.23E-02	90.1
LCMS/MS HIGH EXPLOSIVES	SFB-23-295642	0	0.5	08/16/2023	6629-29-4	2,4-Diamino-6-nitrotoluene	4.78E-01	mg/kg	U	N	ND	4.78E-01	1.91E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295642	0	0.5	08/16/2023	59229-75-3	2,6-Diamino-4-nitrotoluene	6.32E-01	mg/kg	U	N	ND	6.32E-01	1.91E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295642	0	0.5	08/16/2023	618-87-1	3,5-Dinitroaniline	2.87E-01	mg/kg	U	N	ND	2.87E-01	9.57E-01
PFAS	SFB-23-295642	0	0.5	08/16/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962
PFAS	SFB-23-295642	0	0.5	08/16/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962
PFAS	SFB-23-295642	0	0.5	08/16/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962
PFAS	SFB-23-295642	0	0.5	08/16/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295642	0	0.5	08/16/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.59E-01	ng/g	U	N	ND	1.59E-04	0.448
SVOC	SFB-23-295642	0	0.5	08/16/2023	83-32-9	Acenaphthene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295642	0	0.5	08/16/2023	208-96-8	Acenaphthylene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
VOC	SFB-23-295642	0	0.5	08/16/2023	67-64-1	Acetone	5.62E-03	mg/kg		N	ND	1.65E-03	4.96E-03
INORGANIC	SFB-23-295642	0	0.5	08/16/2023	Al	Aluminum	3.34E+03	mg/kg		Y	3.34E+03	3.34E+03	1.82E+01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295642	0	0.5	08/16/2023	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295642	0	0.5	08/16/2023	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	62-53-3	Aniline	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	120-12-7	Anthracene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
INORGANIC	SFB-23-295642	0	0.5	08/16/2023	Sb	Antimony	3.01E-01	mg/kg	U	N	ND	3.01E-01	1.82E+00
INORGANIC	SFB-23-295642	0	0.5	08/16/2023	As	Arsenic	2.36E+00	mg/kg		Y	2.36E+00	2.36E+00	9.62E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	103-33-3	Azobenzene	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
INORGANIC	SFB-23-295642	0	0.5	08/16/2023	Ba	Barium	7.15E+02	mg/kg		Y	7.15E+02	7.15E+02	4.56E-01
VOC	SFB-23-295642	0	0.5	08/16/2023	71-43-2	Benzene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295642	0	0.5	08/16/2023	56-55-3	Benzo(a)anthracene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295642	0	0.5	08/16/2023	50-32-8	Benzo(a)pyrene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295642	0	0.5	08/16/2023	205-99-2	Benzo(b)fluoranthene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295642	0	0.5	08/16/2023	191-24-2	Benzo(g,h,i)perylene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295642	0	0.5	08/16/2023	207-08-9	Benzo(k)fluoranthene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295642	0	0.5	08/16/2023	65-85-0	Benzoic Acid	1.67E-01	mg/kg	U	N	ND	1.67E-01	6.66E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	100-51-6	Benzyl Alcohol	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
INORGANIC	SFB-23-295642	0	0.5	08/16/2023	Be	Beryllium	4.11E-01	mg/kg		Y	4.11E-01	4.11E-01	9.62E-02
SVOC	SFB-23-295642	0	0.5	08/16/2023	111-91-1	Bis(2-chloroethoxy)methane	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	111-44-4	Bis(2-chloroethyl)ether	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	117-81-7	Bis(2-ethylhexyl)phthalate	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
VOC	SFB-23-295642	0	0.5	08/16/2023	108-86-1	Bromobenzene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	74-97-5	Bromochloromethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	75-27-4	Bromodichloromethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	75-25-2	Bromoform	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	74-83-9	Bromomethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295642	0	0.5	08/16/2023	101-55-3	Bromophenyl-phenylether[4-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
VOC	SFB-23-295642	0	0.5	08/16/2023	78-93-3	Butanone[2-]	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
VOC	SFB-23-295642	0	0.5	08/16/2023	104-51-8	Butylbenzene[n-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	135-98-8	Butylbenzene[sec-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	98-06-6	Butylbenzene[tert-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295642	0	0.5	08/16/2023	85-68-7	Butylbenzylphthalate	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
INORGANIC	SFB-23-295642	0	0.5	08/16/2023	Cd	Cadmium	9.12E-02	mg/kg	U	N	ND	9.12E-02	4.56E-01
INORGANIC	SFB-23-295642	0	0.5	08/16/2023	Ca	Calcium	1.15E+03	mg/kg	N	Y	1.15E+03	1.15E+03	2.28E+01
VOC	SFB-23-295642	0	0.5	08/16/2023	75-15-0	Carbon Disulfide	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
VOC	SFB-23-295642	0	0.5	08/16/2023	56-23-5	Carbon Tetrachloride	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295642	0	0.5	08/16/2023	59-50-7	Chloro-3-methylphenol[4-]	1.33E-01	mg/kg	U	N	ND	1.33E-01	3.33E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	106-47-8	Chloroaniline[4-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
VOC	SFB-23-295642	0	0.5	08/16/2023	108-90-7	Chlorobenzene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295642	0	0.5	08/16/2023	124-48-1	Chlorodibromomethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	75-00-3	Chloroethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	67-66-3	Chloroform	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	74-87-3	Chloromethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295642	0	0.5	08/16/2023	91-58-7	Chloronaphthalene[2-]	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295642	0	0.5	08/16/2023	95-57-8	Chlorophenol[2-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	7005-72-3	Chlorophenyl-phenyl[4-] Ether	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
VOC	SFB-23-295642	0	0.5	08/16/2023	95-49-8	Chlorotoluene[2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	106-43-4	Chlorotoluene[4-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
INORGANIC	SFB-23-295642	0	0.5	08/16/2023	Cr	Chromium	4.00E+00	mg/kg	*	Y	4.00E+00	4.00E+00	9.12E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	218-01-9	Chrysene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
INORGANIC	SFB-23-295642	0	0.5	08/16/2023	Co	Cobalt	1.66E+00	mg/kg		Y	1.66E+00	1.66E+00	4.56E-01
INORGANIC	SFB-23-295642	0	0.5	08/16/2023	Cu	Copper	6.34E+00	mg/kg		Y	6.34E+00	6.34E+00	1.82E+00
SVOC	SFB-23-295642	0	0.5	08/16/2023	53-70-3	Dibenz(a,h)anthracene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295642	0	0.5	08/16/2023	132-64-9	Dibenzofuran	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
VOC	SFB-23-295642	0	0.5	08/16/2023	96-12-8	Dibromo-3-Chloropropane[1,2-]	4.96E-04	mg/kg	U	N	ND	4.96E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	106-93-4	Dibromoethane[1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	74-95-3	Dibromomethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	95-50-1	Dichlorobenzene[1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295642	0	0.5	08/16/2023	95-50-1	Dichlorobenzene[1,2-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
VOC	SFB-23-295642	0	0.5	08/16/2023	541-73-1	Dichlorobenzene[1,3-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295642	0	0.5	08/16/2023	541-73-1	Dichlorobenzene[1,3-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
VOC	SFB-23-295642	0	0.5	08/16/2023	106-46-7	Dichlorobenzene[1,4-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295642	0	0.5	08/16/2023	106-46-7	Dichlorobenzene[1,4-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	91-94-1	Dichlorobenzidine[3,3'-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
VOC	SFB-23-295642	0	0.5	08/16/2023	75-71-8	Dichlorodifluoromethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	75-34-3	Dichloroethane[1,1-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	107-06-2	Dichloroethane[1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	75-35-4	Dichloroethene[1,1-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	156-59-2	Dichloroethene[cis-1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	156-60-5	Dichloroethene[trans-1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295642	0	0.5	08/16/2023	120-83-2	Dichlorophenol[2,4-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
VOC	SFB-23-295642	0	0.5	08/16/2023	78-87-5	Dichloropropane[1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	142-28-9	Dichloropropane[1,3-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	594-20-7	Dichloropropane[2,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	563-58-6	Dichloropropene[1,1-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	10061-01-5	Dichloropropene[cis-1,3-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	10061-02-6	Dichloropropene[trans-1,3-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295642	0	0.5	08/16/2023	84-66-2	Diethylphthalate	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295642	0	0.5	08/16/2023	131-11-3	Dimethyl Phthalate	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295642	0	0.5	08/16/2023	105-67-9	Dimethylphenol[2,4-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	84-74-2	Di-n-butylphthalate	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295642	0	0.5	08/16/2023	534-52-1	Dinitro-2-methylphenol[4,6-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295642	0	0.5	08/16/2023	99-65-0	Dinitrobenzene[1,3-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	51-28-5	Dinitrophenol[2,4-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	6.66E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	121-14-2	Dinitrotoluene[2,4-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295642	0	0.5	08/16/2023	121-14-2	Dinitrotoluene[2,4-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	606-20-2	Dinitrotoluene[2,6-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295642	0	0.5	08/16/2023	606-20-2	Dinitrotoluene[2,6-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	117-84-0	Di-n-octylphthalate	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295642	0	0.5	08/16/2023	122-39-4	Diphenylamine	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
PFAS	SFB-23-295642	0	0.5	08/16/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.80E-01	ng/g	U	N	ND	3.80E-04	0.962
PFAS	SFB-23-295642	0	0.5	08/16/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	6.61E+00	ng/g	U	N	ND	6.61E-03	24.0
VOC	SFB-23-295642	0	0.5	08/16/2023	100-41-4	Ethylbenzene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
PFAS	SFB-23-295642	0	0.5	08/16/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	3.94E-01	ng/g	U	N	ND	3.94E-04	0.962
SVOC	SFB-23-295642	0	0.5	08/16/2023	206-44-0	Fluoranthene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295642	0	0.5	08/16/2023	86-73-7	Fluorene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.57E-05	mg/kg		Y	1.57E-05	1.57E-05	4.98E-06
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	37871-00-4	Heptachlorodibenzodioxins (Total)	3.06E-05	mg/kg		Y	3.06E-05	3.06E-05	4.98E-06
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	7.53E-06	mg/kg		Y	7.53E-06	7.53E-06	4.98E-06
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	5.42E-07	mg/kg	JK	Y	5.42E-07	5.42E-07	4.98E-06
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	38998-75-3	Heptachlorodibenzofurans (Total)	1.55E-05	mg/kg	J	Y	1.55E-05	1.55E-05	4.98E-06
SVOC	SFB-23-295642	0	0.5	08/16/2023	118-74-1	Hexachlorobenzene	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	87-68-3	Hexachlorobutadiene	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	77-47-4	Hexachlorocyclopentadiene	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.98E-07	mg/kg	U	N	ND	1.24E-06	4.98E-06
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	6.98E-07	mg/kg	JK	Y	6.98E-07	6.98E-07	4.98E-06
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	6.84E-07	mg/kg	J	Y	6.84E-07	6.84E-07	4.98E-06
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	34465-46-8	Hexachlorodibenzodioxins (Total)	6.12E-06	mg/kg	J	Y	6.12E-06	6.12E-06	4.98E-06
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	8.77E-07	mg/kg	JK	Y	8.77E-07	8.77E-07	4.98E-06
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.98E-07	mg/kg	U	N	ND	9.95E-07	4.98E-06
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.98E-07	mg/kg	U	N	ND	1.39E-06	4.98E-06
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	6.82E-07	mg/kg	J	Y	6.82E-07	6.82E-07	4.98E-06
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	55684-94-1	Hexachlorodibenzofurans (Total)	6.16E-06	mg/kg	J	Y	6.16E-06	6.16E-06	4.98E-06
SVOC	SFB-23-295642	0	0.5	08/16/2023	67-72-1	Hexachloroethane	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
PFAS	SFB-23-295642	0	0.5	08/16/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
VOC	SFB-23-295642	0	0.5	08/16/2023	591-78-6	Hexanone[2-]	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295642	0	0.5	08/16/2023	2691-41-0	HMX	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	193-39-5	Indeno(1,2,3-cd)pyrene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
VOC	SFB-23-295642	0	0.5	08/16/2023	74-88-4	Iodomethane	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
INORGANIC	SFB-23-295642	0	0.5	08/16/2023	Fe	Iron	1.20E+04	mg/kg		Y	1.20E+04	1.20E+04	2.28E+01
SVOC	SFB-23-295642	0	0.5	08/16/2023	78-59-1	Isophorone	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
VOC	SFB-23-295642	0	0.5	08/16/2023	98-82-8	Isopropylbenzene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	99-87-6	Isopropyltoluene[4-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
INORGANIC	SFB-23-295642	0	0.5	08/16/2023	Pb	Lead	1.53E+01	mg/kg	*	Y	1.53E+01	1.53E+01	1.82E+00
INORGANIC	SFB-23-295642	0	0.5	08/16/2023	Mg	Magnesium	8.16E+02	mg/kg	N	Y	8.16E+02	8.16E+02	2.74E+01
INORGANIC	SFB-23-295642	0	0.5	08/16/2023	Mn	Manganese	2.39E+02	mg/kg		Y	2.39E+02	2.39E+02	9.12E-01
INORGANIC	SFB-23-295642	0	0.5	08/16/2023	Hg	Mercury	2.33E-02	mg/kg		Y	2.33E-02	2.33E-02	2.11E-02
PFAS	SFB-23-295642	0	0.5	08/16/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[N	3.75E-01	ng/g	U	N	ND	3.75E-04	0.962
PFAS	SFB-23-295642	0	0.5	08/16/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962
VOC	SFB-23-295642	0	0.5	08/16/2023	108-10-1	Methyl-2-pentanone[4-]	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
VOC	SFB-23-295642	0	0.5	08/16/2023	75-09-2	Methylene Chloride	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
SVOC	SFB-23-295642	0	0.5	08/16/2023	91-57-6	Methylnaphthalene[2-]	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
PFAS	SFB-23-295642	0	0.5	08/16/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.18E-01	ng/g	U	N	ND	4.18E-04	0.962
SVOC	SFB-23-295642	0	0.5	08/16/2023	95-48-7	Methylphenol[2-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	65794-96-9	Methylphenol[3-,4-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	91-20-3	Naphthalene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
INORGANIC	SFB-23-295642	0	0.5	08/16/2023	Ni	Nickel	3.52E+00	mg/kg	N	Y	3.52E+00	3.52E+00	3.85E-01
GENERAL CHEMISTRY	SFB-23-295642	0	0.5	08/16/2023	NO3	Nitrate	3.29E-01	mg/kg	U	N	ND	3.29E-01	9.98E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	88-74-4	Nitroaniline[2-]	1.10E-01	mg/kg	U	N	ND	1.10E-01	3.33E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	99-09-2	Nitroaniline[3-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	100-01-6	Nitroaniline[4-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	98-95-3	Nitrobenzene	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295642	0	0.5	08/16/2023	98-95-3	Nitrobenzene	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	88-75-5	Nitrophenol[2-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	100-02-7	Nitrophenol[4-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	62-75-9	Nitrosodimethylamine[N-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	621-64-7	Nitroso-di-n-propylamine[N-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
LCMS/MS HIGH EXPLOSIVES	SFB-23-295642	0	0.5	08/16/2023	88-72-2	Nitrotoluene[2-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295642	0	0.5	08/16/2023	99-08-1	Nitrotoluene[3-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295642	0	0.5	08/16/2023	99-99-0	Nitrotoluene[4-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.12E-04	mg/kg		Y	1.12E-04	1.12E-04	9.97E-06
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.46E-05	mg/kg		Y	1.46E-05	1.46E-05	9.97E-06
SVOC	SFB-23-295642	0	0.5	08/16/2023	108-60-1	Oxybis(1-chloropropane)[2,2'-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.98E-07	mg/kg	U	N	ND	1.30E-06	4.98E-06
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	36088-22-9	Pentachlorodibenzodioxins (Total)	1.50E-06	mg/kg	J	Y	1.50E-06	1.50E-06	4.98E-06
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	9.01E-07	mg/kg	J	Y	9.01E-07	9.01E-07	4.98E-06
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.98E-07	mg/kg	U	N	ND	1.29E-06	4.98E-06
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	30402-15-4	Pentachlorodibenzofurans (Totals)	6.19E-06	mg/kg	J	Y	6.19E-06	6.19E-06	4.98E-06
SVOC	SFB-23-295642	0	0.5	08/16/2023	87-86-5	Pentachlorophenol	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
LCMS/MS	SFB-23-295642	0	0.5	08/16/2023	ClO4	Perchlorate	4.78E-04	mg/kg	U	N	ND	4.78E-04	1.91E-03
PFAS	SFB-23-295642	0	0.5	08/16/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.78E-01	ng/g	U	N	ND	1.78E-04	0.457
PFAS	SFB-23-295642	0	0.5	08/16/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295642	0	0.5	08/16/2023	375-73-5	Perfluorobutanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.428
PFAS	SFB-23-295642	0	0.5	08/16/2023	375-22-4	Perfluorobutanoic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295642	0	0.5	08/16/2023	335-77-3	Perfluorodecane sulfonate	1.59E-01	ng/g	U	N	ND	1.59E-04	0.466
PFAS	SFB-23-295642	0	0.5	08/16/2023	335-76-2	Perfluorodecanoic acid	3.56E-01	ng/g	U	N	ND	3.56E-04	0.962
PFAS	SFB-23-295642	0	0.5	08/16/2023	79780-39-5	Perfluorododecanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.465
PFAS	SFB-23-295642	0	0.5	08/16/2023	307-55-1	Perfluorododecanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295642	0	0.5	08/16/2023	375-85-9	Perfluoroheptanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295642	0	0.5	08/16/2023	355-46-4	Perfluorohexanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.438
PFAS	SFB-23-295642	0	0.5	08/16/2023	307-24-4	Perfluorohexanoic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295642	0	0.5	08/16/2023	68259-12-1	Perfluorononanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.462
PFAS	SFB-23-295642	0	0.5	08/16/2023	375-95-1	Perfluorononanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295642	0	0.5	08/16/2023	1763-23-1	Perfluorooctanesulfonic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295642	0	0.5	08/16/2023	335-67-1	Perfluorooctanoic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295642	0	0.5	08/16/2023	2706-91-4	Perfluoropentanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.452
PFAS	SFB-23-295642	0	0.5	08/16/2023	2706-90-3	Perfluoropentanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295642	0	0.5	08/16/2023	376-06-7	Perfluorotetradecanoic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295642	0	0.5	08/16/2023	72629-94-8	Perfluorotridecanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295642	0	0.5	08/16/2023	2058-94-8	Perfluoroundecanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
LCMS/MS HIGH EXPLOSIVES	SFB-23-295642	0	0.5	08/16/2023	78-11-5	PETN	2.39E-01	mg/kg	U	N	ND	2.39E-01	9.57E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	85-01-8	Phenanthrene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295642	0	0.5	08/16/2023	108-95-2	Phenol	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
INORGANIC	SFB-23-295642	0	0.5	08/16/2023	K	Potassium	7.52E+02	mg/kg	N	Y	7.52E+02	7.52E+02	2.28E+01
VOC	SFB-23-295642	0	0.5	08/16/2023	103-65-1	Propylbenzene[1-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295642	0	0.5	08/16/2023	129-00-0	Pyrene	9.99E-03	mg/kg	U	N	ND	9.99E-03	3.33E-02
SVOC	SFB-23-295642	0	0.5	08/16/2023	110-86-1	Pyridine	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295642	0	0.5	08/16/2023	121-82-4	RDX	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
INORGANIC	SFB-23-295642	0	0.5	08/16/2023	Se	Selenium	9.02E-01	mg/kg	JN	Y	9.02E-01	9.02E-01	9.62E-01
INORGANIC	SFB-23-295642	0	0.5	08/16/2023	Ag	Silver	2.66E-01	mg/kg	J	Y	2.66E-01	2.66E-01	4.56E-01
INORGANIC	SFB-23-295642	0	0.5	08/16/2023	Na	Sodium	1.03E+02	mg/kg		Y	1.03E+02	1.03E+02	2.28E+01
VOC	SFB-23-295642	0	0.5	08/16/2023	100-42-5	Styrene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295642	0	0.5	08/16/2023	3058-38-6	TATB	2.87E-01	mg/kg	U	N	ND	2.87E-01	9.57E-01
GENERAL CHEMISTRY	SFB-23-295642	0	0.5	08/16/2023	TEMP	Temperature	4.10E+00	deg C		Y		0.00E+00	
GENERAL CHEMISTRY	SFB-23-295642	0	0.5	08/16/2023	TEMP	Temperature	6.00E+00	deg C		Y		0.00E+00	
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	1.16E-07	mg/kg	U	N	ND	2.66E-07	9.97E-07
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	41903-57-5	Tetrachlorodibenzodioxins (Total)	8.47E-07	mg/kg	J	Y	8.47E-07	8.47E-07	9.97E-07
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	4.37E-07	mg/kg	BJ	N	ND	4.00E-07	9.97E-07
HRGC/HRMS	SFB-23-295642	0	0.5	08/16/2023	55722-27-5	Tetrachlorodibenzofurans (Totals)	7.35E-06	mg/kg	J	Y	7.35E-06	7.35E-06	9.97E-07
VOC	SFB-23-295642	0	0.5	08/16/2023	630-20-6	Tetrachloroethane[1,1,1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	79-34-5	Tetrachloroethane[1,1,2,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295642	0	0.5	08/16/2023	127-18-4	Tetrachloroethene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295642	0	0.5	08/16/2023	479-45-8	Tetryl	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
INORGANIC	SFB-23-295642	0	0.5	08/16/2023	Tl	Thallium	1.35E-01	mg/kg	U	N	ND	1.35E-01	3.85E-01
VOC	SFB-23-295642	0	0.5	08/16/2023	108-88-3	Toluene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
TPH	SFB-23-295642	0	0.5	08/16/2023	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	1.35E+02	mg/kg		Y	1.35E+02	1.35E+02	3.30E+01
TPH	SFB-23-295642	0	0.5	08/16/2023	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	1.67E+00	mg/kg	U	N	ND	1.67E+00	1.00E+01
PFAS	SFB-23-295642	0	0.5	08/16/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295642	0	0.5	08/16/2023	PFAS-Tot-37a	Total PFAS 37a	0.00E+00	ng/g	U	N	ND	1.59E-04	4.28E-01
PFAS	SFB-23-295642	0	0.5	08/16/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
VOC	SFB-23-295642	0	0.5	08/16/2023	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.65E-03	mg/kg	U	N	ND	1.65E-03	4.96E-03
SVOC	SFB-23-295642	0	0.5	08/16/2023	120-82-1	Trichlorobenzene[1,2,4-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
VOC	SFB-23-295642	0	0.5	08/16/2023	71-55-6	Trichloroethane[1,1,1-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	79-00-5	Trichloroethane[1,1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	79-01-6	Trichloroethene	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	75-69-4	Trichlorofluoromethane	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
SVOC	SFB-23-295642	0	0.5	08/16/2023	95-95-4	Trichlorophenol[2,4,5-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
SVOC	SFB-23-295642	0	0.5	08/16/2023	88-06-2	Trichlorophenol[2,4,6-]	9.99E-02	mg/kg	U	N	ND	9.99E-02	3.33E-01
VOC	SFB-23-295642	0	0.5	08/16/2023	96-18-4	Trichloropropane[1,2,3-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	95-63-6	Trimethylbenzene[1,2,4-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	108-67-8	Trimethylbenzene[1,3,5-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
LCMS/MS HIGH EXPLOSIVES	SFB-23-295642	0	0.5	08/16/2023	99-35-4	Trinitrobenzene[1,3,5-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295642	0	0.5	08/16/2023	118-96-7	Trinitrotoluene[2,4,6-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295642	0	0.5	08/16/2023	78-30-8	Tris (o-cresyl) phosphate	2.87E-01	mg/kg	U	N	ND	2.87E-01	9.57E-01
INORGANIC	SFB-23-295642	0	0.5	08/16/2023	V	Vanadium	9.73E+00	mg/kg		Y	9.73E+00	9.73E+00	4.56E-01
VOC	SFB-23-295642	0	0.5	08/16/2023	75-01-4	Vinyl Chloride	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	95-47-6	Xylene[1,2-]	3.30E-04	mg/kg	U	N	ND	3.30E-04	9.92E-04
VOC	SFB-23-295642	0	0.5	08/16/2023	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.62E-04	mg/kg	U	N	ND	6.62E-04	1.98E-03
INORGANIC	SFB-23-295642	0	0.5	08/16/2023	Zn	Zinc	5.00E+01	mg/kg		Y	5.00E+01	5.00E+01	1.82E+00
PFAS	SFB-23-295643	0	0.5	10/26/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.64E-01	ng/g	U	N	ND	1.64E-04	0.469
PFAS	SFB-23-295643	0	0.5	10/26/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.83E-01	ng/g	U	N	ND	3.83E-04	0.955
PFAS	SFB-23-295643	0	0.5	10/26/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	3.28E-01	ng/g	U	N	ND	3.28E-04	0.955
PFAS	SFB-23-295643	0	0.5	10/26/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	3.98E-01	ng/g	U	N	ND	3.98E-04	0.935
PFAS	SFB-23-295643	0	0.5	10/26/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.34E+00	ng/g	U	N	ND	1.34E-03	3.73
LCMS/MS HIGH EXPLOSIVES	SFB-23-295643	0	0.5	10/26/2023	6629-29-4	2,4-Diamino-6-nitrotoluene	4.88E-01	mg/kg	U	N	ND	4.88E-01	1.95E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295643	0	0.5	10/26/2023	59229-75-3	2,6-Diamino-4-nitrotoluene	6.44E-01	mg/kg	U	N	ND	6.44E-01	1.95E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295643	0	0.5	10/26/2023	618-87-1	3,5-Dinitroaniline	2.93E-01	mg/kg	U	N	ND	2.93E-01	9.76E-01
PFAS	SFB-23-295643	0	0.5	10/26/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.28E-01	ng/g	U	N	ND	3.28E-04	0.995
PFAS	SFB-23-295643	0	0.5	10/26/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.28E-01	ng/g	U	N	ND	3.28E-04	0.995
PFAS	SFB-23-295643	0	0.5	10/26/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.28E-01	ng/g	U	N	ND	3.28E-04	0.995
PFAS	SFB-23-295643	0	0.5	10/26/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.498
PFAS	SFB-23-295643	0	0.5	10/26/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.64E-01	ng/g	U	N	ND	1.64E-04	0.464
SVOC	SFB-23-295643	0	0.5	10/26/2023	83-32-9	Acenaphthene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295643	0	0.5	10/26/2023	208-96-8	Acenaphthylene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
VOC	SFB-23-295643	0	0.5	10/26/2023	67-64-1	Acetone	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295643	0	0.5	10/26/2023	Al	Aluminum	3.01E+03	mg/kg		Y	3.01E+03	3.01E+03	1.76E+01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295643	0	0.5	10/26/2023	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.88E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295643	0	0.5	10/26/2023	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.88E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	62-53-3	Aniline	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	120-12-7	Anthracene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
INORGANIC	SFB-23-295643	0	0.5	10/26/2023	Sb	Antimony	2.90E-01	mg/kg	U	N	ND	2.90E-01	1.76E+00
INORGANIC	SFB-23-295643	0	0.5	10/26/2023	As	Arsenic	1.41E+00	mg/kg		Y	1.41E+00	1.41E+00	8.52E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	103-33-3	Azobenzene	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
INORGANIC	SFB-23-295643	0	0.5	10/26/2023	Ba	Barium	2.43E+03	mg/kg		Y	2.43E+03	2.43E+03	2.20E+00
VOC	SFB-23-295643	0	0.5	10/26/2023	71-43-2	Benzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295643	0	0.5	10/26/2023	56-55-3	Benzo(a)anthracene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295643	0	0.5	10/26/2023	50-32-8	Benzo(a)pyrene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295643	0	0.5	10/26/2023	205-99-2	Benzo(b)fluoranthene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295643	0	0.5	10/26/2023	191-24-2	Benzo(g,h,i)perylene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295643	0	0.5	10/26/2023	207-08-9	Benzo(k)fluoranthene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295643	0	0.5	10/26/2023	65-85-0	Benzoic Acid	1.66E-01	mg/kg	U	N	ND	1.66E-01	6.65E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	100-51-6	Benzyl Alcohol	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
INORGANIC	SFB-23-295643	0	0.5	10/26/2023	Be	Beryllium	5.30E-01	mg/kg		Y	5.30E-01	5.30E-01	8.52E-02
SVOC	SFB-23-295643	0	0.5	10/26/2023	111-91-1	Bis(2-chloroethoxy)methane	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	111-44-4	Bis(2-chloroethyl)ether	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	117-81-7	Bis(2-ethylhexyl)phthalate	2.63E-02	mg/kg	J	Y	2.63E-02	2.63E-02	3.32E-02
VOC	SFB-23-295643	0	0.5	10/26/2023	108-86-1	Bromobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	74-97-5	Bromochloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	75-27-4	Bromodichloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	75-25-2	Bromoform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	74-83-9	Bromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295643	0	0.5	10/26/2023	101-55-3	Bromophenyl-phenylether[4-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
VOC	SFB-23-295643	0	0.5	10/26/2023	78-93-3	Butanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	104-51-8	Butylbenzene[n-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	135-98-8	Butylbenzene[sec-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	98-06-6	Butylbenzene[tert-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295643	0	0.5	10/26/2023	85-68-7	Butylbenzylphthalate	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
INORGANIC	SFB-23-295643	0	0.5	10/26/2023	Cd	Cadmium	8.80E-02	mg/kg	U	N	ND	8.80E-02	4.40E-01
INORGANIC	SFB-23-295643	0	0.5	10/26/2023	Ca	Calcium	9.46E+02	mg/kg		Y	9.46E+02	9.46E+02	2.20E+01
VOC	SFB-23-295643	0	0.5	10/26/2023	75-15-0	Carbon Disulfide	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	56-23-5	Carbon Tetrachloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295643	0	0.5	10/26/2023	59-50-7	Chloro-3-methylphenol[4-]	1.33E-01	mg/kg	U	N	ND	1.33E-01	3.32E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	106-47-8	Chloroaniline[4-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
VOC	SFB-23-295643	0	0.5	10/26/2023	108-90-7	Chlorobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	124-48-1	Chlorodibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	75-00-3	Chloroethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	67-66-3	Chloroform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	74-87-3	Chloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295643	0	0.5	10/26/2023	91-58-7	Chloronaphthalene[2-]	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295643	0	0.5	10/26/2023	95-57-8	Chlorophenol[2-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	7005-72-3	Chlorophenyl-phenyl[4-] Ether	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
VOC	SFB-23-295643	0	0.5	10/26/2023	95-49-8	Chlorotoluene[2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	106-43-4	Chlorotoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295643	0	0.5	10/26/2023	Cr	Chromium	3.85E+00	mg/kg		Y	3.85E+00	3.85E+00	8.80E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	218-01-9	Chrysene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
INORGANIC	SFB-23-295643	0	0.5	10/26/2023	Co	Cobalt	1.35E+00	mg/kg	J	Y	1.35E+00	1.35E+00	2.20E+00
INORGANIC	SFB-23-295643	0	0.5	10/26/2023	Cu	Copper	3.65E+00	mg/kg		Y	3.65E+00	3.65E+00	1.76E+00
SVOC	SFB-23-295643	0	0.5	10/26/2023	53-70-3	Dibenz(a,h)anthracene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295643	0	0.5	10/26/2023	132-64-9	Dibenzofuran	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
VOC	SFB-23-295643	0	0.5	10/26/2023	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.00E-04	mg/kg	U	N	ND	5.00E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	106-93-4	Dibromoethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	74-95-3	Dibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295643	0	0.5	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
VOC	SFB-23-295643	0	0.5	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295643	0	0.5	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
VOC	SFB-23-295643	0	0.5	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295643	0	0.5	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
VOC	SFB-23-295643	0	0.5	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295643	0	0.5	10/26/2023	91-94-1	Dichlorobenzidine[3,3'-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295643	0	0.5	10/26/2023	75-71-8	Dichlorodifluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	75-34-3	Dichloroethane[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	107-06-2	Dichloroethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	75-35-4	Dichloroethene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	156-59-2	Dichloroethene[cis-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	156-60-5	Dichloroethene[trans-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295643	0	0.5	10/26/2023	120-83-2	Dichlorophenol[2,4-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
VOC	SFB-23-295643	0	0.5	10/26/2023	78-87-5	Dichloropropane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	142-28-9	Dichloropropane[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	594-20-7	Dichloropropane[2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	563-58-6	Dichloropropene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	10061-01-5	Dichloropropene[cis-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	10061-02-6	Dichloropropene[trans-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295643	0	0.5	10/26/2023	84-66-2	Diethylphthalate	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295643	0	0.5	10/26/2023	131-11-3	Dimethyl Phthalate	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295643	0	0.5	10/26/2023	105-67-9	Dimethylphenol[2,4-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	84-74-2	Di-n-butylphthalate	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295643	0	0.5	10/26/2023	534-52-1	Dinitro-2-methylphenol[4,6-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295643	0	0.5	10/26/2023	99-65-0	Dinitrobenzene[1,3-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.88E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	51-28-5	Dinitrophenol[2,4-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	6.65E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295643	0	0.5	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.88E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295643	0	0.5	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.88E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	117-84-0	Di-n-octylphthalate	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295643	0	0.5	10/26/2023	122-39-4	Diphenylamine	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
PFAS	SFB-23-295643	0	0.5	10/26/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.93E-01	ng/g	U	N	ND	3.93E-04	0.995
PFAS	SFB-23-295643	0	0.5	10/26/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.74E-01	ng/g	U	N	ND	2.74E-04	0.995
VOC	SFB-23-295643	0	0.5	10/26/2023	100-41-4	Ethylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
PFAS	SFB-23-295643	0	0.5	10/26/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	4.08E-01	ng/g	U	N	ND	4.08E-04	0.995
SVOC	SFB-23-295643	0	0.5	10/26/2023	206-44-0	Fluoranthene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295643	0	0.5	10/26/2023	86-73-7	Fluorene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.80E-06	mg/kg	J	Y	1.80E-06	1.80E-06	4.91E-06
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	37871-00-4	Heptachlorodibenzodioxins (Total)	3.66E-06	mg/kg	J	Y	3.66E-06	3.66E-06	4.91E-06
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	9.57E-07	mg/kg	JK	Y	9.57E-07	9.57E-07	4.91E-06
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.91E-07	mg/kg	U	N	ND	1.17E-06	4.91E-06
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	38998-75-3	Heptachlorodibenzofurans (Total)	6.46E-07	mg/kg	J	Y	6.46E-07	6.46E-07	4.91E-06
SVOC	SFB-23-295643	0	0.5	10/26/2023	118-74-1	Hexachlorobenzene	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	87-68-3	Hexachlorobutadiene	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	77-47-4	Hexachlorocyclopentadiene	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.91E-07	mg/kg	U	N	ND	1.22E-06	4.91E-06
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.91E-07	mg/kg	U	N	ND	1.13E-06	4.91E-06
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.91E-07	mg/kg	U	N	ND	1.33E-06	4.91E-06
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	34465-46-8	Hexachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	1.13E-06	4.91E-06
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	4.91E-07	mg/kg	U	N	ND	1.12E-06	4.91E-06
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.91E-07	mg/kg	U	N	ND	9.81E-07	4.91E-06
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.91E-07	mg/kg	U	N	ND	1.37E-06	4.91E-06
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.91E-07	mg/kg	U	N	ND	1.18E-06	4.91E-06
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	55684-94-1	Hexachlorodibenzofurans (Total)	5.78E-07	mg/kg	J	Y	5.78E-07	5.78E-07	4.91E-06
SVOC	SFB-23-295643	0	0.5	10/26/2023	67-72-1	Hexachloroethane	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
PFAS	SFB-23-295643	0	0.5	10/26/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.64E-01	ng/g	U	N	ND	1.64E-04	0.498
VOC	SFB-23-295643	0	0.5	10/26/2023	591-78-6	Hexanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295643	0	0.5	10/26/2023	2691-41-0	HMX	2.59E+00	mg/kg		Y	2.59E+00	2.59E+00	4.88E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	193-39-5	Indeno(1,2,3-cd)pyrene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295643	0	0.5	10/26/2023	74-88-4	Iodomethane	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295643	0	0.5	10/26/2023	Fe	Iron	8.85E+03	mg/kg		Y	8.85E+03	8.85E+03	2.20E+01
SVOC	SFB-23-295643	0	0.5	10/26/2023	78-59-1	Isophorone	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
VOC	SFB-23-295643	0	0.5	10/26/2023	98-82-8	Isopropylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	99-87-6	Isopropyltoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295643	0	0.5	10/26/2023	Pb	Lead	1.37E+01	mg/kg	*	Y	1.37E+01	1.37E+01	1.76E+00
INORGANIC	SFB-23-295643	0	0.5	10/26/2023	Mg	Magnesium	8.70E+02	mg/kg	N	Y	8.70E+02	8.70E+02	2.64E+01
INORGANIC	SFB-23-295643	0	0.5	10/26/2023	Mn	Manganese	2.20E+02	mg/kg	*	Y	2.20E+02	2.20E+02	8.80E-01
INORGANIC	SFB-23-295643	0	0.5	10/26/2023	Hg	Mercury	6.98E-03	mg/kg	U	N	ND	6.98E-03	2.08E-02
PFAS	SFB-23-295643	0	0.5	10/26/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[M	3.88E-01	ng/g	U	N	ND	3.88E-04	0.995
PFAS	SFB-23-295643	0	0.5	10/26/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.28E-01	ng/g	U	N	ND	3.28E-04	0.995
VOC	SFB-23-295643	0	0.5	10/26/2023	108-10-1	Methyl-2-pentanone[4-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	75-09-2	Methylene Chloride	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295643	0	0.5	10/26/2023	91-57-6	Methylnaphthalene[2-]	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
PFAS	SFB-23-295643	0	0.5	10/26/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.33E-01	ng/g	U	N	ND	4.33E-04	0.995
SVOC	SFB-23-295643	0	0.5	10/26/2023	95-48-7	Methylphenol[2-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	65794-96-9	Methylphenol[3-,4-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	91-20-3	Naphthalene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
INORGANIC	SFB-23-295643	0	0.5	10/26/2023	Ni	Nickel	3.67E+00	mg/kg	*	Y	3.67E+00	3.67E+00	3.41E-01
GENERAL CHEMISTRY	SFB-23-295643	0	0.5	10/26/2023	NO3-N	Nitrate as Nitrogen	5.33E+00	mg/kg		Y	5.33E+00	5.33E+00	8.75E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	88-74-4	Nitroaniline[2-]	1.10E-01	mg/kg	U	N	ND	1.10E-01	3.32E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	99-09-2	Nitroaniline[3-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	100-01-6	Nitroaniline[4-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	98-95-3	Nitrobenzene	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295643	0	0.5	10/26/2023	98-95-3	Nitrobenzene	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.88E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	88-75-5	Nitrophenol[2-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	100-02-7	Nitrophenol[4-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	62-75-9	Nitrosodimethylamine[N-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	621-64-7	Nitroso-di-n-propylamine[N-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295643	0	0.5	10/26/2023	88-72-2	Nitrotoluene[2-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.88E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295643	0	0.5	10/26/2023	99-08-1	Nitrotoluene[3-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.88E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295643	0	0.5	10/26/2023	99-99-0	Nitrotoluene[4-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.88E-01
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	8.82E-06	mg/kg	J	Y	8.82E-06	8.82E-06	9.82E-06
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.23E-06	mg/kg	J	Y	1.23E-06	1.23E-06	9.82E-06
SVOC	SFB-23-295643	0	0.5	10/26/2023	108-60-1	Oxybis(1-chloropropane)[2,2'-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.91E-07	mg/kg	U	N	ND	1.28E-06	4.91E-06
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	36088-22-9	Pentachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	1.28E-06	4.91E-06
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	4.91E-07	mg/kg	U	N	ND	1.13E-06	4.91E-06
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.91E-07	mg/kg	U	N	ND	1.27E-06	4.91E-06
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	30402-15-4	Pentachlorodibenzofurans (Totals)	0.00E+00	mg/kg	U	N	ND	1.13E-06	4.91E-06
SVOC	SFB-23-295643	0	0.5	10/26/2023	87-86-5	Pentachlorophenol	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
LCMS/MS	SFB-23-295643	0	0.5	10/26/2023	ClO4	Perchlorate	5.00E-04	mg/kg	U	N	ND	5.00E-04	2.00E-03
PFAS	SFB-23-295643	0	0.5	10/26/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.84E-01	ng/g	U	N	ND	1.84E-04	0.473
PFAS	SFB-23-295643	0	0.5	10/26/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.64E-01	ng/g	U	N	ND	1.64E-04	0.498
PFAS	SFB-23-295643	0	0.5	10/26/2023	375-73-5	Perfluorobutanesulfonic acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.443
PFAS	SFB-23-295643	0	0.5	10/26/2023	375-22-4	Perfluorobutanoic acid	1.99E-01	ng/g	U	N	ND	1.99E-04	0.498
PFAS	SFB-23-295643	0	0.5	10/26/2023	335-77-3	Perfluorodecane sulfonate	1.64E-01	ng/g	U	N	ND	1.64E-04	0.483
PFAS	SFB-23-295643	0	0.5	10/26/2023	335-76-2	Perfluorodecanoic acid	3.68E-01	ng/g	U	N	ND	3.68E-04	0.995
PFAS	SFB-23-295643	0	0.5	10/26/2023	79780-39-5	Perfluorododecanesulfonic acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.482
PFAS	SFB-23-295643	0	0.5	10/26/2023	307-55-1	Perfluorododecanoic acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.498
PFAS	SFB-23-295643	0	0.5	10/26/2023	375-85-9	Perfluoroheptanoic acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.498
PFAS	SFB-23-295643	0	0.5	10/26/2023	355-46-4	Perfluorohexanesulfonic acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.453
PFAS	SFB-23-295643	0	0.5	10/26/2023	307-24-4	Perfluorohexanoic acid	1.99E-01	ng/g	U	N	ND	1.99E-04	0.498
PFAS	SFB-23-295643	0	0.5	10/26/2023	68259-12-1	Perfluorononanesulfonic acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.478

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
PFAS	SFB-23-295643	0	0.5	10/26/2023	375-95-1	Perfluorononanoic acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.498
PFAS	SFB-23-295643	0	0.5	10/26/2023	1763-23-1	Perfluorooctanesulfonic acid	1.99E-01	ng/g	U	N	ND	1.99E-04	0.498
PFAS	SFB-23-295643	0	0.5	10/26/2023	335-67-1	Perfluorooctanoic acid	1.99E-01	ng/g	U	N	ND	1.99E-04	0.498
PFAS	SFB-23-295643	0	0.5	10/26/2023	2706-91-4	Perfluoropentanesulfonic acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.468
PFAS	SFB-23-295643	0	0.5	10/26/2023	2706-90-3	Perfluoropentanoic acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.498
PFAS	SFB-23-295643	0	0.5	10/26/2023	376-06-7	Perfluorotetradecanoic acid	1.99E-01	ng/g	U	N	ND	1.99E-04	0.498
PFAS	SFB-23-295643	0	0.5	10/26/2023	72629-94-8	Perfluorotridecanoic acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.498
PFAS	SFB-23-295643	0	0.5	10/26/2023	2058-94-8	Perfluoroundecanoic acid	1.64E-01	ng/g	U	N	ND	1.64E-04	0.498
LCMS/MS HIGH EXPLOSIVES	SFB-23-295643	0	0.5	10/26/2023	78-11-5	PETN	2.44E-01	mg/kg	U	N	ND	2.44E-01	9.76E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	85-01-8	Phenanthrene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295643	0	0.5	10/26/2023	108-95-2	Phenol	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
INORGANIC	SFB-23-295643	0	0.5	10/26/2023	K	Potassium	6.36E+02	mg/kg	N	Y	6.36E+02	6.36E+02	2.20E+01
VOC	SFB-23-295643	0	0.5	10/26/2023	103-65-1	Propylbenzene[1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295643	0	0.5	10/26/2023	129-00-0	Pyrene	9.97E-03	mg/kg	U	N	ND	9.97E-03	3.32E-02
SVOC	SFB-23-295643	0	0.5	10/26/2023	110-86-1	Pyridine	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295643	0	0.5	10/26/2023	121-82-4	RDX	1.50E+01	mg/kg		Y	1.50E+01	1.50E+01	4.88E-01
INORGANIC	SFB-23-295643	0	0.5	10/26/2023	Se	Selenium	6.99E-01	mg/kg	J	Y	6.99E-01	6.99E-01	8.52E-01
INORGANIC	SFB-23-295643	0	0.5	10/26/2023	Ag	Silver	1.22E+00	mg/kg		Y	1.22E+00	1.22E+00	4.40E-01
INORGANIC	SFB-23-295643	0	0.5	10/26/2023	Na	Sodium	1.49E+02	mg/kg	N	Y	1.49E+02	1.49E+02	2.20E+01
VOC	SFB-23-295643	0	0.5	10/26/2023	100-42-5	Styrene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295643	0	0.5	10/26/2023	3058-38-6	TATB	4.56E+00	mg/kg	J	Y	4.56E+00	4.56E+00	9.76E-01
GENERAL CHEMISTRY	SFB-23-295643	0	0.5	10/26/2023	TEMP	Temperature	3.40E+00	deg C		Y		0.00E+00	
GENERAL CHEMISTRY	SFB-23-295643	0	0.5	10/26/2023	TEMP	Temperature	5.00E+00	deg C		Y		0.00E+00	
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	1.44E-07	mg/kg	U	N	ND	2.62E-07	9.82E-07
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	41903-57-5	Tetrachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	2.62E-07	9.82E-07
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	2.14E-07	mg/kg	U	N	ND	3.94E-07	9.82E-07
HRGC/HRMS	SFB-23-295643	0	0.5	10/26/2023	55722-27-5	Tetrachlorodibenzofurans (Totals)	0.00E+00	mg/kg	U	N	ND	3.94E-07	9.82E-07
VOC	SFB-23-295643	0	0.5	10/26/2023	630-20-6	Tetrachloroethane[1,1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	79-34-5	Tetrachloroethane[1,1,2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	127-18-4	Tetrachloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295643	0	0.5	10/26/2023	479-45-8	Tetryl	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.88E-01
INORGANIC	SFB-23-295643	0	0.5	10/26/2023	Tl	Thallium	1.58E-01	mg/kg	J	Y	1.58E-01	1.58E-01	3.41E-01
VOC	SFB-23-295643	0	0.5	10/26/2023	108-88-3	Toluene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
TPH	SFB-23-295643	0	0.5	10/26/2023	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	3.64E+00	mg/kg	J	Y	3.64E+00	3.64E+00	6.53E+00
TPH	SFB-23-295643	0	0.5	10/26/2023	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	1.67E+00	mg/kg	U	N	ND	1.67E+00	1.00E+01
PFAS	SFB-23-295643	0	0.5	10/26/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295643	0	0.5	10/26/2023	PFAS-Tot-37a	Total PFAS 37a	0.00E+00	ng/g	U	N	ND	1.64E-04	4.43E-01
PFAS	SFB-23-295643	0	0.5	10/26/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
VOC	SFB-23-295643	0	0.5	10/26/2023	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295643	0	0.5	10/26/2023	120-82-1	Trichlorobenzene[1,2,4-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
VOC	SFB-23-295643	0	0.5	10/26/2023	71-55-6	Trichloroethane[1,1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	79-00-5	Trichloroethane[1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	79-01-6	Trichloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	75-69-4	Trichlorofluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295643	0	0.5	10/26/2023	95-95-4	Trichlorophenol[2,4,5-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
SVOC	SFB-23-295643	0	0.5	10/26/2023	88-06-2	Trichlorophenol[2,4,6-]	9.97E-02	mg/kg	U	N	ND	9.97E-02	3.32E-01
VOC	SFB-23-295643	0	0.5	10/26/2023	96-18-4	Trichloropropane[1,2,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	95-63-6	Trimethylbenzene[1,2,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	108-67-8	Trimethylbenzene[1,3,5-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295643	0	0.5	10/26/2023	99-35-4	Trinitrobenzene[1,3,5-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.88E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295643	0	0.5	10/26/2023	118-96-7	Trinitrotoluene[2,4,6-]	1.46E-01	mg/kg	U	N	ND	1.46E-01	4.88E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295643	0	0.5	10/26/2023	78-30-8	Tris (o-cresyl) phosphate	2.93E-01	mg/kg	U	N	ND	2.93E-01	9.76E-01
INORGANIC	SFB-23-295643	0	0.5	10/26/2023	V	Vanadium	7.56E+00	mg/kg		Y	7.56E+00	7.56E+00	4.40E-01
VOC	SFB-23-295643	0	0.5	10/26/2023	75-01-4	Vinyl Chloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295643	0	0.5	10/26/2023	95-47-6	Xylene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295643	0	0.5	10/26/2023	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.67E-04	mg/kg	U	N	ND	6.67E-04	2.00E-03
INORGANIC	SFB-23-295643	0	0.5	10/26/2023	Zn	Zinc	4.75E+01	mg/kg		Y	4.75E+01	4.75E+01	1.76E+00
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.60E-01	ng/g	U	N	ND	1.60E-04	0.457
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.74E-01	ng/g	U	N	ND	3.74E-04	0.932
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	3.20E-01	ng/g	U	N	ND	3.20E-04	0.932
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	3.88E-01	ng/g	U	N	ND	3.88E-04	0.913
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.31E+00	ng/g	U	N	ND	1.31E-03	3.64
LCMS/MS HIGH EXPLOSIVES	SFB-23-295644	0.5	1.25	10/26/2023	6629-29-4	2,4-Diamino-6-nitrotoluene	4.81E-01	mg/kg	U	N	ND	4.81E-01	1.92E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295644	0.5	1.25	10/26/2023	59229-75-3	2,6-Diamino-4-nitrotoluene	6.35E-01	mg/kg	U	N	ND	6.35E-01	1.92E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295644	0.5	1.25	10/26/2023	618-87-1	3,5-Dinitroaniline	2.88E-01	mg/kg	U	N	ND	2.88E-01	9.62E-01
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.20E-01	ng/g	U	N	ND	3.20E-04	0.971
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.20E-01	ng/g	U	N	ND	3.20E-04	0.971
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.20E-01	ng/g	U	N	ND	3.20E-04	0.971
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.60E-01	ng/g	U	N	ND	1.60E-04	0.452
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	83-32-9	Acenaphthene	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	208-96-8	Acenaphthylene	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02
VOC	SFB-23-295644	0.5	1.25	10/26/2023	67-64-1	Acetone	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295644	0.5	1.25	10/26/2023	Al	Aluminum	2.73E+03	mg/kg		Y	2.73E+03	2.73E+03	1.98E+01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295644	0.5	1.25	10/26/2023	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295644	0.5	1.25	10/26/2023	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	62-53-3	Aniline	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	120-12-7	Anthracene	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02
INORGANIC	SFB-23-295644	0.5	1.25	10/26/2023	Sb	Antimony	3.27E-01	mg/kg	U	N	ND	3.27E-01	1.98E+00
INORGANIC	SFB-23-295644	0.5	1.25	10/26/2023	As	Arsenic	1.18E+00	mg/kg		Y	1.18E+00	1.18E+00	9.88E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	103-33-3	Azobenzene	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
INORGANIC	SFB-23-295644	0.5	1.25	10/26/2023	Ba	Barium	1.66E+03	mg/kg		Y	1.66E+03	1.66E+03	2.48E+00
VOC	SFB-23-295644	0.5	1.25	10/26/2023	71-43-2	Benzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	56-55-3	Benzo(a)anthracene	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	50-32-8	Benzo(a)pyrene	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	205-99-2	Benzo(b)fluoranthene	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	191-24-2	Benzo(g,h,i)perylene	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	207-08-9	Benzo(k)fluoranthene	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	65-85-0	Benzoic Acid	2.30E-01	mg/kg	J	Y	2.30E-01	2.30E-01	6.59E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	100-51-6	Benzyl Alcohol	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
INORGANIC	SFB-23-295644	0.5	1.25	10/26/2023	Be	Beryllium	4.69E-01	mg/kg		Y	4.69E-01	4.69E-01	9.88E-02
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	111-91-1	Bis(2-chloroethoxy)methane	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	111-44-4	Bis(2-chloroethyl)ether	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	117-81-7	Bis(2-ethylhexyl)phthalate	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02
VOC	SFB-23-295644	0.5	1.25	10/26/2023	108-86-1	Bromobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	74-97-5	Bromochloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	75-27-4	Bromodichloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	75-25-2	Bromoform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	74-83-9	Bromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	101-55-3	Bromophenyl-phenylether[4-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
VOC	SFB-23-295644	0.5	1.25	10/26/2023	78-93-3	Butanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	104-51-8	Butylbenzene[n-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	135-98-8	Butylbenzene[sec-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	98-06-6	Butylbenzene[tert-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	85-68-7	Butylbenzylphthalate	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02
INORGANIC	SFB-23-295644	0.5	1.25	10/26/2023	Cd	Cadmium	9.90E-02	mg/kg	U	N	ND	9.90E-02	4.95E-01
INORGANIC	SFB-23-295644	0.5	1.25	10/26/2023	Ca	Calcium	6.27E+02	mg/kg		Y	6.27E+02	6.27E+02	2.48E+01
VOC	SFB-23-295644	0.5	1.25	10/26/2023	75-15-0	Carbon Disulfide	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295644	0.5	1.25	10/26/2023	56-23-5	Carbon Tetrachloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	59-50-7	Chloro-3-methylphenol[4-]	1.32E-01	mg/kg	U	N	ND	1.32E-01	3.29E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	106-47-8	Chloroaniline[4-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
VOC	SFB-23-295644	0.5	1.25	10/26/2023	108-90-7	Chlorobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	124-48-1	Chlorodibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	75-00-3	Chloroethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	67-66-3	Chloroform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	74-87-3	Chloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	91-58-7	Chloronaphthalene[2-]	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	95-57-8	Chlorophenol[2-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	7005-72-3	Chlorophenyl-phenyl[4-] Ether	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
VOC	SFB-23-295644	0.5	1.25	10/26/2023	95-49-8	Chlorotoluene[2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	106-43-4	Chlorotoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295644	0.5	1.25	10/26/2023	Cr	Chromium	3.44E+00	mg/kg		Y	3.44E+00	3.44E+00	9.90E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	218-01-9	Chrysene	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02
INORGANIC	SFB-23-295644	0.5	1.25	10/26/2023	Co	Cobalt	7.43E-01	mg/kg	U	N	ND	7.43E-01	2.48E+00
INORGANIC	SFB-23-295644	0.5	1.25	10/26/2023	Cu	Copper	2.57E+00	mg/kg		Y	2.57E+00	2.57E+00	1.98E+00
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	53-70-3	Dibenz(a,h)anthracene	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	132-64-9	Dibenzofuran	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
VOC	SFB-23-295644	0.5	1.25	10/26/2023	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.00E-04	mg/kg	U	N	ND	5.00E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	106-93-4	Dibromoethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	74-95-3	Dibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
VOC	SFB-23-295644	0.5	1.25	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
VOC	SFB-23-295644	0.5	1.25	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
VOC	SFB-23-295644	0.5	1.25	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	91-94-1	Dichlorobenzidine[3,3'-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
VOC	SFB-23-295644	0.5	1.25	10/26/2023	75-71-8	Dichlorodifluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	75-34-3	Dichloroethane[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	107-06-2	Dichloroethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	75-35-4	Dichloroethene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	156-59-2	Dichloroethene[cis-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	156-60-5	Dichloroethene[trans-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	120-83-2	Dichlorophenol[2,4-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
VOC	SFB-23-295644	0.5	1.25	10/26/2023	78-87-5	Dichloropropane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	142-28-9	Dichloropropane[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	594-20-7	Dichloropropane[2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	563-58-6	Dichloropropene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	10061-01-5	Dichloropropene[cis-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	10061-02-6	Dichloropropene[trans-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	84-66-2	Diethylphthalate	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	131-11-3	Dimethyl Phthalate	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	105-67-9	Dimethylphenol[2,4-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	84-74-2	Di-n-butylphthalate	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	534-52-1	Dinitro-2-methylphenol[4,6-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295644	0.5	1.25	10/26/2023	99-65-0	Dinitrobenzene[1,3-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	51-28-5	Dinitrophenol[2,4-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	6.59E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295644	0.5	1.25	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295644	0.5	1.25	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	117-84-0	Di-n-octylphthalate	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	122-39-4	Diphenylamine	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.83E-01	ng/g	U	N	ND	3.83E-04	0.971
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.67E-01	ng/g	U	N	ND	2.67E-04	0.971
VOC	SFB-23-295644	0.5	1.25	10/26/2023	100-41-4	Ethylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	3.98E-01	ng/g	U	N	ND	3.98E-04	0.971
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	206-44-0	Fluoranthene	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	86-73-7	Fluorene	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	4.96E-07	mg/kg	U	N	ND	2.27E-06	4.96E-06
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	37871-00-4	Heptachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	2.27E-06	4.96E-06
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	4.96E-07	mg/kg	U	N	ND	1.22E-06	4.96E-06
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.96E-07	mg/kg	U	N	ND	1.18E-06	4.96E-06
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	38998-75-3	Heptachlorodibenzofurans (Total)	0.00E+00	mg/kg	U	N	ND	1.18E-06	4.96E-06
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	118-74-1	Hexachlorobenzene	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	87-68-3	Hexachlorobutadiene	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	77-47-4	Hexachlorocyclopentadiene	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.96E-07	mg/kg	U	N	ND	1.24E-06	4.96E-06
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.96E-07	mg/kg	U	N	ND	1.14E-06	4.96E-06
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.96E-07	mg/kg	U	N	ND	1.34E-06	4.96E-06
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	34465-46-8	Hexachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	1.14E-06	4.96E-06
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	4.96E-07	mg/kg	U	N	ND	1.13E-06	4.96E-06
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.96E-07	mg/kg	U	N	ND	9.91E-07	4.96E-06
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.96E-07	mg/kg	U	N	ND	1.39E-06	4.96E-06
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.96E-07	mg/kg	U	N	ND	1.20E-06	4.96E-06
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	55684-94-1	Hexachlorodibenzofurans (Total)	0.00E+00	mg/kg	U	N	ND	9.91E-07	4.96E-06
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	67-72-1	Hexachloroethane	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
VOC	SFB-23-295644	0.5	1.25	10/26/2023	591-78-6	Hexanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295644	0.5	1.25	10/26/2023	2691-41-0	HMX	9.72E-01	mg/kg		Y	9.72E-01	9.72E-01	4.81E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	193-39-5	Indeno(1,2,3-cd)pyrene	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02
VOC	SFB-23-295644	0.5	1.25	10/26/2023	74-88-4	Iodomethane	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295644	0.5	1.25	10/26/2023	Fe	Iron	8.28E+03	mg/kg		Y	8.28E+03	8.28E+03	2.48E+01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	78-59-1	Isophorone	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
VOC	SFB-23-295644	0.5	1.25	10/26/2023	98-82-8	Isopropylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	99-87-6	Isopropyltoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295644	0.5	1.25	10/26/2023	Pb	Lead	1.71E+01	mg/kg	*	Y	1.71E+01	1.71E+01	1.98E+00
INORGANIC	SFB-23-295644	0.5	1.25	10/26/2023	Mg	Magnesium	8.33E+02	mg/kg	N	Y	8.33E+02	8.33E+02	2.97E+01
INORGANIC	SFB-23-295644	0.5	1.25	10/26/2023	Mn	Manganese	1.52E+02	mg/kg	*	Y	1.52E+02	1.52E+02	9.90E-01
INORGANIC	SFB-23-295644	0.5	1.25	10/26/2023	Hg	Mercury	7.36E-03	mg/kg	U	N	ND	7.36E-03	2.20E-02
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[N	3.79E-01	ng/g	U	N	ND	3.79E-04	0.971
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.20E-01	ng/g	U	N	ND	3.20E-04	0.971
VOC	SFB-23-295644	0.5	1.25	10/26/2023	108-10-1	Methyl-2-pentanone[4-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	75-09-2	Methylene Chloride	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	91-57-6	Methylnaphthalene[2-]	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.22E-01	ng/g	U	N	ND	4.22E-04	0.971
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	95-48-7	Methylphenol[2-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	65794-96-9	Methylphenol[3-,4-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	91-20-3	Naphthalene	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02
INORGANIC	SFB-23-295644	0.5	1.25	10/26/2023	Ni	Nickel	2.50E+00	mg/kg	*	Y	2.50E+00	2.50E+00	3.95E-01
GENERAL CHEMISTRY	SFB-23-295644	0.5	1.25	10/26/2023	NO3-N	Nitrate as Nitrogen	2.61E+00	mg/kg		Y	2.61E+00	2.61E+00	8.87E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	88-74-4	Nitroaniline[2-]	1.09E-01	mg/kg	U	N	ND	1.09E-01	3.29E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	99-09-2	Nitroaniline[3-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	100-01-6	Nitroaniline[4-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	98-95-3	Nitrobenzene	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295644	0.5	1.25	10/26/2023	98-95-3	Nitrobenzene	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	88-75-5	Nitrophenol[2-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	100-02-7	Nitrophenol[4-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	62-75-9	Nitrosodimethylamine[N-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	621-64-7	Nitroso-di-n-propylamine[N-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295644	0.5	1.25	10/26/2023	88-72-2	Nitrotoluene[2-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295644	0.5	1.25	10/26/2023	99-08-1	Nitrotoluene[3-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295644	0.5	1.25	10/26/2023	99-99-0	Nitrotoluene[4-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	9.93E-07	mg/kg	U	N	ND	3.49E-06	9.93E-06
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	9.93E-07	mg/kg	U	N	ND	4.62E-06	9.93E-06
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	108-60-1	Oxybis(1-chloropropane)[2,2'-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.96E-07	mg/kg	U	N	ND	1.29E-06	4.96E-06
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	36088-22-9	Pentachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	1.29E-06	4.96E-06
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	4.96E-07	mg/kg	U	N	ND	1.14E-06	4.96E-06
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.96E-07	mg/kg	U	N	ND	1.28E-06	4.96E-06
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	30402-15-4	Pentachlorodibenzofurans (Totals)	0.00E+00	mg/kg	U	N	ND	1.14E-06	4.96E-06
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	87-86-5	Pentachlorophenol	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
LCMS/MS	SFB-23-295644	0.5	1.25	10/26/2023	ClO4	Perchlorate	4.85E-04	mg/kg	U	N	ND	4.85E-04	1.94E-03
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.80E-01	ng/g	U	N	ND	1.80E-04	0.461
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	375-73-5	Perfluorobutanesulfonic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.432
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	375-22-4	Perfluorobutanoic acid	1.94E-01	ng/g	U	N	ND	1.94E-04	0.485
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	335-77-3	Perfluorodecane sulfonate	1.60E-01	ng/g	U	N	ND	1.60E-04	0.471
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	335-76-2	Perfluorodecanoic acid	3.59E-01	ng/g	U	N	ND	3.59E-04	0.971
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	79780-39-5	Perfluorododecanesulfonic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.470
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	307-55-1	Perfluorododecanoic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	375-85-9	Perfluoroheptanoic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	355-46-4	Perfluorohexanesulfonic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.442
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	307-24-4	Perfluorohexanoic acid	1.94E-01	ng/g	U	N	ND	1.94E-04	0.485
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	68259-12-1	Perfluorononanesulfonic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.466
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	375-95-1	Perfluorononanoic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	1763-23-1	Perfluorooctanesulfonic acid	1.94E-01	ng/g	U	N	ND	1.94E-04	0.485
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	335-67-1	Perfluorooctanoic acid	1.94E-01	ng/g	U	N	ND	1.94E-04	0.485
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	2706-91-4	Perfluoropentanesulfonic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.456
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	2706-90-3	Perfluoropentanoic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	376-06-7	Perfluorotetradecanoic acid	1.94E-01	ng/g	U	N	ND	1.94E-04	0.485
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	72629-94-8	Perfluorotridecanoic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	2058-94-8	Perfluoroundecanoic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
LCMS/MS HIGH EXPLOSIVES	SFB-23-295644	0.5	1.25	10/26/2023	78-11-5	PETN	2.40E-01	mg/kg	U	N	ND	2.40E-01	9.62E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	85-01-8	Phenanthrene	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	108-95-2	Phenol	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
INORGANIC	SFB-23-295644	0.5	1.25	10/26/2023	K	Potassium	5.97E+02	mg/kg	N	Y	5.97E+02	5.97E+02	2.48E+01
VOC	SFB-23-295644	0.5	1.25	10/26/2023	103-65-1	Propylbenzene[1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	129-00-0	Pyrene	9.88E-03	mg/kg	U	N	ND	9.88E-03	3.29E-02
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	110-86-1	Pyridine	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295644	0.5	1.25	10/26/2023	121-82-4	RDX	6.00E+00	mg/kg		Y	6.00E+00	6.00E+00	4.81E-01
INORGANIC	SFB-23-295644	0.5	1.25	10/26/2023	Se	Selenium	5.98E-01	mg/kg	J	Y	5.98E-01	5.98E-01	9.88E-01
INORGANIC	SFB-23-295644	0.5	1.25	10/26/2023	Ag	Silver	7.29E-01	mg/kg		Y	7.29E-01	7.29E-01	4.95E-01
INORGANIC	SFB-23-295644	0.5	1.25	10/26/2023	Na	Sodium	1.67E+02	mg/kg	N	Y	1.67E+02	1.67E+02	2.48E+01
VOC	SFB-23-295644	0.5	1.25	10/26/2023	100-42-5	Styrene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295644	0.5	1.25	10/26/2023	3058-38-6	TATB	4.56E-01	mg/kg	J	Y	4.56E-01	4.56E-01	9.62E-01
GENERAL CHEMISTRY	SFB-23-295644	0.5	1.25	10/26/2023	TEMP	Temperature	3.40E+00	deg C		Y		0.00E+00	
GENERAL CHEMISTRY	SFB-23-295644	0.5	1.25	10/26/2023	TEMP	Temperature	5.00E+00	deg C		Y		0.00E+00	
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	1.80E-07	mg/kg	U	N	ND	2.64E-07	9.93E-07
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	41903-57-5	Tetrachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	2.64E-07	9.93E-07

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	1.69E-07	mg/kg	U	N	ND	3.98E-07	9.93E-07
HRGC/HRMS	SFB-23-295644	0.5	1.25	10/26/2023	55722-27-5	Tetrachlorodibenzofurans (Totals)	0.00E+00	mg/kg	U	N	ND	3.98E-07	9.93E-07
VOC	SFB-23-295644	0.5	1.25	10/26/2023	630-20-6	Tetrachloroethane[1,1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	79-34-5	Tetrachloroethane[1,1,2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	127-18-4	Tetrachloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295644	0.5	1.25	10/26/2023	479-45-8	Tetryl	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
INORGANIC	SFB-23-295644	0.5	1.25	10/26/2023	Tl	Thallium	2.24E-01	mg/kg	J	Y	2.24E-01	2.24E-01	3.95E-01
VOC	SFB-23-295644	0.5	1.25	10/26/2023	108-88-3	Toluene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
TPH	SFB-23-295644	0.5	1.25	10/26/2023	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	3.48E+00	mg/kg	J	Y	3.48E+00	3.48E+00	6.61E+00
TPH	SFB-23-295644	0.5	1.25	10/26/2023	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	1.67E+00	mg/kg	U	N	ND	1.67E+00	1.00E+01
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	PFAS-Tot-37a	Total PFAS 37a	0.00E+00	ng/g	U	N	ND	1.60E-04	4.32E-01
PFAS	SFB-23-295644	0.5	1.25	10/26/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
VOC	SFB-23-295644	0.5	1.25	10/26/2023	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	120-82-1	Trichlorobenzene[1,2,4-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
VOC	SFB-23-295644	0.5	1.25	10/26/2023	71-55-6	Trichloroethane[1,1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	79-00-5	Trichloroethane[1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	79-01-6	Trichloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	75-69-4	Trichlorofluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	95-95-4	Trichlorophenol[2,4,5-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
SVOC	SFB-23-295644	0.5	1.25	10/26/2023	88-06-2	Trichlorophenol[2,4,6-]	9.88E-02	mg/kg	U	N	ND	9.88E-02	3.29E-01
VOC	SFB-23-295644	0.5	1.25	10/26/2023	96-18-4	Trichloropropane[1,2,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	95-63-6	Trimethylbenzene[1,2,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	108-67-8	Trimethylbenzene[1,3,5-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295644	0.5	1.25	10/26/2023	99-35-4	Trinitrobenzene[1,3,5-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295644	0.5	1.25	10/26/2023	118-96-7	Trinitrotoluene[2,4,6-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295644	0.5	1.25	10/26/2023	78-30-8	Tris (o-cresyl) phosphate	2.88E-01	mg/kg	U	N	ND	2.88E-01	9.62E-01
INORGANIC	SFB-23-295644	0.5	1.25	10/26/2023	V	Vanadium	5.78E+00	mg/kg		Y	5.78E+00	5.78E+00	4.95E-01
VOC	SFB-23-295644	0.5	1.25	10/26/2023	75-01-4	Vinyl Chloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	95-47-6	Xylene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295644	0.5	1.25	10/26/2023	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.67E-04	mg/kg	U	N	ND	6.67E-04	2.00E-03
INORGANIC	SFB-23-295644	0.5	1.25	10/26/2023	Zn	Zinc	4.71E+01	mg/kg		Y	4.71E+01	4.71E+01	1.98E+00
PFAS	SFB-23-295647	0	0.5	10/26/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.59E-01	ng/g	U	N	ND	1.59E-04	0.453
PFAS	SFB-23-295647	0	0.5	10/26/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.70E-01	ng/g	U	N	ND	3.70E-04	0.923
PFAS	SFB-23-295647	0	0.5	10/26/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	3.17E-01	ng/g	U	N	ND	3.17E-04	0.923
PFAS	SFB-23-295647	0	0.5	10/26/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	3.85E-01	ng/g	U	N	ND	3.85E-04	0.904
PFAS	SFB-23-295647	0	0.5	10/26/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.29E+00	ng/g	U	N	ND	1.29E-03	3.61
LCMS/MS HIGH EXPLOSIVES	SFB-23-295647	0	0.5	10/26/2023	6629-29-4	2,4-Diamino-6-nitrotoluene	4.74E-01	mg/kg	U	N	ND	4.74E-01	1.90E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295647	0	0.5	10/26/2023	59229-75-3	2,6-Diamino-4-nitrotoluene	6.26E-01	mg/kg	U	N	ND	6.26E-01	1.90E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295647	0	0.5	10/26/2023	618-87-1	3,5-Dinitroaniline	2.84E-01	mg/kg	U	N	ND	2.84E-01	9.48E-01
PFAS	SFB-23-295647	0	0.5	10/26/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962
PFAS	SFB-23-295647	0	0.5	10/26/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962
PFAS	SFB-23-295647	0	0.5	10/26/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962
PFAS	SFB-23-295647	0	0.5	10/26/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295647	0	0.5	10/26/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.59E-01	ng/g	U	N	ND	1.59E-04	0.448
SVOC	SFB-23-295647	0	0.5	10/26/2023	83-32-9	Acenaphthene	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
SVOC	SFB-23-295647	0	0.5	10/26/2023	208-96-8	Acenaphthylene	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
VOC	SFB-23-295647	0	0.5	10/26/2023	67-64-1	Acetone	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295647	0	0.5	10/26/2023	Al	Aluminum	3.01E+03	mg/kg		Y	3.01E+03	3.01E+03	1.70E+01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295647	0	0.5	10/26/2023	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295647	0	0.5	10/26/2023	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	62-53-3	Aniline	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	120-12-7	Anthracene	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
INORGANIC	SFB-23-295647	0	0.5	10/26/2023	Sb	Antimony	2.81E-01	mg/kg	U	N	ND	2.81E-01	1.70E+00

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
INORGANIC	SFB-23-295647	0	0.5	10/26/2023	As	Arsenic	1.39E+00	mg/kg		Y	1.39E+00	1.39E+00	9.52E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	103-33-3	Azobenzene	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
INORGANIC	SFB-23-295647	0	0.5	10/26/2023	Ba	Barium	2.21E+03	mg/kg		Y	2.21E+03	2.21E+03	2.13E+00
VOC	SFB-23-295647	0	0.5	10/26/2023	71-43-2	Benzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295647	0	0.5	10/26/2023	56-55-3	Benzo(a)anthracene	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
SVOC	SFB-23-295647	0	0.5	10/26/2023	50-32-8	Benzo(a)pyrene	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
SVOC	SFB-23-295647	0	0.5	10/26/2023	205-99-2	Benzo(b)fluoranthene	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
SVOC	SFB-23-295647	0	0.5	10/26/2023	191-24-2	Benzo(g,h,i)perylene	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
SVOC	SFB-23-295647	0	0.5	10/26/2023	207-08-9	Benzo(k)fluoranthene	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
SVOC	SFB-23-295647	0	0.5	10/26/2023	65-85-0	Benzoic Acid	1.65E-01	mg/kg	U	N	ND	1.65E-01	6.59E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	100-51-6	Benzyl Alcohol	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
INORGANIC	SFB-23-295647	0	0.5	10/26/2023	Be	Beryllium	5.53E-01	mg/kg		Y	5.53E-01	5.53E-01	9.52E-02
SVOC	SFB-23-295647	0	0.5	10/26/2023	111-91-1	Bis(2-chloroethoxy)methane	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	111-44-4	Bis(2-chloroethyl)ether	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	117-81-7	Bis(2-ethylhexyl)phthalate	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
VOC	SFB-23-295647	0	0.5	10/26/2023	108-86-1	Bromobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	74-97-5	Bromochloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	75-27-4	Bromodichloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	75-25-2	Bromoform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	74-83-9	Bromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295647	0	0.5	10/26/2023	101-55-3	Bromophenyl-phenylether[4-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
VOC	SFB-23-295647	0	0.5	10/26/2023	78-93-3	Butanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	104-51-8	Butylbenzene[n-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	135-98-8	Butylbenzene[sec-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	98-06-6	Butylbenzene[tert-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295647	0	0.5	10/26/2023	85-68-7	Butylbenzylphthalate	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
INORGANIC	SFB-23-295647	0	0.5	10/26/2023	Cd	Cadmium	1.03E-01	mg/kg	J	Y	1.03E-01	1.03E-01	4.26E-01
INORGANIC	SFB-23-295647	0	0.5	10/26/2023	Ca	Calcium	6.86E+02	mg/kg		Y	6.86E+02	6.86E+02	2.13E+01
VOC	SFB-23-295647	0	0.5	10/26/2023	75-15-0	Carbon Disulfide	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	56-23-5	Carbon Tetrachloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295647	0	0.5	10/26/2023	59-50-7	Chloro-3-methylphenol[4-]	1.32E-01	mg/kg	U	N	ND	1.32E-01	3.30E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	106-47-8	Chloroaniline[4-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
VOC	SFB-23-295647	0	0.5	10/26/2023	108-90-7	Chlorobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	124-48-1	Chlorodibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	75-00-3	Chloroethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	67-66-3	Chloroform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	74-87-3	Chloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295647	0	0.5	10/26/2023	91-58-7	Chloronaphthalene[2-]	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
SVOC	SFB-23-295647	0	0.5	10/26/2023	95-57-8	Chlorophenol[2-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	7005-72-3	Chlorophenyl-phenyl[4-] Ether	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
VOC	SFB-23-295647	0	0.5	10/26/2023	95-49-8	Chlorotoluene[2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	106-43-4	Chlorotoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295647	0	0.5	10/26/2023	Cr	Chromium	4.01E+00	mg/kg		Y	4.01E+00	4.01E+00	8.52E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	218-01-9	Chrysene	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
INORGANIC	SFB-23-295647	0	0.5	10/26/2023	Co	Cobalt	1.44E+00	mg/kg	J	Y	1.44E+00	1.44E+00	2.13E+00
INORGANIC	SFB-23-295647	0	0.5	10/26/2023	Cu	Copper	3.50E+00	mg/kg		Y	3.50E+00	3.50E+00	1.70E+00
SVOC	SFB-23-295647	0	0.5	10/26/2023	53-70-3	Dibenz(a,h)anthracene	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
SVOC	SFB-23-295647	0	0.5	10/26/2023	132-64-9	Dibenzofuran	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
VOC	SFB-23-295647	0	0.5	10/26/2023	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.00E-04	mg/kg	U	N	ND	5.00E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	106-93-4	Dibromoethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	74-95-3	Dibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295647	0	0.5	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
VOC	SFB-23-295647	0	0.5	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295647	0	0.5	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295647	0	0.5	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295647	0	0.5	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
VOC	SFB-23-295647	0	0.5	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295647	0	0.5	10/26/2023	91-94-1	Dichlorobenzidine[3,3'-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
VOC	SFB-23-295647	0	0.5	10/26/2023	75-71-8	Dichlorodifluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	75-34-3	Dichloroethane[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	107-06-2	Dichloroethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	75-35-4	Dichloroethene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	156-59-2	Dichloroethene[cis-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	156-60-5	Dichloroethene[trans-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295647	0	0.5	10/26/2023	120-83-2	Dichlorophenol[2,4-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
VOC	SFB-23-295647	0	0.5	10/26/2023	78-87-5	Dichloropropane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	142-28-9	Dichloropropane[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	594-20-7	Dichloropropane[2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	563-58-6	Dichloropropene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	10061-01-5	Dichloropropene[cis-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	10061-02-6	Dichloropropene[trans-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295647	0	0.5	10/26/2023	84-66-2	Diethylphthalate	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
SVOC	SFB-23-295647	0	0.5	10/26/2023	131-11-3	Dimethyl Phthalate	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
SVOC	SFB-23-295647	0	0.5	10/26/2023	105-67-9	Dimethylphenol[2,4-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	84-74-2	Di-n-butylphthalate	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
SVOC	SFB-23-295647	0	0.5	10/26/2023	534-52-1	Dinitro-2-methylphenol[4,6-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295647	0	0.5	10/26/2023	99-65-0	Dinitrobenzene[1,3-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	51-28-5	Dinitrophenol[2,4-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	6.59E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295647	0	0.5	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295647	0	0.5	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	117-84-0	Di-n-octylphthalate	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
SVOC	SFB-23-295647	0	0.5	10/26/2023	122-39-4	Diphenylamine	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
PFAS	SFB-23-295647	0	0.5	10/26/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.80E-01	ng/g	U	N	ND	3.80E-04	0.962
PFAS	SFB-23-295647	0	0.5	10/26/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.64E-01	ng/g	U	N	ND	2.64E-04	0.962
VOC	SFB-23-295647	0	0.5	10/26/2023	100-41-4	Ethylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
PFAS	SFB-23-295647	0	0.5	10/26/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	3.94E-01	ng/g	U	N	ND	3.94E-04	0.962
SVOC	SFB-23-295647	0	0.5	10/26/2023	206-44-0	Fluoranthene	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
SVOC	SFB-23-295647	0	0.5	10/26/2023	86-73-7	Fluorene	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	6.03E-07	mg/kg	JK	Y	6.03E-07	6.03E-07	4.94E-06
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	37871-00-4	Heptachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	2.26E-06	4.94E-06
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	5.36E-07	mg/kg	J	Y	5.36E-07	5.36E-07	4.94E-06
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.94E-07	mg/kg	U	N	ND	1.17E-06	4.94E-06
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	38998-75-3	Heptachlorodibenzofurans (Total)	5.36E-07	mg/kg	J	Y	5.36E-07	5.36E-07	4.94E-06
SVOC	SFB-23-295647	0	0.5	10/26/2023	118-74-1	Hexachlorobenzene	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	87-68-3	Hexachlorobutadiene	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	77-47-4	Hexachlorocyclopentadiene	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	5.04E-07	mg/kg	U	N	ND	1.23E-06	4.94E-06
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.94E-07	mg/kg	U	N	ND	1.14E-06	4.94E-06
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.94E-07	mg/kg	U	N	ND	1.34E-06	4.94E-06
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	34465-46-8	Hexachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	1.14E-06	4.94E-06
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	4.94E-07	mg/kg	U	N	ND	1.12E-06	4.94E-06
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.94E-07	mg/kg	U	N	ND	9.86E-07	4.94E-06
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.94E-07	mg/kg	U	N	ND	1.38E-06	4.94E-06
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.94E-07	mg/kg	U	N	ND	1.19E-06	4.94E-06
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	55684-94-1	Hexachlorodibenzofurans (Total)	0.00E+00	mg/kg	U	N	ND	9.86E-07	4.94E-06
SVOC	SFB-23-295647	0	0.5	10/26/2023	67-72-1	Hexachloroethane	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
PFAS	SFB-23-295647	0	0.5	10/26/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
VOC	SFB-23-295647	0	0.5	10/26/2023	591-78-6	Hexanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295647	0	0.5	10/26/2023	2691-41-0	HMX	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	193-39-5	Indeno(1,2,3-cd)pyrene	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
VOC	SFB-23-295647	0	0.5	10/26/2023	74-88-4	Iodomethane	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295647	0	0.5	10/26/2023	Fe	Iron	9.40E+03	mg/kg		Y	9.40E+03	9.40E+03	2.13E+01
SVOC	SFB-23-295647	0	0.5	10/26/2023	78-59-1	Isophorone	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
VOC	SFB-23-295647	0	0.5	10/26/2023	98-82-8	Isopropylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	99-87-6	Isopropyltoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295647	0	0.5	10/26/2023	Pb	Lead	1.13E+01	mg/kg	*	Y	1.13E+01	1.13E+01	1.70E+00
INORGANIC	SFB-23-295647	0	0.5	10/26/2023	Mg	Magnesium	8.56E+02	mg/kg	N	Y	8.56E+02	8.56E+02	2.56E+01
INORGANIC	SFB-23-295647	0	0.5	10/26/2023	Mn	Manganese	2.69E+02	mg/kg	*	Y	2.69E+02	2.69E+02	8.52E-01
INORGANIC	SFB-23-295647	0	0.5	10/26/2023	Hg	Mercury	7.64E-03	mg/kg	U	N	ND	7.64E-03	2.28E-02
PFAS	SFB-23-295647	0	0.5	10/26/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[M	3.75E-01	ng/g	U	N	ND	3.75E-04	0.962
PFAS	SFB-23-295647	0	0.5	10/26/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962
VOC	SFB-23-295647	0	0.5	10/26/2023	108-10-1	Methyl-2-pentanone[4-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	75-09-2	Methylene Chloride	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295647	0	0.5	10/26/2023	91-57-6	Methylnaphthalene[2-]	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
PFAS	SFB-23-295647	0	0.5	10/26/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.18E-01	ng/g	U	N	ND	4.18E-04	0.962
SVOC	SFB-23-295647	0	0.5	10/26/2023	95-48-7	Methylphenol[2-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	65794-96-9	Methylphenol[3-,4-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	91-20-3	Naphthalene	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
INORGANIC	SFB-23-295647	0	0.5	10/26/2023	Ni	Nickel	2.83E+00	mg/kg	*	Y	2.83E+00	2.83E+00	3.81E-01
GENERAL CHEMISTRY	SFB-23-295647	0	0.5	10/26/2023	NO3-N	Nitrate as Nitrogen	8.06E-01	mg/kg	J	Y	8.06E-01	8.06E-01	9.32E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	88-74-4	Nitroaniline[2-]	1.09E-01	mg/kg	U	N	ND	1.09E-01	3.30E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	99-09-2	Nitroaniline[3-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	100-01-6	Nitroaniline[4-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	98-95-3	Nitrobenzene	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295647	0	0.5	10/26/2023	98-95-3	Nitrobenzene	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	88-75-5	Nitrophenol[2-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	100-02-7	Nitrophenol[4-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	62-75-9	Nitrosodimethylamine[N-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	621-64-7	Nitroso-di-n-propylamine[N-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295647	0	0.5	10/26/2023	88-72-2	Nitrotoluene[2-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295647	0	0.5	10/26/2023	99-08-1	Nitrotoluene[3-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295647	0	0.5	10/26/2023	99-99-0	Nitrotoluene[4-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3.23E-06	mg/kg	JK	Y	3.23E-06	3.23E-06	9.88E-06
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	9.88E-07	mg/kg	U	N	ND	4.59E-06	9.88E-06
SVOC	SFB-23-295647	0	0.5	10/26/2023	108-60-1	Oxybis(1-chloropropane)[2,2'-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.94E-07	mg/kg	U	N	ND	1.29E-06	4.94E-06
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	36088-22-9	Pentachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	1.29E-06	4.94E-06
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	4.94E-07	mg/kg	U	N	ND	1.14E-06	4.94E-06
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.94E-07	mg/kg	U	N	ND	1.28E-06	4.94E-06
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	30402-15-4	Pentachlorodibenzofurans (Totals)	0.00E+00	mg/kg	U	N	ND	1.14E-06	4.94E-06
SVOC	SFB-23-295647	0	0.5	10/26/2023	87-86-5	Pentachlorophenol	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
LCMS/MS	SFB-23-295647	0	0.5	10/26/2023	ClO4	Perchlorate	4.95E-04	mg/kg	U	N	ND	4.95E-04	1.98E-03
PFAS	SFB-23-295647	0	0.5	10/26/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.78E-01	ng/g	U	N	ND	1.78E-04	0.457
PFAS	SFB-23-295647	0	0.5	10/26/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295647	0	0.5	10/26/2023	375-73-5	Perfluorobutanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.428
PFAS	SFB-23-295647	0	0.5	10/26/2023	375-22-4	Perfluorobutanoic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295647	0	0.5	10/26/2023	335-77-3	Perfluorodecane sulfonate	1.59E-01	ng/g	U	N	ND	1.59E-04	0.466
PFAS	SFB-23-295647	0	0.5	10/26/2023	335-76-2	Perfluorodecanoic acid	3.56E-01	ng/g	U	N	ND	3.56E-04	0.962
PFAS	SFB-23-295647	0	0.5	10/26/2023	79780-39-5	Perfluorododecanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.465
PFAS	SFB-23-295647	0	0.5	10/26/2023	307-55-1	Perfluorododecanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
PFAS	SFB-23-295647	0	0.5	10/26/2023	375-85-9	Perfluoroheptanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295647	0	0.5	10/26/2023	355-46-4	Perfluorohexanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.438
PFAS	SFB-23-295647	0	0.5	10/26/2023	307-24-4	Perfluorohexanoic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295647	0	0.5	10/26/2023	68259-12-1	Perfluorononanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.462
PFAS	SFB-23-295647	0	0.5	10/26/2023	375-95-1	Perfluorononanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295647	0	0.5	10/26/2023	1763-23-1	Perfluorooctanesulfonic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295647	0	0.5	10/26/2023	335-67-1	Perfluorooctanoic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295647	0	0.5	10/26/2023	2706-91-4	Perfluoropentanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.452
PFAS	SFB-23-295647	0	0.5	10/26/2023	2706-90-3	Perfluoropentanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295647	0	0.5	10/26/2023	376-06-7	Perfluorotetradecanoic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295647	0	0.5	10/26/2023	72629-94-8	Perfluorotridecanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295647	0	0.5	10/26/2023	2058-94-8	Perfluoroundecanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
LCMS/MS HIGH EXPLOSIVES	SFB-23-295647	0	0.5	10/26/2023	78-11-5	PETN	2.37E-01	mg/kg	U	N	ND	2.37E-01	9.48E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	85-01-8	Phenanthrene	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
SVOC	SFB-23-295647	0	0.5	10/26/2023	108-95-2	Phenol	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
INORGANIC	SFB-23-295647	0	0.5	10/26/2023	K	Potassium	6.55E+02	mg/kg	N	Y	6.55E+02	6.55E+02	2.13E+01
VOC	SFB-23-295647	0	0.5	10/26/2023	103-65-1	Propylbenzene[1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295647	0	0.5	10/26/2023	129-00-0	Pyrene	9.89E-03	mg/kg	U	N	ND	9.89E-03	3.30E-02
SVOC	SFB-23-295647	0	0.5	10/26/2023	110-86-1	Pyridine	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295647	0	0.5	10/26/2023	121-82-4	RDX	4.06E-01	mg/kg	J	Y	4.06E-01	4.06E-01	4.74E-01
INORGANIC	SFB-23-295647	0	0.5	10/26/2023	Se	Selenium	7.25E-01	mg/kg	J	Y	7.25E-01	7.25E-01	9.52E-01
INORGANIC	SFB-23-295647	0	0.5	10/26/2023	Ag	Silver	8.22E-01	mg/kg		Y	8.22E-01	8.22E-01	4.26E-01
INORGANIC	SFB-23-295647	0	0.5	10/26/2023	Na	Sodium	1.39E+02	mg/kg	N	Y	1.39E+02	1.39E+02	2.13E+01
VOC	SFB-23-295647	0	0.5	10/26/2023	100-42-5	Styrene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295647	0	0.5	10/26/2023	3058-38-6	TATB	3.58E-01	mg/kg	J	Y	3.58E-01	3.58E-01	9.48E-01
GENERAL CHEMISTRY	SFB-23-295647	0	0.5	10/26/2023	TEMP	Temperature	3.40E+00	deg C		Y		0.00E+00	
GENERAL CHEMISTRY	SFB-23-295647	0	0.5	10/26/2023	TEMP	Temperature	5.00E+00	deg C		Y		0.00E+00	
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	2.25E-07	mg/kg	U	N	ND	2.63E-07	9.88E-07
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	41903-57-5	Tetrachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	2.63E-07	9.88E-07
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	2.59E-07	mg/kg	U	N	ND	3.96E-07	9.88E-07
HRGC/HRMS	SFB-23-295647	0	0.5	10/26/2023	55722-27-5	Tetrachlorodibenzofurans (Totals)	0.00E+00	mg/kg	U	N	ND	3.96E-07	9.88E-07
VOC	SFB-23-295647	0	0.5	10/26/2023	630-20-6	Tetrachloroethane[1,1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	79-34-5	Tetrachloroethane[1,1,2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	127-18-4	Tetrachloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295647	0	0.5	10/26/2023	479-45-8	Tetryl	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
INORGANIC	SFB-23-295647	0	0.5	10/26/2023	Tl	Thallium	1.33E-01	mg/kg	U	N	ND	1.33E-01	3.81E-01
VOC	SFB-23-295647	0	0.5	10/26/2023	108-88-3	Toluene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
TPH	SFB-23-295647	0	0.5	10/26/2023	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	4.70E+00	mg/kg	J	Y	4.70E+00	4.70E+00	6.59E+00
TPH	SFB-23-295647	0	0.5	10/26/2023	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	1.67E+00	mg/kg	U	N	ND	1.67E+00	1.00E+01
PFAS	SFB-23-295647	0	0.5	10/26/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295647	0	0.5	10/26/2023	PFAS-Tot-37a	Total PFAS 37a	0.00E+00	ng/g	U	N	ND	1.59E-04	4.28E-01
PFAS	SFB-23-295647	0	0.5	10/26/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
VOC	SFB-23-295647	0	0.5	10/26/2023	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295647	0	0.5	10/26/2023	120-82-1	Trichlorobenzene[1,2,4-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
VOC	SFB-23-295647	0	0.5	10/26/2023	71-55-6	Trichloroethane[1,1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	79-00-5	Trichloroethane[1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	79-01-6	Trichloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	75-69-4	Trichlorofluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295647	0	0.5	10/26/2023	95-95-4	Trichlorophenol[2,4,5-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
SVOC	SFB-23-295647	0	0.5	10/26/2023	88-06-2	Trichlorophenol[2,4,6-]	9.89E-02	mg/kg	U	N	ND	9.89E-02	3.30E-01
VOC	SFB-23-295647	0	0.5	10/26/2023	96-18-4	Trichloropropane[1,2,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	95-63-6	Trimethylbenzene[1,2,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	108-67-8	Trimethylbenzene[1,3,5-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295647	0	0.5	10/26/2023	99-35-4	Trinitrobenzene[1,3,5-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
LCMS/MS HIGH EXPLOSIVES	SFB-23-295647	0	0.5	10/26/2023	118-96-7	Trinitrotoluene[2,4,6-]	1.42E-01	mg/kg	U	N	ND	1.42E-01	4.74E-01
INORGANIC	SFB-23-295647	0	0.5	10/26/2023	V	Vanadium	7.34E+00	mg/kg		Y	7.34E+00	7.34E+00	4.26E-01
VOC	SFB-23-295647	0	0.5	10/26/2023	75-01-4	Vinyl Chloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	95-47-6	Xylene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295647	0	0.5	10/26/2023	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.67E-04	mg/kg	U	N	ND	6.67E-04	2.00E-03
INORGANIC	SFB-23-295647	0	0.5	10/26/2023	Zn	Zinc	4.44E+01	mg/kg		Y	4.44E+01	4.44E+01	1.70E+00
PFAS	SFB-23-295648	0	0.5	10/26/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.63E-01	ng/g	U	N	ND	1.63E-04	0.466
PFAS	SFB-23-295648	0	0.5	10/26/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.81E-01	ng/g	U	N	ND	3.81E-04	0.950
PFAS	SFB-23-295648	0	0.5	10/26/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	3.27E-01	ng/g	U	N	ND	3.27E-04	0.950
PFAS	SFB-23-295648	0	0.5	10/26/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	3.96E-01	ng/g	U	N	ND	3.96E-04	0.931
PFAS	SFB-23-295648	0	0.5	10/26/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.33E+00	ng/g	U	N	ND	1.33E-03	3.71
LCMS/MS HIGH EXPLOSIVES	SFB-23-295648	0	0.5	10/26/2023	6629-29-4	2,4-Diamino-6-nitrotoluene	4.90E-01	mg/kg	U	N	ND	4.90E-01	1.96E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295648	0	0.5	10/26/2023	59229-75-3	2,6-Diamino-4-nitrotoluene	6.47E-01	mg/kg	U	N	ND	6.47E-01	1.96E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295648	0	0.5	10/26/2023	618-87-1	3,5-Dinitroaniline	2.94E-01	mg/kg	U	N	ND	2.94E-01	9.80E-01
PFAS	SFB-23-295648	0	0.5	10/26/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.27E-01	ng/g	U	N	ND	3.27E-04	0.990
PFAS	SFB-23-295648	0	0.5	10/26/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.27E-01	ng/g	U	N	ND	3.27E-04	0.990
PFAS	SFB-23-295648	0	0.5	10/26/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.27E-01	ng/g	U	N	ND	3.27E-04	0.990
PFAS	SFB-23-295648	0	0.5	10/26/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
PFAS	SFB-23-295648	0	0.5	10/26/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.63E-01	ng/g	U	N	ND	1.63E-04	0.461
SVOC	SFB-23-295648	0	0.5	10/26/2023	83-32-9	Acenaphthene	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02
SVOC	SFB-23-295648	0	0.5	10/26/2023	208-96-8	Acenaphthylene	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02
VOC	SFB-23-295648	0	0.5	10/26/2023	67-64-1	Acetone	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295648	0	0.5	10/26/2023	Al	Aluminum	3.06E+03	mg/kg		Y	3.06E+03	3.06E+03	1.72E+01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295648	0	0.5	10/26/2023	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.47E-01	mg/kg	U	N	ND	1.47E-01	4.90E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295648	0	0.5	10/26/2023	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.47E-01	mg/kg	U	N	ND	1.47E-01	4.90E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	62-53-3	Aniline	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	120-12-7	Anthracene	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02
INORGANIC	SFB-23-295648	0	0.5	10/26/2023	Sb	Antimony	2.84E-01	mg/kg	U	N	ND	2.84E-01	1.72E+00
INORGANIC	SFB-23-295648	0	0.5	10/26/2023	As	Arsenic	1.37E+00	mg/kg		Y	1.37E+00	1.37E+00	9.23E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	103-33-3	Azobenzene	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
INORGANIC	SFB-23-295648	0	0.5	10/26/2023	Ba	Barium	9.61E+02	mg/kg		Y	9.61E+02	9.61E+02	4.31E-01
VOC	SFB-23-295648	0	0.5	10/26/2023	71-43-2	Benzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295648	0	0.5	10/26/2023	56-55-3	Benzo(a)anthracene	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02
SVOC	SFB-23-295648	0	0.5	10/26/2023	50-32-8	Benzo(a)pyrene	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02
SVOC	SFB-23-295648	0	0.5	10/26/2023	205-99-2	Benzo(b)fluoranthene	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02
SVOC	SFB-23-295648	0	0.5	10/26/2023	191-24-2	Benzo(g,h,i)perylene	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02
SVOC	SFB-23-295648	0	0.5	10/26/2023	207-08-9	Benzo(k)fluoranthene	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02
SVOC	SFB-23-295648	0	0.5	10/26/2023	65-85-0	Benzoic Acid	2.30E-01	mg/kg	J	Y	2.30E-01	2.30E-01	6.56E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	100-51-6	Benzyl Alcohol	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
INORGANIC	SFB-23-295648	0	0.5	10/26/2023	Be	Beryllium	6.83E-01	mg/kg		Y	6.83E-01	6.83E-01	9.23E-02
SVOC	SFB-23-295648	0	0.5	10/26/2023	111-91-1	Bis(2-chloroethoxy)methane	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	111-44-4	Bis(2-chloroethyl)ether	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	117-81-7	Bis(2-ethylhexyl)phthalate	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02
VOC	SFB-23-295648	0	0.5	10/26/2023	108-86-1	Bromobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	74-97-5	Bromochloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	75-27-4	Bromodichloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	75-25-2	Bromoform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	74-83-9	Bromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295648	0	0.5	10/26/2023	101-55-3	Bromophenyl-phenylether[4-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
VOC	SFB-23-295648	0	0.5	10/26/2023	78-93-3	Butanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	104-51-8	Butylbenzene[n-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	135-98-8	Butylbenzene[sec-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	98-06-6	Butylbenzene[tert-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295648	0	0.5	10/26/2023	85-68-7	Butylbenzylphthalate	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
INORGANIC	SFB-23-295648	0	0.5	10/26/2023	Cd	Cadmium	8.62E-02	mg/kg	U	N	ND	8.62E-02	4.31E-01
INORGANIC	SFB-23-295648	0	0.5	10/26/2023	Ca	Calcium	1.05E+03	mg/kg		Y	1.05E+03	1.05E+03	2.16E+01
VOC	SFB-23-295648	0	0.5	10/26/2023	75-15-0	Carbon Disulfide	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	56-23-5	Carbon Tetrachloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295648	0	0.5	10/26/2023	59-50-7	Chloro-3-methylphenol[4-]	1.31E-01	mg/kg	U	N	ND	1.31E-01	3.28E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	106-47-8	Chloroaniline[4-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
VOC	SFB-23-295648	0	0.5	10/26/2023	108-90-7	Chlorobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	124-48-1	Chlorodibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	75-00-3	Chloroethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	67-66-3	Chloroform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	74-87-3	Chloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295648	0	0.5	10/26/2023	91-58-7	Chloronaphthalene[2-]	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02
SVOC	SFB-23-295648	0	0.5	10/26/2023	95-57-8	Chlorophenol[2-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	7005-72-3	Chlorophenyl-phenyl[4-] Ether	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
VOC	SFB-23-295648	0	0.5	10/26/2023	95-49-8	Chlorotoluene[2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	106-43-4	Chlorotoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295648	0	0.5	10/26/2023	Cr	Chromium	3.87E+00	mg/kg		Y	3.87E+00	3.87E+00	8.62E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	218-01-9	Chrysene	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02
INORGANIC	SFB-23-295648	0	0.5	10/26/2023	Co	Cobalt	1.49E+00	mg/kg		Y	1.49E+00	1.49E+00	4.31E-01
INORGANIC	SFB-23-295648	0	0.5	10/26/2023	Cu	Copper	3.96E+00	mg/kg		Y	3.96E+00	3.96E+00	1.72E+00
SVOC	SFB-23-295648	0	0.5	10/26/2023	53-70-3	Dibenz(a,h)anthracene	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02
SVOC	SFB-23-295648	0	0.5	10/26/2023	132-64-9	Dibenzofuran	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
VOC	SFB-23-295648	0	0.5	10/26/2023	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.00E-04	mg/kg	U	N	ND	5.00E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	106-93-4	Dibromoethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	74-95-3	Dibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295648	0	0.5	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
VOC	SFB-23-295648	0	0.5	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295648	0	0.5	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
VOC	SFB-23-295648	0	0.5	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295648	0	0.5	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
VOC	SFB-23-295648	0	0.5	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295648	0	0.5	10/26/2023	91-94-1	Dichlorobenzidine[3,3'-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
VOC	SFB-23-295648	0	0.5	10/26/2023	75-71-8	Dichlorodifluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	75-34-3	Dichloroethane[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	107-06-2	Dichloroethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	75-35-4	Dichloroethene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	156-59-2	Dichloroethene[cis-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	156-60-5	Dichloroethene[trans-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295648	0	0.5	10/26/2023	120-83-2	Dichlorophenol[2,4-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
VOC	SFB-23-295648	0	0.5	10/26/2023	78-87-5	Dichloropropane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	142-28-9	Dichloropropane[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	594-20-7	Dichloropropane[2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	563-58-6	Dichloropropene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	10061-01-5	Dichloropropene[cis-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	10061-02-6	Dichloropropene[trans-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295648	0	0.5	10/26/2023	84-66-2	Diethylphthalate	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02
SVOC	SFB-23-295648	0	0.5	10/26/2023	131-11-3	Dimethyl Phthalate	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02
SVOC	SFB-23-295648	0	0.5	10/26/2023	105-67-9	Dimethylphenol[2,4-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	84-74-2	Di-n-butylphthalate	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02
SVOC	SFB-23-295648	0	0.5	10/26/2023	534-52-1	Dinitro-2-methylphenol[4,6-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295648	0	0.5	10/26/2023	99-65-0	Dinitrobenzene[1,3-]	1.47E-01	mg/kg	U	N	ND	1.47E-01	4.90E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	51-28-5	Dinitrophenol[2,4-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	6.56E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295648	0	0.5	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	1.47E-01	mg/kg	U	N	ND	1.47E-01	4.90E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295648	0	0.5	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295648	0	0.5	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	1.47E-01	mg/kg	U	N	ND	1.47E-01	4.90E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	117-84-0	Di-n-octylphthalate	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02
SVOC	SFB-23-295648	0	0.5	10/26/2023	122-39-4	Diphenylamine	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
PFAS	SFB-23-295648	0	0.5	10/26/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.91E-01	ng/g	U	N	ND	3.91E-04	0.990
PFAS	SFB-23-295648	0	0.5	10/26/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.72E-01	ng/g	U	N	ND	2.72E-04	0.990
VOC	SFB-23-295648	0	0.5	10/26/2023	100-41-4	Ethylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
PFAS	SFB-23-295648	0	0.5	10/26/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	4.06E-01	ng/g	U	N	ND	4.06E-04	0.990
SVOC	SFB-23-295648	0	0.5	10/26/2023	206-44-0	Fluoranthene	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02
SVOC	SFB-23-295648	0	0.5	10/26/2023	86-73-7	Fluorene	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	3.76E-05	mg/kg		Y	3.76E-05	3.76E-05	4.79E-06
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	37871-00-4	Heptachlorodibenzodioxins (Total)	5.70E-05	mg/kg		Y	5.70E-05	5.70E-05	4.79E-06
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	1.26E-05	mg/kg		Y	1.26E-05	1.26E-05	4.79E-06
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.71E-06	mg/kg	JK	Y	1.71E-06	1.71E-06	4.79E-06
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	38998-75-3	Heptachlorodibenzofurans (Total)	6.96E-05	mg/kg	J	Y	6.96E-05	6.96E-05	4.79E-06
SVOC	SFB-23-295648	0	0.5	10/26/2023	118-74-1	Hexachlorobenzene	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	87-68-3	Hexachlorobutadiene	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	77-47-4	Hexachlorocyclopentadiene	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	7.24E-07	mg/kg	JK	Y	7.24E-07	7.24E-07	4.79E-06
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	1.00E-06	mg/kg	JK	Y	1.00E-06	1.00E-06	4.79E-06
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	7.63E-07	mg/kg	J	Y	7.63E-07	7.63E-07	4.79E-06
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	34465-46-8	Hexachlorodibenzodioxins (Total)	2.73E-06	mg/kg	J	Y	2.73E-06	2.73E-06	4.79E-06
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	6.19E-07	mg/kg	U	N	ND	1.09E-06	4.79E-06
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	5.21E-07	mg/kg	U	N	ND	9.57E-07	4.79E-06
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	6.84E-07	mg/kg	U	N	ND	1.34E-06	4.79E-06
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	5.63E-07	mg/kg	U	N	ND	1.16E-06	4.79E-06
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	55684-94-1	Hexachlorodibenzofurans (Total)	5.91E-06	mg/kg		Y	5.91E-06	5.91E-06	4.79E-06
SVOC	SFB-23-295648	0	0.5	10/26/2023	67-72-1	Hexachloroethane	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
PFAS	SFB-23-295648	0	0.5	10/26/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
VOC	SFB-23-295648	0	0.5	10/26/2023	591-78-6	Hexanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295648	0	0.5	10/26/2023	2691-41-0	HMX	1.47E-01	mg/kg	U	N	ND	1.47E-01	4.90E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	193-39-5	Indeno(1,2,3-cd)pyrene	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02
VOC	SFB-23-295648	0	0.5	10/26/2023	74-88-4	Iodomethane	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295648	0	0.5	10/26/2023	Fe	Iron	9.86E+03	mg/kg		Y	9.86E+03	9.86E+03	2.16E+01
SVOC	SFB-23-295648	0	0.5	10/26/2023	78-59-1	Isophorone	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
VOC	SFB-23-295648	0	0.5	10/26/2023	98-82-8	Isopropylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	99-87-6	Isopropyltoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295648	0	0.5	10/26/2023	Pb	Lead	1.10E+01	mg/kg	*	Y	1.10E+01	1.10E+01	1.72E+00
INORGANIC	SFB-23-295648	0	0.5	10/26/2023	Mg	Magnesium	8.92E+02	mg/kg	N	Y	8.92E+02	8.92E+02	2.59E+01
INORGANIC	SFB-23-295648	0	0.5	10/26/2023	Mn	Manganese	2.86E+02	mg/kg	*	Y	2.86E+02	2.86E+02	8.62E-01
INORGANIC	SFB-23-295648	0	0.5	10/26/2023	Hg	Mercury	7.03E-03	mg/kg	U	N	ND	7.03E-03	2.10E-02
PFAS	SFB-23-295648	0	0.5	10/26/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[N	3.86E-01	ng/g	U	N	ND	3.86E-04	0.990
PFAS	SFB-23-295648	0	0.5	10/26/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.27E-01	ng/g	U	N	ND	3.27E-04	0.990
VOC	SFB-23-295648	0	0.5	10/26/2023	108-10-1	Methyl-2-pentanone[4-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	75-09-2	Methylene Chloride	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295648	0	0.5	10/26/2023	91-57-6	Methylnaphthalene[2-]	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02
PFAS	SFB-23-295648	0	0.5	10/26/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.31E-01	ng/g	U	N	ND	4.31E-04	0.990
SVOC	SFB-23-295648	0	0.5	10/26/2023	95-48-7	Methylphenol[2-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	65794-96-9	Methylphenol[3-,4-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	91-20-3	Naphthalene	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02
INORGANIC	SFB-23-295648	0	0.5	10/26/2023	Ni	Nickel	4.39E+00	mg/kg	*	Y	4.39E+00	4.39E+00	3.69E-01
GENERAL CHEMISTRY	SFB-23-295648	0	0.5	10/26/2023	NO3-N	Nitrate as Nitrogen	7.30E-01	mg/kg	J	Y	7.30E-01	7.30E-01	8.81E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	88-74-4	Nitroaniline[2-]	1.08E-01	mg/kg	U	N	ND	1.08E-01	3.28E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	99-09-2	Nitroaniline[3-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295648	0	0.5	10/26/2023	100-01-6	Nitroaniline[4-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	98-95-3	Nitrobenzene	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295648	0	0.5	10/26/2023	98-95-3	Nitrobenzene	1.47E-01	mg/kg	U	N	ND	1.47E-01	4.90E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	88-75-5	Nitrophenol[2-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	100-02-7	Nitrophenol[4-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	62-75-9	Nitrosodimethylamine[N-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	621-64-7	Nitroso-di-n-propylamine[N-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295648	0	0.5	10/26/2023	88-72-2	Nitrotoluene[2-]	1.47E-01	mg/kg	U	N	ND	1.47E-01	4.90E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295648	0	0.5	10/26/2023	99-08-1	Nitrotoluene[3-]	1.47E-01	mg/kg	U	N	ND	1.47E-01	4.90E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295648	0	0.5	10/26/2023	99-99-0	Nitrotoluene[4-]	1.47E-01	mg/kg	U	N	ND	1.47E-01	4.90E-01
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	4.20E-04	mg/kg		Y	4.20E-04	4.20E-04	9.58E-06
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.12E-04	mg/kg		Y	1.12E-04	1.12E-04	9.58E-06
SVOC	SFB-23-295648	0	0.5	10/26/2023	108-60-1	Oxybis(1-chloropropane)[2,2'-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.79E-07	mg/kg	U	N	ND	1.25E-06	4.79E-06
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	36088-22-9	Pentachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	1.25E-06	4.79E-06
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	4.79E-07	mg/kg	U	N	ND	1.10E-06	4.79E-06
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.79E-07	mg/kg	U	N	ND	1.24E-06	4.79E-06
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	30402-15-4	Pentachlorodibenzofurans (Totals)	0.00E+00	mg/kg	U	N	ND	1.10E-06	4.79E-06
SVOC	SFB-23-295648	0	0.5	10/26/2023	87-86-5	Pentachlorophenol	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
LCMS/MS	SFB-23-295648	0	0.5	10/26/2023	ClO4	Perchlorate	4.88E-04	mg/kg	U	N	ND	4.88E-04	1.95E-03
PFAS	SFB-23-295648	0	0.5	10/26/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.83E-01	ng/g	U	N	ND	1.83E-04	0.470
PFAS	SFB-23-295648	0	0.5	10/26/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
PFAS	SFB-23-295648	0	0.5	10/26/2023	375-73-5	Perfluorobutanesulfonic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.441
PFAS	SFB-23-295648	0	0.5	10/26/2023	375-22-4	Perfluorobutanoic acid	1.98E-01	ng/g	U	N	ND	1.98E-04	0.495
PFAS	SFB-23-295648	0	0.5	10/26/2023	335-77-3	Perfluorodecane sulfonate	1.63E-01	ng/g	U	N	ND	1.63E-04	0.480
PFAS	SFB-23-295648	0	0.5	10/26/2023	335-76-2	Perfluorodecanoic acid	3.66E-01	ng/g	U	N	ND	3.66E-04	0.990
PFAS	SFB-23-295648	0	0.5	10/26/2023	79780-39-5	Perfluorododecanesulfonic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.479
PFAS	SFB-23-295648	0	0.5	10/26/2023	307-55-1	Perfluorododecanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
PFAS	SFB-23-295648	0	0.5	10/26/2023	375-85-9	Perfluoroheptanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
PFAS	SFB-23-295648	0	0.5	10/26/2023	355-46-4	Perfluorohexanesulfonic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.450
PFAS	SFB-23-295648	0	0.5	10/26/2023	307-24-4	Perfluorohexanoic acid	1.98E-01	ng/g	U	N	ND	1.98E-04	0.495
PFAS	SFB-23-295648	0	0.5	10/26/2023	68259-12-1	Perfluorononanesulfonic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.475
PFAS	SFB-23-295648	0	0.5	10/26/2023	375-95-1	Perfluorononanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
PFAS	SFB-23-295648	0	0.5	10/26/2023	1763-23-1	Perfluorooctanesulfonic acid	1.98E-01	ng/g	U	N	ND	1.98E-04	0.495
PFAS	SFB-23-295648	0	0.5	10/26/2023	335-67-1	Perfluorooctanoic acid	8.96E-01	ng/g		Y	8.96E-04	8.96E-04	0.495
PFAS	SFB-23-295648	0	0.5	10/26/2023	2706-91-4	Perfluoropentanesulfonic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.465
PFAS	SFB-23-295648	0	0.5	10/26/2023	2706-90-3	Perfluoropentanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
PFAS	SFB-23-295648	0	0.5	10/26/2023	376-06-7	Perfluorotetradecanoic acid	1.98E-01	ng/g	U	N	ND	1.98E-04	0.495
PFAS	SFB-23-295648	0	0.5	10/26/2023	72629-94-8	Perfluorotridecanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
PFAS	SFB-23-295648	0	0.5	10/26/2023	2058-94-8	Perfluoroundecanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
LCMS/MS HIGH EXPLOSIVES	SFB-23-295648	0	0.5	10/26/2023	78-11-5	PETN	2.45E-01	mg/kg	U	N	ND	2.45E-01	9.80E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	85-01-8	Phenanthrene	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02
SVOC	SFB-23-295648	0	0.5	10/26/2023	108-95-2	Phenol	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
INORGANIC	SFB-23-295648	0	0.5	10/26/2023	K	Potassium	7.73E+02	mg/kg	N	Y	7.73E+02	7.73E+02	2.16E+01
VOC	SFB-23-295648	0	0.5	10/26/2023	103-65-1	Propylbenzene[1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295648	0	0.5	10/26/2023	129-00-0	Pyrene	9.84E-03	mg/kg	U	N	ND	9.84E-03	3.28E-02
SVOC	SFB-23-295648	0	0.5	10/26/2023	110-86-1	Pyridine	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295648	0	0.5	10/26/2023	121-82-4	RDX	2.23E-01	mg/kg	J	Y	2.23E-01	2.23E-01	4.90E-01
INORGANIC	SFB-23-295648	0	0.5	10/26/2023	Se	Selenium	8.14E-01	mg/kg	J	Y	8.14E-01	8.14E-01	9.23E-01
INORGANIC	SFB-23-295648	0	0.5	10/26/2023	Ag	Silver	7.85E-01	mg/kg		Y	7.85E-01	7.85E-01	4.31E-01
INORGANIC	SFB-23-295648	0	0.5	10/26/2023	Na	Sodium	1.30E+02	mg/kg	N	Y	1.30E+02	1.30E+02	2.16E+01
VOC	SFB-23-295648	0	0.5	10/26/2023	100-42-5	Styrene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295648	0	0.5	10/26/2023	3058-38-6	TATB	7.05E-01	mg/kg	J	Y	7.05E-01	7.05E-01	9.80E-01
GENERAL CHEMISTRY	SFB-23-295648	0	0.5	10/26/2023	TEMP	Temperature	3.40E+00	deg C		Y		0.00E+00	

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
GENERAL CHEMISTRY	SFB-23-295648	0	0.5	10/26/2023	TEMP	Temperature	5.00E+00	deg C		Y		0.00E+00	
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	1.80E-07	mg/kg	U	N	ND	2.55E-07	9.58E-07
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	41903-57-5	Tetrachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	2.55E-07	9.58E-07
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	1.75E-07	mg/kg	U	N	ND	3.84E-07	9.58E-07
HRGC/HRMS	SFB-23-295648	0	0.5	10/26/2023	55722-27-5	Tetrachlorodibenzofurans (Totals)	0.00E+00	mg/kg	U	N	ND	3.84E-07	9.58E-07
VOC	SFB-23-295648	0	0.5	10/26/2023	630-20-6	Tetrachloroethane[1,1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	79-34-5	Tetrachloroethane[1,1,2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	127-18-4	Tetrachloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295648	0	0.5	10/26/2023	479-45-8	Tetryl	1.47E-01	mg/kg	U	N	ND	1.47E-01	4.90E-01
INORGANIC	SFB-23-295648	0	0.5	10/26/2023	Tl	Thallium	1.39E-01	mg/kg	J	Y	1.39E-01	1.39E-01	3.69E-01
VOC	SFB-23-295648	0	0.5	10/26/2023	108-88-3	Toluene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
TPH	SFB-23-295648	0	0.5	10/26/2023	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	3.34E+00	mg/kg	J	Y	3.34E+00	3.34E+00	6.59E+00
TPH	SFB-23-295648	0	0.5	10/26/2023	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	1.67E+00	mg/kg	U	N	ND	1.67E+00	1.00E+01
PFAS	SFB-23-295648	0	0.5	10/26/2023	PFAS-Tot-2a	Total PFAS 2a	8.96E-01	ng/g		Y	8.96E-04	8.96E-04	0
PFAS	SFB-23-295648	0	0.5	10/26/2023	PFAS-Tot-37a	Total PFAS 37a	8.96E-01	ng/g		Y	8.96E-04	8.96E-04	0.441
PFAS	SFB-23-295648	0	0.5	10/26/2023	PFAS-Tot-3a	Total PFAS 3a	8.96E-01	ng/g		Y	8.96E-04	8.96E-04	0
VOC	SFB-23-295648	0	0.5	10/26/2023	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295648	0	0.5	10/26/2023	120-82-1	Trichlorobenzene[1,2,4-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
VOC	SFB-23-295648	0	0.5	10/26/2023	71-55-6	Trichloroethane[1,1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	79-00-5	Trichloroethane[1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	79-01-6	Trichloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	75-69-4	Trichlorofluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295648	0	0.5	10/26/2023	95-95-4	Trichlorophenol[2,4,5-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
SVOC	SFB-23-295648	0	0.5	10/26/2023	88-06-2	Trichlorophenol[2,4,6-]	9.84E-02	mg/kg	U	N	ND	9.84E-02	3.28E-01
VOC	SFB-23-295648	0	0.5	10/26/2023	96-18-4	Trichloropropane[1,2,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	95-63-6	Trimethylbenzene[1,2,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	108-67-8	Trimethylbenzene[1,3,5-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295648	0	0.5	10/26/2023	99-35-4	Trinitrobenzene[1,3,5-]	1.47E-01	mg/kg	U	N	ND	1.47E-01	4.90E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295648	0	0.5	10/26/2023	118-96-7	Trinitrotoluene[2,4,6-]	1.47E-01	mg/kg	U	N	ND	1.47E-01	4.90E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295648	0	0.5	10/26/2023	78-30-8	Tris (o-cresyl) phosphate	2.94E-01	mg/kg	U	N	ND	2.94E-01	9.80E-01
INORGANIC	SFB-23-295648	0	0.5	10/26/2023	V	Vanadium	7.51E+00	mg/kg		Y	7.51E+00	7.51E+00	4.31E-01
VOC	SFB-23-295648	0	0.5	10/26/2023	75-01-4	Vinyl Chloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	95-47-6	Xylene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295648	0	0.5	10/26/2023	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.67E-04	mg/kg	U	N	ND	6.67E-04	2.00E-03
INORGANIC	SFB-23-295648	0	0.5	10/26/2023	Zn	Zinc	4.70E+01	mg/kg		Y	4.70E+01	4.70E+01	1.72E+00
PFAS	SFB-23-295649	0	0.5	10/26/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.63E-01	ng/g	U	N	ND	1.63E-04	0.466
PFAS	SFB-23-295649	0	0.5	10/26/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.81E-01	ng/g	U	N	ND	3.81E-04	0.950
PFAS	SFB-23-295649	0	0.5	10/26/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	3.27E-01	ng/g	U	N	ND	3.27E-04	0.950
PFAS	SFB-23-295649	0	0.5	10/26/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	3.96E-01	ng/g	U	N	ND	3.96E-04	0.931
PFAS	SFB-23-295649	0	0.5	10/26/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.33E+00	ng/g	U	N	ND	1.33E-03	3.71
LCMS/MS HIGH EXPLOSIVES	SFB-23-295649	0	0.5	10/26/2023	6629-29-4	2,4-Diamino-6-nitrotoluene	4.78E-01	mg/kg	U	N	ND	4.78E-01	1.91E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295649	0	0.5	10/26/2023	59229-75-3	2,6-Diamino-4-nitrotoluene	6.32E-01	mg/kg	U	N	ND	6.32E-01	1.91E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295649	0	0.5	10/26/2023	618-87-1	3,5-Dinitroaniline	2.87E-01	mg/kg	U	N	ND	2.87E-01	9.57E-01
PFAS	SFB-23-295649	0	0.5	10/26/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.27E-01	ng/g	U	N	ND	3.27E-04	0.990
PFAS	SFB-23-295649	0	0.5	10/26/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.27E-01	ng/g	U	N	ND	3.27E-04	0.990
PFAS	SFB-23-295649	0	0.5	10/26/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.27E-01	ng/g	U	N	ND	3.27E-04	0.990
PFAS	SFB-23-295649	0	0.5	10/26/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
PFAS	SFB-23-295649	0	0.5	10/26/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.63E-01	ng/g	U	N	ND	1.63E-04	0.461
SVOC	SFB-23-295649	0	0.5	10/26/2023	83-32-9	Acenaphthene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295649	0	0.5	10/26/2023	208-96-8	Acenaphthylene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
VOC	SFB-23-295649	0	0.5	10/26/2023	67-64-1	Acetone	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295649	0	0.5	10/26/2023	Al	Aluminum	2.63E+03	mg/kg		Y	2.63E+03	2.63E+03	1.73E+01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295649	0	0.5	10/26/2023	19406-51-0	Amino-2,6-dinitrotoluene[4-]	3.86E-01	mg/kg	J	Y	3.86E-01	3.86E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295649	0	0.5	10/26/2023	35572-78-2	Amino-4,6-dinitrotoluene[2-]	2.74E-01	mg/kg	J	Y	2.74E-01	2.74E-01	4.78E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295649	0	0.5	10/26/2023	62-53-3	Aniline	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	120-12-7	Anthracene	9.35E-02	mg/kg		Y	9.35E-02	9.35E-02	3.29E-02
INORGANIC	SFB-23-295649	0	0.5	10/26/2023	Sb	Antimony	2.85E-01	mg/kg	U	N	ND	2.85E-01	1.73E+00
INORGANIC	SFB-23-295649	0	0.5	10/26/2023	As	Arsenic	1.07E+00	mg/kg		Y	1.07E+00	1.07E+00	8.85E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	103-33-3	Azobenzene	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
INORGANIC	SFB-23-295649	0	0.5	10/26/2023	Ba	Barium	1.66E+03	mg/kg		Y	1.66E+03	1.66E+03	2.16E+00
VOC	SFB-23-295649	0	0.5	10/26/2023	71-43-2	Benzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295649	0	0.5	10/26/2023	56-55-3	Benzo(a)anthracene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295649	0	0.5	10/26/2023	50-32-8	Benzo(a)pyrene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295649	0	0.5	10/26/2023	205-99-2	Benzo(b)fluoranthene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295649	0	0.5	10/26/2023	191-24-2	Benzo(g,h,i)perylene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295649	0	0.5	10/26/2023	207-08-9	Benzo(k)fluoranthene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295649	0	0.5	10/26/2023	65-85-0	Benzoic Acid	1.65E-01	mg/kg	U	N	ND	1.65E-01	6.58E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	100-51-6	Benzyl Alcohol	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
INORGANIC	SFB-23-295649	0	0.5	10/26/2023	Be	Beryllium	5.20E-01	mg/kg		Y	5.20E-01	5.20E-01	8.85E-02
SVOC	SFB-23-295649	0	0.5	10/26/2023	111-91-1	Bis(2-chloroethoxy)methane	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	111-44-4	Bis(2-chloroethyl)ether	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	117-81-7	Bis(2-ethylhexyl)phthalate	5.03E-02	mg/kg		Y	5.03E-02	5.03E-02	3.29E-02
VOC	SFB-23-295649	0	0.5	10/26/2023	108-86-1	Bromobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	74-97-5	Bromochloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	75-27-4	Bromodichloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	75-25-2	Bromoform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	74-83-9	Bromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295649	0	0.5	10/26/2023	101-55-3	Bromophenyl-phenylether[4-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
VOC	SFB-23-295649	0	0.5	10/26/2023	78-93-3	Butanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	104-51-8	Butylbenzene[n-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	135-98-8	Butylbenzene[sec-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	98-06-6	Butylbenzene[tert-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295649	0	0.5	10/26/2023	85-68-7	Butylbenzylphthalate	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
INORGANIC	SFB-23-295649	0	0.5	10/26/2023	Cd	Cadmium	8.64E-02	mg/kg	U	N	ND	8.64E-02	4.32E-01
INORGANIC	SFB-23-295649	0	0.5	10/26/2023	Ca	Calcium	7.12E+02	mg/kg		Y	7.12E+02	7.12E+02	2.16E+01
VOC	SFB-23-295649	0	0.5	10/26/2023	75-15-0	Carbon Disulfide	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	56-23-5	Carbon Tetrachloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295649	0	0.5	10/26/2023	59-50-7	Chloro-3-methylphenol[4-]	1.32E-01	mg/kg	U	N	ND	1.32E-01	3.29E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	106-47-8	Chloroaniline[4-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
VOC	SFB-23-295649	0	0.5	10/26/2023	108-90-7	Chlorobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	124-48-1	Chlorodibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	75-00-3	Chloroethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	67-66-3	Chloroform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	74-87-3	Chloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295649	0	0.5	10/26/2023	91-58-7	Chloronaphthalene[2-]	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295649	0	0.5	10/26/2023	95-57-8	Chlorophenol[2-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	7005-72-3	Chlorophenyl-phenyl[4-] Ether	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
VOC	SFB-23-295649	0	0.5	10/26/2023	95-49-8	Chlorotoluene[2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	106-43-4	Chlorotoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295649	0	0.5	10/26/2023	Cr	Chromium	3.51E+00	mg/kg		Y	3.51E+00	3.51E+00	8.64E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	218-01-9	Chrysene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
INORGANIC	SFB-23-295649	0	0.5	10/26/2023	Co	Cobalt	6.89E-01	mg/kg	J	Y	6.89E-01	6.89E-01	2.16E+00
INORGANIC	SFB-23-295649	0	0.5	10/26/2023	Cu	Copper	2.68E+00	mg/kg		Y	2.68E+00	2.68E+00	1.73E+00
SVOC	SFB-23-295649	0	0.5	10/26/2023	53-70-3	Dibenz(a,h)anthracene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295649	0	0.5	10/26/2023	132-64-9	Dibenzofuran	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
VOC	SFB-23-295649	0	0.5	10/26/2023	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.00E-04	mg/kg	U	N	ND	5.00E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	106-93-4	Dibromoethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	74-95-3	Dibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295649	0	0.5	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
VOC	SFB-23-295649	0	0.5	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295649	0	0.5	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
VOC	SFB-23-295649	0	0.5	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295649	0	0.5	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
VOC	SFB-23-295649	0	0.5	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295649	0	0.5	10/26/2023	91-94-1	Dichlorobenzidine[3,3'-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
VOC	SFB-23-295649	0	0.5	10/26/2023	75-71-8	Dichlorodifluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	75-34-3	Dichloroethane[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	107-06-2	Dichloroethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	75-35-4	Dichloroethene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	156-59-2	Dichloroethene[cis-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	156-60-5	Dichloroethene[trans-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295649	0	0.5	10/26/2023	120-83-2	Dichlorophenol[2,4-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
VOC	SFB-23-295649	0	0.5	10/26/2023	78-87-5	Dichloropropane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	142-28-9	Dichloropropane[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	594-20-7	Dichloropropane[2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	563-58-6	Dichloropropene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	10061-01-5	Dichloropropene[cis-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	10061-02-6	Dichloropropene[trans-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295649	0	0.5	10/26/2023	84-66-2	Diethylphthalate	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295649	0	0.5	10/26/2023	131-11-3	Dimethyl Phthalate	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295649	0	0.5	10/26/2023	105-67-9	Dimethylphenol[2,4-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	84-74-2	Di-n-butylphthalate	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295649	0	0.5	10/26/2023	534-52-1	Dinitro-2-methylphenol[4,6-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295649	0	0.5	10/26/2023	99-65-0	Dinitrobenzene[1,3-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	51-28-5	Dinitrophenol[2,4-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	6.58E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295649	0	0.5	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295649	0	0.5	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	117-84-0	Di-n-octylphthalate	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295649	0	0.5	10/26/2023	122-39-4	Diphenylamine	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
PFAS	SFB-23-295649	0	0.5	10/26/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.91E-01	ng/g	U	N	ND	3.91E-04	0.990
PFAS	SFB-23-295649	0	0.5	10/26/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.72E-01	ng/g	U	N	ND	2.72E-04	0.990
VOC	SFB-23-295649	0	0.5	10/26/2023	100-41-4	Ethylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
PFAS	SFB-23-295649	0	0.5	10/26/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	4.06E-01	ng/g	U	N	ND	4.06E-04	0.990
SVOC	SFB-23-295649	0	0.5	10/26/2023	206-44-0	Fluoranthene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295649	0	0.5	10/26/2023	86-73-7	Fluorene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.40E-06	mg/kg	J	Y	1.40E-06	1.40E-06	4.93E-06
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	37871-00-4	Heptachlorodibenzodioxins (Total)	2.62E-06	mg/kg	J	Y	2.62E-06	2.62E-06	4.93E-06
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	6.35E-07	mg/kg	JK	Y	6.35E-07	6.35E-07	4.93E-06
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.93E-07	mg/kg	U	N	ND	1.17E-06	4.93E-06
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	38998-75-3	Heptachlorodibenzofurans (Total)	0.00E+00	mg/kg	U	N	ND	1.17E-06	4.93E-06
SVOC	SFB-23-295649	0	0.5	10/26/2023	118-74-1	Hexachlorobenzene	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	87-68-3	Hexachlorobutadiene	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	77-47-4	Hexachlorocyclopentadiene	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.93E-07	mg/kg	U	N	ND	1.23E-06	4.93E-06
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.93E-07	mg/kg	U	N	ND	1.14E-06	4.93E-06
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.93E-07	mg/kg	U	N	ND	1.33E-06	4.93E-06
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	34465-46-8	Hexachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	1.14E-06	4.93E-06
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	4.93E-07	mg/kg	U	N	ND	1.12E-06	4.93E-06
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.93E-07	mg/kg	U	N	ND	9.84E-07	4.93E-06
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.93E-07	mg/kg	U	N	ND	1.38E-06	4.93E-06

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.93E-07	mg/kg	U	N	ND	1.19E-06	4.93E-06
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	55684-94-1	Hexachlorodibenzofurans (Total)	0.00E+00	mg/kg	U	N	ND	9.84E-07	4.93E-06
SVOC	SFB-23-295649	0	0.5	10/26/2023	67-72-1	Hexachloroethane	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
PFAS	SFB-23-295649	0	0.5	10/26/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
VOC	SFB-23-295649	0	0.5	10/26/2023	591-78-6	Hexanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295649	0	0.5	10/26/2023	2691-41-0	HMX	2.89E+00	mg/kg		Y	2.89E+00	2.89E+00	4.78E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	193-39-5	Indeno(1,2,3-cd)pyrene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
VOC	SFB-23-295649	0	0.5	10/26/2023	74-88-4	Iodomethane	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295649	0	0.5	10/26/2023	Fe	Iron	8.50E+03	mg/kg		Y	8.50E+03	8.50E+03	2.16E+01
SVOC	SFB-23-295649	0	0.5	10/26/2023	78-59-1	Isophorone	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
VOC	SFB-23-295649	0	0.5	10/26/2023	98-82-8	Isopropylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	99-87-6	Isopropyltoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295649	0	0.5	10/26/2023	Pb	Lead	1.18E+01	mg/kg	*	Y	1.18E+01	1.18E+01	1.73E+00
INORGANIC	SFB-23-295649	0	0.5	10/26/2023	Mg	Magnesium	7.78E+02	mg/kg	N	Y	7.78E+02	7.78E+02	2.59E+01
INORGANIC	SFB-23-295649	0	0.5	10/26/2023	Mn	Manganese	1.89E+02	mg/kg	*	Y	1.89E+02	1.89E+02	8.64E-01
INORGANIC	SFB-23-295649	0	0.5	10/26/2023	Hg	Mercury	6.93E-03	mg/kg	U	N	ND	6.93E-03	2.07E-02
PFAS	SFB-23-295649	0	0.5	10/26/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[M	3.86E-01	ng/g	U	N	ND	3.86E-04	0.990
PFAS	SFB-23-295649	0	0.5	10/26/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.27E-01	ng/g	U	N	ND	3.27E-04	0.990
VOC	SFB-23-295649	0	0.5	10/26/2023	108-10-1	Methyl-2-pentanone[4-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	75-09-2	Methylene Chloride	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295649	0	0.5	10/26/2023	91-57-6	Methylnaphthalene[2-]	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
PFAS	SFB-23-295649	0	0.5	10/26/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.31E-01	ng/g	U	N	ND	4.31E-04	0.990
SVOC	SFB-23-295649	0	0.5	10/26/2023	95-48-7	Methylphenol[2-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	65794-96-9	Methylphenol[3-,4-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	91-20-3	Naphthalene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
INORGANIC	SFB-23-295649	0	0.5	10/26/2023	Ni	Nickel	2.71E+00	mg/kg	*	Y	2.71E+00	2.71E+00	3.54E-01
GENERAL CHEMISTRY	SFB-23-295649	0	0.5	10/26/2023	NO3-N	Nitrate as Nitrogen	2.10E+00	mg/kg		Y	2.10E+00	2.10E+00	8.71E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	88-74-4	Nitroaniline[2-]	1.09E-01	mg/kg	U	N	ND	1.09E-01	3.29E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	99-09-2	Nitroaniline[3-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	100-01-6	Nitroaniline[4-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	98-95-3	Nitrobenzene	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295649	0	0.5	10/26/2023	98-95-3	Nitrobenzene	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	88-75-5	Nitrophenol[2-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	100-02-7	Nitrophenol[4-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	62-75-9	Nitrosodimethylamine[N-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	621-64-7	Nitroso-di-n-propylamine[N-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295649	0	0.5	10/26/2023	88-72-2	Nitrotoluene[2-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295649	0	0.5	10/26/2023	99-08-1	Nitrotoluene[3-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295649	0	0.5	10/26/2023	99-99-0	Nitrotoluene[4-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	6.23E-06	mg/kg	J	Y	6.23E-06	6.23E-06	9.86E-06
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	9.86E-07	mg/kg	U	N	ND	4.58E-06	9.86E-06
SVOC	SFB-23-295649	0	0.5	10/26/2023	108-60-1	Oxybis(1-chloropropane)[2,2'-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.93E-07	mg/kg	U	N	ND	1.28E-06	4.93E-06
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	36088-22-9	Pentachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	1.28E-06	4.93E-06
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	4.93E-07	mg/kg	U	N	ND	1.14E-06	4.93E-06
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.93E-07	mg/kg	U	N	ND	1.27E-06	4.93E-06
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	30402-15-4	Pentachlorodibenzofurans (Totals)	0.00E+00	mg/kg	U	N	ND	1.14E-06	4.93E-06
SVOC	SFB-23-295649	0	0.5	10/26/2023	87-86-5	Pentachlorophenol	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
LCMS/MS	SFB-23-295649	0	0.5	10/26/2023	ClO4	Perchlorate	5.36E-04	mg/kg	J	Y	5.36E-04	5.36E-04	1.91E-03
PFAS	SFB-23-295649	0	0.5	10/26/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.83E-01	ng/g	U	N	ND	1.83E-04	0.470
PFAS	SFB-23-295649	0	0.5	10/26/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
PFAS	SFB-23-295649	0	0.5	10/26/2023	375-73-5	Perfluorobutanesulfonic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.441
PFAS	SFB-23-295649	0	0.5	10/26/2023	375-22-4	Perfluorobutanoic acid	1.98E-01	ng/g	U	N	ND	1.98E-04	0.495
PFAS	SFB-23-295649	0	0.5	10/26/2023	335-77-3	Perfluorodecane sulfonate	1.63E-01	ng/g	U	N	ND	1.63E-04	0.480

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
PFAS	SFB-23-295649	0	0.5	10/26/2023	335-76-2	Perfluorodecanoic acid	3.66E-01	ng/g	U	N	ND	3.66E-04	0.990
PFAS	SFB-23-295649	0	0.5	10/26/2023	79780-39-5	Perfluorododecanesulfonic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.479
PFAS	SFB-23-295649	0	0.5	10/26/2023	307-55-1	Perfluorododecanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
PFAS	SFB-23-295649	0	0.5	10/26/2023	375-85-9	Perfluoroheptanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
PFAS	SFB-23-295649	0	0.5	10/26/2023	355-46-4	Perfluorohexanesulfonic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.450
PFAS	SFB-23-295649	0	0.5	10/26/2023	307-24-4	Perfluorohexanoic acid	1.98E-01	ng/g	U	N	ND	1.98E-04	0.495
PFAS	SFB-23-295649	0	0.5	10/26/2023	68259-12-1	Perfluorononanesulfonic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.475
PFAS	SFB-23-295649	0	0.5	10/26/2023	375-95-1	Perfluorononanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
PFAS	SFB-23-295649	0	0.5	10/26/2023	1763-23-1	Perfluorooctanesulfonic acid	1.98E-01	ng/g	U	N	ND	1.98E-04	0.495
PFAS	SFB-23-295649	0	0.5	10/26/2023	335-67-1	Perfluorooctanoic acid	1.98E-01	ng/g	U	N	ND	1.98E-04	0.495
PFAS	SFB-23-295649	0	0.5	10/26/2023	2706-91-4	Perfluoropentanesulfonic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.465
PFAS	SFB-23-295649	0	0.5	10/26/2023	2706-90-3	Perfluoropentanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
PFAS	SFB-23-295649	0	0.5	10/26/2023	376-06-7	Perfluorotetradecanoic acid	1.98E-01	ng/g	U	N	ND	1.98E-04	0.495
PFAS	SFB-23-295649	0	0.5	10/26/2023	72629-94-8	Perfluorotridecanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
PFAS	SFB-23-295649	0	0.5	10/26/2023	2058-94-8	Perfluoroundecanoic acid	1.63E-01	ng/g	U	N	ND	1.63E-04	0.495
LCMS/MS HIGH EXPLOSIVES	SFB-23-295649	0	0.5	10/26/2023	78-11-5	PETN	2.39E-01	mg/kg	U	N	ND	2.39E-01	9.57E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	85-01-8	Phenanthrene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295649	0	0.5	10/26/2023	108-95-2	Phenol	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
INORGANIC	SFB-23-295649	0	0.5	10/26/2023	K	Potassium	6.10E+02	mg/kg	N	Y	6.10E+02	6.10E+02	2.16E+01
VOC	SFB-23-295649	0	0.5	10/26/2023	103-65-1	Propylbenzene[1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295649	0	0.5	10/26/2023	129-00-0	Pyrene	9.87E-03	mg/kg	U	N	ND	9.87E-03	3.29E-02
SVOC	SFB-23-295649	0	0.5	10/26/2023	110-86-1	Pyridine	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295649	0	0.5	10/26/2023	121-82-4	RDX	6.16E+00	mg/kg		Y	6.16E+00	6.16E+00	4.78E-01
INORGANIC	SFB-23-295649	0	0.5	10/26/2023	Se	Selenium	6.78E-01	mg/kg	J	Y	6.78E-01	6.78E-01	8.85E-01
INORGANIC	SFB-23-295649	0	0.5	10/26/2023	Ag	Silver	1.36E+00	mg/kg		Y	1.36E+00	1.36E+00	4.32E-01
INORGANIC	SFB-23-295649	0	0.5	10/26/2023	Na	Sodium	1.46E+02	mg/kg	N	Y	1.46E+02	1.46E+02	2.16E+01
VOC	SFB-23-295649	0	0.5	10/26/2023	100-42-5	Styrene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295649	0	0.5	10/26/2023	3058-38-6	TATB	2.87E-01	mg/kg	UJ	N	ND	2.87E-01	9.57E-01
GENERAL CHEMISTRY	SFB-23-295649	0	0.5	10/26/2023	TEMP	Temperature	3.40E+00	deg C		Y		0.00E+00	
GENERAL CHEMISTRY	SFB-23-295649	0	0.5	10/26/2023	TEMP	Temperature	5.00E+00	deg C		Y		0.00E+00	
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	2.39E-07	mg/kg	U	N	ND	2.63E-07	9.86E-07
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	41903-57-5	Tetrachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	2.63E-07	9.86E-07
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	3.13E-07	mg/kg	U	N	ND	3.95E-07	9.86E-07
HRGC/HRMS	SFB-23-295649	0	0.5	10/26/2023	55722-27-5	Tetrachlorodibenzofurans (Totals)	0.00E+00	mg/kg	U	N	ND	3.95E-07	9.86E-07
VOC	SFB-23-295649	0	0.5	10/26/2023	630-20-6	Tetrachloroethane[1,1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	79-34-5	Tetrachloroethane[1,1,2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	127-18-4	Tetrachloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295649	0	0.5	10/26/2023	479-45-8	Tetryl	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
INORGANIC	SFB-23-295649	0	0.5	10/26/2023	Tl	Thallium	1.24E-01	mg/kg	U	N	ND	1.24E-01	3.54E-01
VOC	SFB-23-295649	0	0.5	10/26/2023	108-88-3	Toluene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
TPH	SFB-23-295649	0	0.5	10/26/2023	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	3.98E+00	mg/kg	J	Y	3.98E+00	3.98E+00	6.61E+00
TPH	SFB-23-295649	0	0.5	10/26/2023	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	1.67E+00	mg/kg	U	N	ND	1.67E+00	1.00E+01
PFAS	SFB-23-295649	0	0.5	10/26/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295649	0	0.5	10/26/2023	PFAS-Tot-37a	Total PFAS 37a	0.00E+00	ng/g	U	N	ND	1.63E-04	4.41E-01
PFAS	SFB-23-295649	0	0.5	10/26/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
VOC	SFB-23-295649	0	0.5	10/26/2023	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295649	0	0.5	10/26/2023	120-82-1	Trichlorobenzene[1,2,4-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
VOC	SFB-23-295649	0	0.5	10/26/2023	71-55-6	Trichloroethane[1,1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	79-00-5	Trichloroethane[1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	79-01-6	Trichloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	75-69-4	Trichlorofluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295649	0	0.5	10/26/2023	95-95-4	Trichlorophenol[2,4,5-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
SVOC	SFB-23-295649	0	0.5	10/26/2023	88-06-2	Trichlorophenol[2,4,6-]	9.87E-02	mg/kg	U	N	ND	9.87E-02	3.29E-01
VOC	SFB-23-295649	0	0.5	10/26/2023	96-18-4	Trichloropropane[1,2,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295649	0	0.5	10/26/2023	95-63-6	Trimethylbenzene[1,2,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	108-67-8	Trimethylbenzene[1,3,5-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295649	0	0.5	10/26/2023	99-35-4	Trinitrobenzene[1,3,5-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295649	0	0.5	10/26/2023	118-96-7	Trinitrotoluene[2,4,6-]	7.72E-01	mg/kg		Y	7.72E-01	7.72E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295649	0	0.5	10/26/2023	78-30-8	Tris (o-cresyl) phosphate	2.87E-01	mg/kg	U	N	ND	2.87E-01	9.57E-01
INORGANIC	SFB-23-295649	0	0.5	10/26/2023	V	Vanadium	6.44E+00	mg/kg		Y	6.44E+00	6.44E+00	4.32E-01
VOC	SFB-23-295649	0	0.5	10/26/2023	75-01-4	Vinyl Chloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	95-47-6	Xylene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295649	0	0.5	10/26/2023	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.67E-04	mg/kg	U	N	ND	6.67E-04	2.00E-03
INORGANIC	SFB-23-295649	0	0.5	10/26/2023	Zn	Zinc	4.24E+01	mg/kg		Y	4.24E+01	4.24E+01	1.73E+00
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.62E-01	ng/g	U	N	ND	1.62E-04	0.462
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.77E-01	ng/g	U	N	ND	3.77E-04	0.941
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	3.24E-01	ng/g	U	N	ND	3.24E-04	0.941
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	3.92E-01	ng/g	U	N	ND	3.92E-04	0.922
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.32E+00	ng/g	U	N	ND	1.32E-03	3.68
LCMS/MS HIGH EXPLOSIVES	SFB-23-295650	0.75	1.25	10/26/2023	6629-29-4	2,4-Diamino-6-nitrotoluene	4.76E-01	mg/kg	U	N	ND	4.76E-01	1.90E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295650	0.75	1.25	10/26/2023	59229-75-3	2,6-Diamino-4-nitrotoluene	6.29E-01	mg/kg	U	N	ND	6.29E-01	1.90E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295650	0.75	1.25	10/26/2023	618-87-1	3,5-Dinitroaniline	2.86E-01	mg/kg	U	N	ND	2.86E-01	9.52E-01
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.24E-01	ng/g	U	N	ND	3.24E-04	0.980
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.24E-01	ng/g	U	N	ND	3.24E-04	0.980
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.24E-01	ng/g	U	N	ND	3.24E-04	0.980
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.62E-01	ng/g	U	N	ND	1.62E-04	0.457
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	83-32-9	Acenaphthene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	208-96-8	Acenaphthylene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
VOC	SFB-23-295650	0.75	1.25	10/26/2023	67-64-1	Acetone	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295650	0.75	1.25	10/26/2023	Al	Aluminum	1.27E+04	mg/kg		Y	1.27E+04	1.27E+04	1.81E+01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295650	0.75	1.25	10/26/2023	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.43E-01	mg/kg	U	N	ND	1.43E-01	4.76E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295650	0.75	1.25	10/26/2023	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.43E-01	mg/kg	U	N	ND	1.43E-01	4.76E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	62-53-3	Aniline	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	120-12-7	Anthracene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
INORGANIC	SFB-23-295650	0.75	1.25	10/26/2023	Sb	Antimony	2.98E-01	mg/kg	U	N	ND	2.98E-01	1.81E+00
INORGANIC	SFB-23-295650	0.75	1.25	10/26/2023	As	Arsenic	1.60E+00	mg/kg		Y	1.60E+00	1.60E+00	8.74E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	103-33-3	Azobenzene	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
INORGANIC	SFB-23-295650	0.75	1.25	10/26/2023	Ba	Barium	1.86E+03	mg/kg		Y	1.86E+03	1.86E+03	2.26E+00
VOC	SFB-23-295650	0.75	1.25	10/26/2023	71-43-2	Benzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	56-55-3	Benzo(a)anthracene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	50-32-8	Benzo(a)pyrene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	205-99-2	Benzo(b)fluoranthene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	191-24-2	Benzo(g,h,i)perylene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	207-08-9	Benzo(k)fluoranthene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	65-85-0	Benzoic Acid	1.65E-01	mg/kg	U	N	ND	1.65E-01	6.60E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	100-51-6	Benzyl Alcohol	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
INORGANIC	SFB-23-295650	0.75	1.25	10/26/2023	Be	Beryllium	1.10E+00	mg/kg		Y	1.10E+00	1.10E+00	8.74E-02
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	111-91-1	Bis(2-chloroethoxy)methane	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	111-44-4	Bis(2-chloroethyl)ether	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	117-81-7	Bis(2-ethylhexyl)phthalate	1.95E-01	mg/kg		Y	1.95E-01	1.95E-01	3.30E-02
VOC	SFB-23-295650	0.75	1.25	10/26/2023	108-86-1	Bromobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	74-97-5	Bromochloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	75-27-4	Bromodichloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	75-25-2	Bromoform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	74-83-9	Bromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	101-55-3	Bromophenyl-phenylether[4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295650	0.75	1.25	10/26/2023	78-93-3	Butanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295650	0.75	1.25	10/26/2023	104-51-8	Butylbenzene[n-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	135-98-8	Butylbenzene[sec-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	98-06-6	Butylbenzene[tert-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	85-68-7	Butylbenzylphthalate	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
INORGANIC	SFB-23-295650	0.75	1.25	10/26/2023	Cd	Cadmium	9.03E-02	mg/kg	U	N	ND	9.03E-02	4.51E-01
INORGANIC	SFB-23-295650	0.75	1.25	10/26/2023	Ca	Calcium	1.97E+03	mg/kg		Y	1.97E+03	1.97E+03	2.26E+01
VOC	SFB-23-295650	0.75	1.25	10/26/2023	75-15-0	Carbon Disulfide	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	56-23-5	Carbon Tetrachloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	59-50-7	Chloro-3-methylphenol[4-]	1.32E-01	mg/kg	U	N	ND	1.32E-01	3.30E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	106-47-8	Chloroaniline[4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295650	0.75	1.25	10/26/2023	108-90-7	Chlorobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	124-48-1	Chlorodibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	75-00-3	Chloroethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	67-66-3	Chloroform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	74-87-3	Chloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	91-58-7	Chloronaphthalene[2-]	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	95-57-8	Chlorophenol[2-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	7005-72-3	Chlorophenyl-phenyl[4-] Ether	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295650	0.75	1.25	10/26/2023	95-49-8	Chlorotoluene[2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	106-43-4	Chlorotoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295650	0.75	1.25	10/26/2023	Cr	Chromium	7.58E+00	mg/kg		Y	7.58E+00	7.58E+00	9.03E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	218-01-9	Chrysene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
INORGANIC	SFB-23-295650	0.75	1.25	10/26/2023	Co	Cobalt	2.75E+00	mg/kg		Y	2.75E+00	2.75E+00	2.26E+00
INORGANIC	SFB-23-295650	0.75	1.25	10/26/2023	Cu	Copper	9.07E+00	mg/kg		Y	9.07E+00	9.07E+00	1.81E+00
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	53-70-3	Dibenz(a,h)anthracene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	132-64-9	Dibenzofuran	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295650	0.75	1.25	10/26/2023	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.00E-04	mg/kg	U	N	ND	5.00E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	106-93-4	Dibromoethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	74-95-3	Dibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295650	0.75	1.25	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295650	0.75	1.25	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	91-94-1	Dichlorobenzidine[3,3'-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295650	0.75	1.25	10/26/2023	75-71-8	Dichlorodifluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	75-34-3	Dichloroethane[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	107-06-2	Dichloroethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	75-35-4	Dichloroethene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	156-59-2	Dichloroethene[cis-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	156-60-5	Dichloroethene[trans-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	120-83-2	Dichlorophenol[2,4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295650	0.75	1.25	10/26/2023	78-87-5	Dichloropropane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	142-28-9	Dichloropropane[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	594-20-7	Dichloropropane[2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	563-58-6	Dichloropropene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	10061-01-5	Dichloropropene[cis-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	10061-02-6	Dichloropropene[trans-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	84-66-2	Diethylphthalate	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	131-11-3	Dimethyl Phthalate	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	105-67-9	Dimethylphenol[2,4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	84-74-2	Di-n-butylphthalate	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	534-52-1	Dinitro-2-methylphenol[4,6-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
LCMS/MS HIGH EXPLOSIVES	SFB-23-295650	0.75	1.25	10/26/2023	99-65-0	Dinitrobenzene[1,3-]	1.43E-01	mg/kg	U	N	ND	1.43E-01	4.76E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	51-28-5	Dinitrophenol[2,4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	6.60E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295650	0.75	1.25	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	1.43E-01	mg/kg	U	N	ND	1.43E-01	4.76E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295650	0.75	1.25	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	1.43E-01	mg/kg	U	N	ND	1.43E-01	4.76E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	117-84-0	Di-n-octylphthalate	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	122-39-4	Diphenylamine	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.87E-01	ng/g	U	N	ND	3.87E-04	0.980
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.70E-01	ng/g	U	N	ND	2.70E-04	0.980
VOC	SFB-23-295650	0.75	1.25	10/26/2023	100-41-4	Ethylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	4.02E-01	ng/g	U	N	ND	4.02E-04	0.980
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	206-44-0	Fluoranthene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	86-73-7	Fluorene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.10E-05	mg/kg		Y	1.10E-05	1.10E-05	4.92E-06
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	37871-00-4	Heptachlorodibenzodioxins (Total)	2.25E-05	mg/kg	J	Y	2.25E-05	2.25E-05	4.92E-06
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	4.13E-06	mg/kg	J	Y	4.13E-06	4.13E-06	4.92E-06
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.13E-06	mg/kg	U	N	ND	1.17E-06	4.92E-06
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	38998-75-3	Heptachlorodibenzofurans (Total)	7.98E-06	mg/kg	J	Y	7.98E-06	7.98E-06	4.92E-06
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	118-74-1	Hexachlorobenzene	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	87-68-3	Hexachlorobutadiene	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	77-47-4	Hexachlorocyclopentadiene	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	6.00E-07	mg/kg	U	N	ND	1.23E-06	4.92E-06
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.94E-07	mg/kg	U	N	ND	1.14E-06	4.92E-06
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	5.41E-07	mg/kg	U	N	ND	1.33E-06	4.92E-06
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	34465-46-8	Hexachlorodibenzodioxins (Total)	3.80E-06	mg/kg	J	Y	3.80E-06	3.80E-06	4.92E-06
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	5.79E-07	mg/kg	U	N	ND	1.12E-06	4.92E-06
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.92E-07	mg/kg	U	N	ND	9.83E-07	4.92E-06
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	6.42E-07	mg/kg	U	N	ND	1.37E-06	4.92E-06
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	5.28E-07	mg/kg	U	N	ND	1.19E-06	4.92E-06
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	55684-94-1	Hexachlorodibenzofurans (Total)	0.00E+00	mg/kg	U	N	ND	9.83E-07	4.92E-06
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	67-72-1	Hexachloroethane	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
VOC	SFB-23-295650	0.75	1.25	10/26/2023	591-78-6	Hexanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295650	0.75	1.25	10/26/2023	2691-41-0	HMX	4.58E-01	mg/kg	J	Y	4.58E-01	4.58E-01	4.76E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	193-39-5	Indeno(1,2,3-cd)pyrene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
VOC	SFB-23-295650	0.75	1.25	10/26/2023	74-88-4	Iodomethane	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295650	0.75	1.25	10/26/2023	Fe	Iron	9.84E+03	mg/kg		Y	9.84E+03	9.84E+03	2.26E+01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	78-59-1	Isophorone	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295650	0.75	1.25	10/26/2023	98-82-8	Isopropylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	99-87-6	Isopropyltoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295650	0.75	1.25	10/26/2023	Pb	Lead	1.00E+01	mg/kg	*	Y	1.00E+01	1.00E+01	1.81E+00
INORGANIC	SFB-23-295650	0.75	1.25	10/26/2023	Mg	Magnesium	1.23E+03	mg/kg	N	Y	1.23E+03	1.23E+03	2.71E+01
INORGANIC	SFB-23-295650	0.75	1.25	10/26/2023	Mn	Manganese	1.72E+02	mg/kg	*	Y	1.72E+02	1.72E+02	9.03E-01
INORGANIC	SFB-23-295650	0.75	1.25	10/26/2023	Hg	Mercury	1.62E-02	mg/kg	J	Y	1.62E-02	1.62E-02	2.13E-02
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[N	3.82E-01	ng/g	U	N	ND	3.82E-04	0.980
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.24E-01	ng/g	U	N	ND	3.24E-04	0.980
VOC	SFB-23-295650	0.75	1.25	10/26/2023	108-10-1	Methyl-2-pentanone[4-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	75-09-2	Methylene Chloride	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	91-57-6	Methylnaphthalene[2-]	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.26E-01	ng/g	U	N	ND	4.26E-04	0.980
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	95-48-7	Methylphenol[2-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	65794-96-9	Methylphenol[3-,4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	91-20-3	Naphthalene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
INORGANIC	SFB-23-295650	0.75	1.25	10/26/2023	Ni	Nickel	7.75E+00	mg/kg	*	Y	7.75E+00	7.75E+00	3.50E-01
GENERAL CHEMISTRY	SFB-23-295650	0.75	1.25	10/26/2023	NO3-N	Nitrate as Nitrogen	1.05E+00	mg/kg		Y	1.05E+00	1.05E+00	9.69E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	88-74-4	Nitroaniline[2-]	1.09E-01	mg/kg	U	N	ND	1.09E-01	3.30E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	99-09-2	Nitroaniline[3-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	100-01-6	Nitroaniline[4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	98-95-3	Nitrobenzene	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295650	0.75	1.25	10/26/2023	98-95-3	Nitrobenzene	1.43E-01	mg/kg	U	N	ND	1.43E-01	4.76E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	88-75-5	Nitrophenol[2-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	100-02-7	Nitrophenol[4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	62-75-9	Nitrosodimethylamine[N-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	621-64-7	Nitroso-di-n-propylamine[N-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295650	0.75	1.25	10/26/2023	88-72-2	Nitrotoluene[2-]	1.43E-01	mg/kg	U	N	ND	1.43E-01	4.76E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295650	0.75	1.25	10/26/2023	99-08-1	Nitrotoluene[3-]	1.43E-01	mg/kg	U	N	ND	1.43E-01	4.76E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295650	0.75	1.25	10/26/2023	99-99-0	Nitrotoluene[4-]	1.43E-01	mg/kg	U	N	ND	1.43E-01	4.76E-01
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	6.48E-05	mg/kg		Y	6.48E-05	6.48E-05	9.84E-06
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	5.41E-06	mg/kg	J	Y	5.41E-06	5.41E-06	9.84E-06
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	108-60-1	Oxybis(1-chloropropane)[2,2'-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.92E-07	mg/kg	U	N	ND	1.28E-06	4.92E-06
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	36088-22-9	Pentachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	1.28E-06	4.92E-06
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	4.92E-07	mg/kg	U	N	ND	1.13E-06	4.92E-06
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.92E-07	mg/kg	U	N	ND	1.27E-06	4.92E-06
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	30402-15-4	Pentachlorodibenzofurans (Totals)	9.78E-07	mg/kg	J	Y	9.78E-07	9.78E-07	4.92E-06
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	87-86-5	Pentachlorophenol	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
LCMS/MS	SFB-23-295650	0.75	1.25	10/26/2023	ClO4	Perchlorate	4.85E-04	mg/kg	U	N	ND	4.85E-04	1.94E-03
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.81E-01	ng/g	U	N	ND	1.81E-04	0.466
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	375-73-5	Perfluorobutanesulfonic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.436
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	375-22-4	Perfluorobutanoic acid	1.96E-01	ng/g	U	N	ND	1.96E-04	0.490
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	335-77-3	Perfluorodecane sulfonate	1.62E-01	ng/g	U	N	ND	1.62E-04	0.475
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	335-76-2	Perfluorodecanoic acid	3.63E-01	ng/g	U	N	ND	3.63E-04	0.980
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	79780-39-5	Perfluorododecanesulfonic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.475
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	307-55-1	Perfluorododecanoic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	375-85-9	Perfluoroheptanoic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	355-46-4	Perfluorohexanesulfonic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.446
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	307-24-4	Perfluorohexanoic acid	1.96E-01	ng/g	U	N	ND	1.96E-04	0.490
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	68259-12-1	Perfluorononanesulfonic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.471
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	375-95-1	Perfluorononanoic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	1763-23-1	Perfluorooctanesulfonic acid	1.96E-01	ng/g	U	N	ND	1.96E-04	0.490
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	335-67-1	Perfluorooctanoic acid	1.96E-01	ng/g	U	N	ND	1.96E-04	0.490
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	2706-91-4	Perfluoropentanesulfonic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.461
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	2706-90-3	Perfluoropentanoic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	376-06-7	Perfluorotetradecanoic acid	1.96E-01	ng/g	U	N	ND	1.96E-04	0.490
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	72629-94-8	Perfluorotridecanoic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	2058-94-8	Perfluoroundecanoic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
LCMS/MS HIGH EXPLOSIVES	SFB-23-295650	0.75	1.25	10/26/2023	78-11-5	PETN	2.38E-01	mg/kg	U	N	ND	2.38E-01	9.52E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	85-01-8	Phenanthrene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	108-95-2	Phenol	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
INORGANIC	SFB-23-295650	0.75	1.25	10/26/2023	K	Potassium	1.15E+03	mg/kg	N	Y	1.15E+03	1.15E+03	2.26E+01
VOC	SFB-23-295650	0.75	1.25	10/26/2023	103-65-1	Propylbenzene[1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	129-00-0	Pyrene	9.90E-03	mg/kg	U	N	ND	9.90E-03	3.30E-02
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	110-86-1	Pyridine	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295650	0.75	1.25	10/26/2023	121-82-4	RDX	7.57E-01	mg/kg		Y	7.57E-01	7.57E-01	4.76E-01
INORGANIC	SFB-23-295650	0.75	1.25	10/26/2023	Se	Selenium	4.21E-01	mg/kg	J	Y	4.21E-01	4.21E-01	8.74E-01
INORGANIC	SFB-23-295650	0.75	1.25	10/26/2023	Ag	Silver	1.02E+00	mg/kg		Y	1.02E+00	1.02E+00	4.51E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
INORGANIC	SFB-23-295650	0.75	1.25	10/26/2023	Na	Sodium	7.19E+01	mg/kg	N	Y	7.19E+01	7.19E+01	2.26E+01
VOC	SFB-23-295650	0.75	1.25	10/26/2023	100-42-5	Styrene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295650	0.75	1.25	10/26/2023	3058-38-6	TATB	2.86E-01	mg/kg	UJ	N	ND	2.86E-01	9.52E-01
GENERAL CHEMISTRY	SFB-23-295650	0.75	1.25	10/26/2023	TEMP	Temperature	3.40E+00	deg C		Y		0.00E+00	
GENERAL CHEMISTRY	SFB-23-295650	0.75	1.25	10/26/2023	TEMP	Temperature	5.00E+00	deg C		Y		0.00E+00	
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	2.48E-07	mg/kg	U	N	ND	2.62E-07	9.84E-07
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	41903-57-5	Tetrachlorodibenzodioxins (Total)	3.56E-07	mg/kg	J	Y	3.56E-07	3.56E-07	9.84E-07
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	3.54E-07	mg/kg	J	Y	3.54E-07	3.54E-07	9.84E-07
HRGC/HRMS	SFB-23-295650	0.75	1.25	10/26/2023	55722-27-5	Tetrachlorodibenzofurans (Totals)	3.54E-07	mg/kg	J	Y	3.54E-07	3.54E-07	9.84E-07
VOC	SFB-23-295650	0.75	1.25	10/26/2023	630-20-6	Tetrachloroethane[1,1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	79-34-5	Tetrachloroethane[1,1,2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	127-18-4	Tetrachloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295650	0.75	1.25	10/26/2023	479-45-8	Tetryl	1.43E-01	mg/kg	U	N	ND	1.43E-01	4.76E-01
INORGANIC	SFB-23-295650	0.75	1.25	10/26/2023	Tl	Thallium	1.90E-01	mg/kg	J	Y	1.90E-01	1.90E-01	3.50E-01
VOC	SFB-23-295650	0.75	1.25	10/26/2023	108-88-3	Toluene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
TPH	SFB-23-295650	0.75	1.25	10/26/2023	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	8.95E+00	mg/kg		Y	8.95E+00	8.95E+00	6.61E+00
TPH	SFB-23-295650	0.75	1.25	10/26/2023	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	1.67E+00	mg/kg	U	N	ND	1.67E+00	1.00E+01
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	PFAS-Tot-37a	Total PFAS 37a	0.00E+00	ng/g	U	N	ND	1.62E-04	4.36E-01
PFAS	SFB-23-295650	0.75	1.25	10/26/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
VOC	SFB-23-295650	0.75	1.25	10/26/2023	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	120-82-1	Trichlorobenzene[1,2,4-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295650	0.75	1.25	10/26/2023	71-55-6	Trichloroethane[1,1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	79-00-5	Trichloroethane[1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	79-01-6	Trichloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	75-69-4	Trichlorofluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	95-95-4	Trichlorophenol[2,4,5-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
SVOC	SFB-23-295650	0.75	1.25	10/26/2023	88-06-2	Trichlorophenol[2,4,6-]	9.90E-02	mg/kg	U	N	ND	9.90E-02	3.30E-01
VOC	SFB-23-295650	0.75	1.25	10/26/2023	96-18-4	Trichloropropane[1,2,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	95-63-6	Trimethylbenzene[1,2,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	108-67-8	Trimethylbenzene[1,3,5-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295650	0.75	1.25	10/26/2023	99-35-4	Trinitrobenzene[1,3,5-]	1.43E-01	mg/kg	U	N	ND	1.43E-01	4.76E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295650	0.75	1.25	10/26/2023	118-96-7	Trinitrotoluene[2,4,6-]	1.58E-01	mg/kg	J	Y	1.58E-01	1.58E-01	4.76E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295650	0.75	1.25	10/26/2023	78-30-8	Tris (o-cresyl) phosphate	2.86E-01	mg/kg	U	N	ND	2.86E-01	9.52E-01
INORGANIC	SFB-23-295650	0.75	1.25	10/26/2023	V	Vanadium	1.56E+01	mg/kg		Y	1.56E+01	1.56E+01	4.51E-01
VOC	SFB-23-295650	0.75	1.25	10/26/2023	75-01-4	Vinyl Chloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	95-47-6	Xylene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295650	0.75	1.25	10/26/2023	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.67E-04	mg/kg	U	N	ND	6.67E-04	2.00E-03
INORGANIC	SFB-23-295650	0.75	1.25	10/26/2023	Zn	Zinc	3.49E+01	mg/kg		Y	3.49E+01	3.49E+01	1.81E+00
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.60E-01	ng/g	U	N	ND	1.60E-04	0.457
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.74E-01	ng/g	U	N	ND	3.74E-04	0.932
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	3.20E-01	ng/g	U	N	ND	3.20E-04	0.932
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	3.88E-01	ng/g	U	N	ND	3.88E-04	0.913
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.31E+00	ng/g	U	N	ND	1.31E-03	3.64
LCMS/MS HIGH EXPLOSIVES	SFB-23-295651	0.75	1.25	10/26/2023	6629-29-4	2,4-Diamino-6-nitrotoluene	4.76E-01	mg/kg	U	N	ND	4.76E-01	1.90E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295651	0.75	1.25	10/26/2023	59229-75-3	2,6-Diamino-4-nitrotoluene	6.29E-01	mg/kg	U	N	ND	6.29E-01	1.90E+00
LCMS/MS HIGH EXPLOSIVES	SFB-23-295651	0.75	1.25	10/26/2023	618-87-1	3,5-Dinitroaniline	2.86E-01	mg/kg	U	N	ND	2.86E-01	9.52E-01
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.20E-01	ng/g	U	N	ND	3.20E-04	0.971
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.20E-01	ng/g	U	N	ND	3.20E-04	0.971
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.20E-01	ng/g	U	N	ND	3.20E-04	0.971
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.60E-01	ng/g	U	N	ND	1.60E-04	0.452
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	83-32-9	Acenaphthene	9.91E-03	mg/kg	U	N	ND	9.91E-03	3.30E-02
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	208-96-8	Acenaphthylene	9.91E-03	mg/kg	U	N	ND	9.91E-03	3.30E-02

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295651	0.75	1.25	10/26/2023	67-64-1	Acetone	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295651	0.75	1.25	10/26/2023	Al	Aluminum	3.49E+03	mg/kg		Y	3.49E+03	3.49E+03	1.98E+01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295651	0.75	1.25	10/26/2023	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.43E-01	mg/kg	U	N	ND	1.43E-01	4.76E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295651	0.75	1.25	10/26/2023	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.43E-01	mg/kg	U	N	ND	1.43E-01	4.76E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	62-53-3	Aniline	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	120-12-7	Anthracene	9.91E-03	mg/kg	U	N	ND	9.91E-03	3.30E-02
INORGANIC	SFB-23-295651	0.75	1.25	10/26/2023	Sb	Antimony	5.05E-01	mg/kg	J	Y	5.05E-01	5.05E-01	1.98E+00
INORGANIC	SFB-23-295651	0.75	1.25	10/26/2023	As	Arsenic	1.18E+00	mg/kg		Y	1.18E+00	1.18E+00	8.52E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	103-33-3	Azobenzene	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
INORGANIC	SFB-23-295651	0.75	1.25	10/26/2023	Ba	Barium	2.93E+03	mg/kg		Y	2.93E+03	2.93E+03	2.47E+00
VOC	SFB-23-295651	0.75	1.25	10/26/2023	71-43-2	Benzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	56-55-3	Benzo(a)anthracene	9.91E-03	mg/kg	U	N	ND	9.91E-03	3.30E-02
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	50-32-8	Benzo(a)pyrene	9.91E-03	mg/kg	U	N	ND	9.91E-03	3.30E-02
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	205-99-2	Benzo(b)fluoranthene	9.91E-03	mg/kg	U	N	ND	9.91E-03	3.30E-02
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	191-24-2	Benzo(g,h,i)perylene	9.91E-03	mg/kg	U	N	ND	9.91E-03	3.30E-02
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	207-08-9	Benzo(k)fluoranthene	9.91E-03	mg/kg	U	N	ND	9.91E-03	3.30E-02
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	65-85-0	Benzoic Acid	1.65E-01	mg/kg	U	N	ND	1.65E-01	6.61E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	100-51-6	Benzyl Alcohol	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
INORGANIC	SFB-23-295651	0.75	1.25	10/26/2023	Be	Beryllium	5.19E-01	mg/kg		Y	5.19E-01	5.19E-01	8.52E-02
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	111-91-1	Bis(2-chloroethoxy)methane	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	111-44-4	Bis(2-chloroethyl)ether	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	117-81-7	Bis(2-ethylhexyl)phthalate	4.29E-02	mg/kg		Y	4.29E-02	4.29E-02	3.30E-02
VOC	SFB-23-295651	0.75	1.25	10/26/2023	108-86-1	Bromobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	74-97-5	Bromochloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	75-27-4	Bromodichloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	75-25-2	Bromoform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	74-83-9	Bromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	101-55-3	Bromophenyl-phenylether[4-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
VOC	SFB-23-295651	0.75	1.25	10/26/2023	78-93-3	Butanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	104-51-8	Butylbenzene[n-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	135-98-8	Butylbenzene[sec-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	98-06-6	Butylbenzene[tert-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	85-68-7	Butylbenzylphthalate	9.91E-03	mg/kg	U	N	ND	9.91E-03	3.30E-02
INORGANIC	SFB-23-295651	0.75	1.25	10/26/2023	Cd	Cadmium	9.88E-02	mg/kg	U	N	ND	9.88E-02	4.94E-01
INORGANIC	SFB-23-295651	0.75	1.25	10/26/2023	Ca	Calcium	1.04E+03	mg/kg		Y	1.04E+03	1.04E+03	2.47E+01
VOC	SFB-23-295651	0.75	1.25	10/26/2023	75-15-0	Carbon Disulfide	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	56-23-5	Carbon Tetrachloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	59-50-7	Chloro-3-methylphenol[4-]	1.32E-01	mg/kg	U	N	ND	1.32E-01	3.30E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	106-47-8	Chloroaniline[4-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
VOC	SFB-23-295651	0.75	1.25	10/26/2023	108-90-7	Chlorobenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	124-48-1	Chlorodibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	75-00-3	Chloroethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	67-66-3	Chloroform	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	74-87-3	Chloromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	91-58-7	Chloronaphthalene[2-]	9.91E-03	mg/kg	U	N	ND	9.91E-03	3.30E-02
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	95-57-8	Chlorophenol[2-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	7005-72-3	Chlorophenyl-phenyl[4-] Ether	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
VOC	SFB-23-295651	0.75	1.25	10/26/2023	95-49-8	Chlorotoluene[2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	106-43-4	Chlorotoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295651	0.75	1.25	10/26/2023	Cr	Chromium	6.08E+00	mg/kg		Y	6.08E+00	6.08E+00	9.88E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	218-01-9	Chrysene	9.91E-03	mg/kg	U	N	ND	9.91E-03	3.30E-02
INORGANIC	SFB-23-295651	0.75	1.25	10/26/2023	Co	Cobalt	1.12E+00	mg/kg	J	Y	1.12E+00	1.12E+00	2.47E+00
INORGANIC	SFB-23-295651	0.75	1.25	10/26/2023	Cu	Copper	9.14E+00	mg/kg		Y	9.14E+00	9.14E+00	1.98E+00
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	53-70-3	Dibenz(a,h)anthracene	9.91E-03	mg/kg	U	N	ND	9.91E-03	3.30E-02

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	132-64-9	Dibenzofuran	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
VOC	SFB-23-295651	0.75	1.25	10/26/2023	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.00E-04	mg/kg	U	N	ND	5.00E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	106-93-4	Dibromoethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	74-95-3	Dibromomethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	95-50-1	Dichlorobenzene[1,2-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
VOC	SFB-23-295651	0.75	1.25	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	541-73-1	Dichlorobenzene[1,3-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
VOC	SFB-23-295651	0.75	1.25	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	106-46-7	Dichlorobenzene[1,4-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	91-94-1	Dichlorobenzidine[3,3'-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
VOC	SFB-23-295651	0.75	1.25	10/26/2023	75-71-8	Dichlorodifluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	75-34-3	Dichloroethane[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	107-06-2	Dichloroethane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	75-35-4	Dichloroethene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	156-59-2	Dichloroethene[cis-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	156-60-5	Dichloroethene[trans-1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	120-83-2	Dichlorophenol[2,4-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
VOC	SFB-23-295651	0.75	1.25	10/26/2023	78-87-5	Dichloropropane[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	142-28-9	Dichloropropane[1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	594-20-7	Dichloropropane[2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	563-58-6	Dichloropropene[1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	10061-01-5	Dichloropropene[cis-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	10061-02-6	Dichloropropene[trans-1,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	84-66-2	Diethylphthalate	9.91E-03	mg/kg	U	N	ND	9.91E-03	3.30E-02
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	131-11-3	Dimethyl Phthalate	9.91E-03	mg/kg	U	N	ND	9.91E-03	3.30E-02
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	105-67-9	Dimethylphenol[2,4-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	84-74-2	Di-n-butylphthalate	9.91E-03	mg/kg	U	N	ND	9.91E-03	3.30E-02
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	534-52-1	Dinitro-2-methylphenol[4,6-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295651	0.75	1.25	10/26/2023	99-65-0	Dinitrobenzene[1,3-]	1.43E-01	mg/kg	U	N	ND	1.43E-01	4.76E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	51-28-5	Dinitrophenol[2,4-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	6.61E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295651	0.75	1.25	10/26/2023	121-14-2	Dinitrotoluene[2,4-]	1.43E-01	mg/kg	U	N	ND	1.43E-01	4.76E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295651	0.75	1.25	10/26/2023	606-20-2	Dinitrotoluene[2,6-]	1.43E-01	mg/kg	U	N	ND	1.43E-01	4.76E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	117-84-0	Di-n-octylphthalate	9.91E-03	mg/kg	U	N	ND	9.91E-03	3.30E-02
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	122-39-4	Diphenylamine	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.83E-01	ng/g	U	N	ND	3.83E-04	0.971
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.67E-01	ng/g	U	N	ND	2.67E-04	0.971
VOC	SFB-23-295651	0.75	1.25	10/26/2023	100-41-4	Ethylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	3.98E-01	ng/g	U	N	ND	3.98E-04	0.971
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	206-44-0	Fluoranthene	9.91E-03	mg/kg	U	N	ND	9.91E-03	3.30E-02
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	86-73-7	Fluorene	9.91E-03	mg/kg	U	N	ND	9.91E-03	3.30E-02
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	7.44E-05	mg/kg		Y	7.44E-05	7.44E-05	4.95E-06
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	37871-00-4	Heptachlorodibenzodioxins (Total)	1.30E-04	mg/kg		Y	1.30E-04	1.30E-04	4.95E-06
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	2.78E-05	mg/kg		Y	2.78E-05	2.78E-05	4.95E-06
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.54E-06	mg/kg	JK	Y	1.54E-06	1.54E-06	4.95E-06
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	38998-75-3	Heptachlorodibenzofurans (Total)	5.89E-05	mg/kg	J	Y	5.89E-05	5.89E-05	4.95E-06
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	118-74-1	Hexachlorobenzene	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	87-68-3	Hexachlorobutadiene	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	77-47-4	Hexachlorocyclopentadiene	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	1.63E-06	mg/kg	J	Y	1.63E-06	1.63E-06	4.95E-06
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	3.15E-06	mg/kg	J	Y	3.15E-06	3.15E-06	4.95E-06
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	3.39E-06	mg/kg	JK	Y	3.39E-06	3.39E-06	4.95E-06

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	34465-46-8	Hexachlorodibenzodioxins (Total)	2.48E-05	mg/kg	J	Y	2.48E-05	2.48E-05	4.95E-06
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.96E-06	mg/kg	J	Y	1.96E-06	1.96E-06	4.95E-06
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	1.54E-06	mg/kg	J	Y	1.54E-06	1.54E-06	4.95E-06
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	5.28E-07	mg/kg	U	N	ND	1.38E-06	4.95E-06
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.89E-06	mg/kg	J	Y	1.89E-06	1.89E-06	4.95E-06
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	55684-94-1	Hexachlorodibenzofurans (Total)	2.77E-05	mg/kg	J	Y	2.77E-05	2.77E-05	4.95E-06
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	67-72-1	Hexachloroethane	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
VOC	SFB-23-295651	0.75	1.25	10/26/2023	591-78-6	Hexanone[2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295651	0.75	1.25	10/26/2023	2691-41-0	HMX	2.22E+00	mg/kg		Y	2.22E+00	2.22E+00	4.76E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	193-39-5	Indeno(1,2,3-cd)pyrene	9.91E-03	mg/kg	U	N	ND	9.91E-03	3.30E-02
VOC	SFB-23-295651	0.75	1.25	10/26/2023	74-88-4	Iodomethane	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
INORGANIC	SFB-23-295651	0.75	1.25	10/26/2023	Fe	Iron	9.40E+03	mg/kg		Y	9.40E+03	9.40E+03	2.47E+01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	78-59-1	Isophorone	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
VOC	SFB-23-295651	0.75	1.25	10/26/2023	98-82-8	Isopropylbenzene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	99-87-6	Isopropyltoluene[4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
INORGANIC	SFB-23-295651	0.75	1.25	10/26/2023	Pb	Lead	1.15E+01	mg/kg	*	Y	1.15E+01	1.15E+01	1.98E+00
INORGANIC	SFB-23-295651	0.75	1.25	10/26/2023	Mg	Magnesium	8.71E+02	mg/kg	N	Y	8.71E+02	8.71E+02	2.96E+01
INORGANIC	SFB-23-295651	0.75	1.25	10/26/2023	Mn	Manganese	1.95E+02	mg/kg	*	Y	1.95E+02	1.95E+02	9.88E-01
INORGANIC	SFB-23-295651	0.75	1.25	10/26/2023	Hg	Mercury	1.02E-02	mg/kg	J	Y	1.02E-02	1.02E-02	2.04E-02
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[N	3.79E-01	ng/g	U	N	ND	3.79E-04	0.971
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.20E-01	ng/g	U	N	ND	3.20E-04	0.971
VOC	SFB-23-295651	0.75	1.25	10/26/2023	108-10-1	Methyl-2-pentanone[4-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	75-09-2	Methylene Chloride	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	91-57-6	Methylnaphthalene[2-]	9.91E-03	mg/kg	U	N	ND	9.91E-03	3.30E-02
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.22E-01	ng/g	U	N	ND	4.22E-04	0.971
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	95-48-7	Methylphenol[2-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	65794-96-9	Methylphenol[3-,4-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	91-20-3	Naphthalene	9.91E-03	mg/kg	U	N	ND	9.91E-03	3.30E-02
INORGANIC	SFB-23-295651	0.75	1.25	10/26/2023	Ni	Nickel	3.33E+00	mg/kg	*	Y	3.33E+00	3.33E+00	3.41E-01
GENERAL CHEMISTRY	SFB-23-295651	0.75	1.25	10/26/2023	NO3-N	Nitrate as Nitrogen	8.27E-01	mg/kg	J	Y	8.27E-01	8.27E-01	9.64E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	88-74-4	Nitroaniline[2-]	1.09E-01	mg/kg	U	N	ND	1.09E-01	3.30E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	99-09-2	Nitroaniline[3-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	100-01-6	Nitroaniline[4-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	98-95-3	Nitrobenzene	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295651	0.75	1.25	10/26/2023	98-95-3	Nitrobenzene	1.43E-01	mg/kg	U	N	ND	1.43E-01	4.76E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	88-75-5	Nitrophenol[2-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	100-02-7	Nitrophenol[4-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	62-75-9	Nitrosodimethylamine[N-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	621-64-7	Nitroso-di-n-propylamine[N-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295651	0.75	1.25	10/26/2023	88-72-2	Nitrotoluene[2-]	1.43E-01	mg/kg	U	N	ND	1.43E-01	4.76E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295651	0.75	1.25	10/26/2023	99-08-1	Nitrotoluene[3-]	1.43E-01	mg/kg	U	N	ND	1.43E-01	4.76E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295651	0.75	1.25	10/26/2023	99-99-0	Nitrotoluene[4-]	1.43E-01	mg/kg	U	N	ND	1.43E-01	4.76E-01
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	4.61E-04	mg/kg		Y	4.61E-04	4.61E-04	9.89E-06
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	5.04E-05	mg/kg		Y	5.04E-05	5.04E-05	9.89E-06
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	108-60-1	Oxybis(1-chloropropane)[2,2'-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	8.71E-07	mg/kg	JK	Y	8.71E-07	8.71E-07	4.95E-06
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	36088-22-9	Pentachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	1.29E-06	4.95E-06
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	1.46E-06	mg/kg	J	Y	1.46E-06	1.46E-06	4.95E-06
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	6.77E-07	mg/kg	J	Y	6.77E-07	6.77E-07	4.95E-06
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	30402-15-4	Pentachlorodibenzofurans (Totals)	9.30E-06	mg/kg	J	Y	9.30E-06	9.30E-06	4.95E-06
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	87-86-5	Pentachlorophenol	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
LCMS/MS	SFB-23-295651	0.75	1.25	10/26/2023	ClO4	Perchlorate	4.61E-04	mg/kg	U	N	ND	4.61E-04	1.84E-03
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.80E-01	ng/g	U	N	ND	1.80E-04	0.461

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	375-73-5	Perfluorobutanesulfonic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.432
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	375-22-4	Perfluorobutanoic acid	1.94E-01	ng/g	U	N	ND	1.94E-04	0.485
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	335-77-3	Perfluorodecane sulfonate	1.60E-01	ng/g	U	N	ND	1.60E-04	0.471
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	335-76-2	Perfluorodecanoic acid	3.59E-01	ng/g	U	N	ND	3.59E-04	0.971
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	79780-39-5	Perfluorododecanesulfonic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.470
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	307-55-1	Perfluorododecanoic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	375-85-9	Perfluoroheptanoic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	355-46-4	Perfluorohexanesulfonic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.442
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	307-24-4	Perfluorohexanoic acid	1.94E-01	ng/g	U	N	ND	1.94E-04	0.485
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	68259-12-1	Perfluorononanesulfonic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.466
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	375-95-1	Perfluorononanoic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	1763-23-1	Perfluorooctanesulfonic acid	1.94E-01	ng/g	U	N	ND	1.94E-04	0.485
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	335-67-1	Perfluorooctanoic acid	1.94E-01	ng/g	U	N	ND	1.94E-04	0.485
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	2706-91-4	Perfluoropentanesulfonic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.456
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	2706-90-3	Perfluoropentanoic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	376-06-7	Perfluorotetradecanoic acid	1.94E-01	ng/g	U	N	ND	1.94E-04	0.485
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	72629-94-8	Perfluorotridecanoic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	2058-94-8	Perfluoroundecanoic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
LCMS/MS HIGH EXPLOSIVES	SFB-23-295651	0.75	1.25	10/26/2023	78-11-5	PETN	2.38E-01	mg/kg	U	N	ND	2.38E-01	9.52E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	85-01-8	Phenanthrene	9.91E-03	mg/kg	U	N	ND	9.91E-03	3.30E-02
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	108-95-2	Phenol	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
INORGANIC	SFB-23-295651	0.75	1.25	10/26/2023	K	Potassium	7.27E+02	mg/kg	N	Y	7.27E+02	7.27E+02	2.47E+01
VOC	SFB-23-295651	0.75	1.25	10/26/2023	103-65-1	Propylbenzene[1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	129-00-0	Pyrene	9.91E-03	mg/kg	U	N	ND	9.91E-03	3.30E-02
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	110-86-1	Pyridine	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295651	0.75	1.25	10/26/2023	121-82-4	RDX	1.93E-01	mg/kg	J	Y	1.93E-01	1.93E-01	4.76E-01
INORGANIC	SFB-23-295651	0.75	1.25	10/26/2023	Se	Selenium	9.18E-01	mg/kg		Y	9.18E-01	9.18E-01	8.52E-01
INORGANIC	SFB-23-295651	0.75	1.25	10/26/2023	Ag	Silver	4.02E+00	mg/kg		Y	4.02E+00	4.02E+00	4.94E-01
INORGANIC	SFB-23-295651	0.75	1.25	10/26/2023	Na	Sodium	1.04E+02	mg/kg	N	Y	1.04E+02	1.04E+02	2.47E+01
VOC	SFB-23-295651	0.75	1.25	10/26/2023	100-42-5	Styrene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295651	0.75	1.25	10/26/2023	3058-38-6	TATB	3.58E+00	mg/kg	J	Y	3.58E+00	3.58E+00	9.52E-01
GENERAL CHEMISTRY	SFB-23-295651	0.75	1.25	10/26/2023	TEMP	Temperature	3.40E+00	deg C		Y		0.00E+00	
GENERAL CHEMISTRY	SFB-23-295651	0.75	1.25	10/26/2023	TEMP	Temperature	5.00E+00	deg C		Y		0.00E+00	
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	4.14E-07	mg/kg	U	N	ND	2.64E-07	9.89E-07
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	41903-57-5	Tetrachlorodibenzodioxins (Total)	7.93E-07	mg/kg	J	Y	7.93E-07	7.93E-07	9.89E-07
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	5.82E-07	mg/kg	JK	Y	5.82E-07	5.82E-07	9.89E-07
HRGC/HRMS	SFB-23-295651	0.75	1.25	10/26/2023	55722-27-5	Tetrachlorodibenzofurans (Totals)	6.61E-07	mg/kg	J	Y	6.61E-07	6.61E-07	9.89E-07
VOC	SFB-23-295651	0.75	1.25	10/26/2023	630-20-6	Tetrachloroethane[1,1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	79-34-5	Tetrachloroethane[1,1,2,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	127-18-4	Tetrachloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295651	0.75	1.25	10/26/2023	479-45-8	Tetryl	1.43E-01	mg/kg	U	N	ND	1.43E-01	4.76E-01
INORGANIC	SFB-23-295651	0.75	1.25	10/26/2023	Tl	Thallium	1.19E-01	mg/kg	U	N	ND	1.19E-01	3.41E-01
VOC	SFB-23-295651	0.75	1.25	10/26/2023	108-88-3	Toluene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
TPH	SFB-23-295651	0.75	1.25	10/26/2023	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	1.31E+01	mg/kg		Y	1.31E+01	1.31E+01	6.56E+00
TPH	SFB-23-295651	0.75	1.25	10/26/2023	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	1.67E+00	mg/kg	U	N	ND	1.67E+00	1.00E+01
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	PFAS-Tot-37a	Total PFAS 37a	0.00E+00	ng/g	U	N	ND	1.60E-04	4.32E-01
PFAS	SFB-23-295651	0.75	1.25	10/26/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
VOC	SFB-23-295651	0.75	1.25	10/26/2023	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.67E-03	mg/kg	U	N	ND	1.67E-03	5.00E-03
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	120-82-1	Trichlorobenzene[1,2,4-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
VOC	SFB-23-295651	0.75	1.25	10/26/2023	71-55-6	Trichloroethane[1,1,1-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	79-00-5	Trichloroethane[1,1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	79-01-6	Trichloroethene	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-23-295651	0.75	1.25	10/26/2023	75-69-4	Trichlorofluoromethane	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	95-95-4	Trichlorophenol[2,4,5-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
SVOC	SFB-23-295651	0.75	1.25	10/26/2023	88-06-2	Trichlorophenol[2,4,6-]	9.91E-02	mg/kg	U	N	ND	9.91E-02	3.30E-01
VOC	SFB-23-295651	0.75	1.25	10/26/2023	96-18-4	Trichloropropane[1,2,3-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	95-63-6	Trimethylbenzene[1,2,4-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	108-67-8	Trimethylbenzene[1,3,5-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
LCMS/MS HIGH EXPLOSIVES	SFB-23-295651	0.75	1.25	10/26/2023	99-35-4	Trinitrobenzene[1,3,5-]	1.43E-01	mg/kg	U	N	ND	1.43E-01	4.76E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295651	0.75	1.25	10/26/2023	118-96-7	Trinitrotoluene[2,4,6-]	1.43E-01	mg/kg	U	N	ND	1.43E-01	4.76E-01
LCMS/MS HIGH EXPLOSIVES	SFB-23-295651	0.75	1.25	10/26/2023	78-30-8	Tris (o-cresyl) phosphate	2.86E-01	mg/kg	U	N	ND	2.86E-01	9.52E-01
INORGANIC	SFB-23-295651	0.75	1.25	10/26/2023	V	Vanadium	8.86E+00	mg/kg		Y	8.86E+00	8.86E+00	4.94E-01
VOC	SFB-23-295651	0.75	1.25	10/26/2023	75-01-4	Vinyl Chloride	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	95-47-6	Xylene[1,2-]	3.33E-04	mg/kg	U	N	ND	3.33E-04	1.00E-03
VOC	SFB-23-295651	0.75	1.25	10/26/2023	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.67E-04	mg/kg	U	N	ND	6.67E-04	2.00E-03
INORGANIC	SFB-23-295651	0.75	1.25	10/26/2023	Zn	Zinc	6.36E+01	mg/kg		Y	6.36E+01	6.36E+01	1.98E+00
PFAS	SFB-23-295652	0	0.5	08/16/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.60E-01	ng/g	U	N	ND	1.60E-04	0.457
PFAS	SFB-23-295652	0	0.5	08/16/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	9.34E+00	ng/g	U	N	ND	9.34E-03	23.3
PFAS	SFB-23-295652	0	0.5	08/16/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	8.01E+00	ng/g	U	N	ND	8.01E-03	23.3
PFAS	SFB-23-295652	0	0.5	08/16/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	1.94E+00	ng/g	U	N	ND	1.94E-03	4.56
PFAS	SFB-23-295652	0	0.5	08/16/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	6.53E+00	ng/g	U	N	ND	6.53E-03	18.2
PFAS	SFB-23-295652	0	0.5	08/16/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.20E-01	ng/g	U	N	ND	3.20E-04	0.971
PFAS	SFB-23-295652	0	0.5	08/16/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.20E-01	ng/g	U	N	ND	3.20E-04	0.971
PFAS	SFB-23-295652	0	0.5	08/16/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.20E-01	ng/g	U	N	ND	3.20E-04	0.971
PFAS	SFB-23-295652	0	0.5	08/16/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
PFAS	SFB-23-295652	0	0.5	08/16/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.60E-01	ng/g	U	N	ND	1.60E-04	0.452
PFAS	SFB-23-295652	0	0.5	08/16/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.83E-01	ng/g	U	N	ND	3.83E-04	0.971
PFAS	SFB-23-295652	0	0.5	08/16/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.67E-01	ng/g	U	N	ND	2.67E-04	0.971
PFAS	SFB-23-295652	0	0.5	08/16/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	3.98E-01	ng/g	U	N	ND	3.98E-04	0.971
PFAS	SFB-23-295652	0	0.5	08/16/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
PFAS	SFB-23-295652	0	0.5	08/16/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[N	3.79E-01	ng/g	U	N	ND	3.79E-04	0.971
PFAS	SFB-23-295652	0	0.5	08/16/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.20E-01	ng/g	U	N	ND	3.20E-04	0.971
PFAS	SFB-23-295652	0	0.5	08/16/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.22E-01	ng/g	U	N	ND	4.22E-04	0.971
PFAS	SFB-23-295652	0	0.5	08/16/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.80E-01	ng/g	U	N	ND	1.80E-04	0.461
PFAS	SFB-23-295652	0	0.5	08/16/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
PFAS	SFB-23-295652	0	0.5	08/16/2023	375-73-5	Perfluorobutanesulfonic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.432
PFAS	SFB-23-295652	0	0.5	08/16/2023	375-22-4	Perfluorobutanoic acid	1.94E-01	ng/g	U	N	ND	1.94E-04	0.485
PFAS	SFB-23-295652	0	0.5	08/16/2023	335-77-3	Perfluorodecane sulfonate	1.60E-01	ng/g	U	N	ND	1.60E-04	0.471
PFAS	SFB-23-295652	0	0.5	08/16/2023	335-76-2	Perfluorodecanoic acid	3.59E-01	ng/g	U	N	ND	3.59E-04	0.971
PFAS	SFB-23-295652	0	0.5	08/16/2023	79780-39-5	Perfluorododecanesulfonic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.470
PFAS	SFB-23-295652	0	0.5	08/16/2023	307-55-1	Perfluorododecanoic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
PFAS	SFB-23-295652	0	0.5	08/16/2023	375-85-9	Perfluoroheptanoic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
PFAS	SFB-23-295652	0	0.5	08/16/2023	355-46-4	Perfluorohexanesulfonic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.442
PFAS	SFB-23-295652	0	0.5	08/16/2023	307-24-4	Perfluorohexanoic acid	1.94E-01	ng/g	U	N	ND	1.94E-04	0.485
PFAS	SFB-23-295652	0	0.5	08/16/2023	68259-12-1	Perfluorononanesulfonic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.466
PFAS	SFB-23-295652	0	0.5	08/16/2023	375-95-1	Perfluorononanoic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
PFAS	SFB-23-295652	0	0.5	08/16/2023	1763-23-1	Perfluorooctanesulfonic acid	1.94E-01	ng/g	U	N	ND	1.94E-04	0.485
PFAS	SFB-23-295652	0	0.5	08/16/2023	335-67-1	Perfluorooctanoic acid	1.94E-01	ng/g	U	N	ND	1.94E-04	0.485
PFAS	SFB-23-295652	0	0.5	08/16/2023	2706-91-4	Perfluoropentanesulfonic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.456
PFAS	SFB-23-295652	0	0.5	08/16/2023	2706-90-3	Perfluoropentanoic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
PFAS	SFB-23-295652	0	0.5	08/16/2023	376-06-7	Perfluorotetradecanoic acid	1.94E-01	ng/g	U	N	ND	1.94E-04	0.485
PFAS	SFB-23-295652	0	0.5	08/16/2023	72629-94-8	Perfluorotridecanoic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
PFAS	SFB-23-295652	0	0.5	08/16/2023	2058-94-8	Perfluoroundecanoic acid	1.60E-01	ng/g	U	N	ND	1.60E-04	0.485
GENERAL CHEMISTRY	SFB-23-295652	0	0.5	08/16/2023	TEMP	Temperature	6.00E+00	deg C		Y		0.00E+00	
PFAS	SFB-23-295652	0	0.5	08/16/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295652	0	0.5	08/16/2023	PFAS-Tot-37a	Total PFAS 37a	0.00E+00	ng/g	U	N	ND	1.60E-04	4.32E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
PFAS	SFB-23-295652	0	0.5	08/16/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.59E-01	ng/g	U	N	ND	1.59E-04	0.453
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	1.85E+00	ng/g	U	N	ND	1.85E-03	4.62
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	1.59E+00	ng/g	U	N	ND	1.59E-03	4.62
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	1.92E+00	ng/g	U	N	ND	1.92E-03	4.52
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	6.47E+00	ng/g	U	N	ND	6.47E-03	18.0
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.59E-01	ng/g	U	N	ND	1.59E-04	0.448
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.80E-01	ng/g	U	N	ND	3.80E-04	0.962
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.64E-01	ng/g	U	N	ND	2.64E-04	0.962
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	3.94E-01	ng/g	U	N	ND	3.94E-04	0.962
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[N	3.75E-01	ng/g	U	N	ND	3.75E-04	0.962
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.17E-01	ng/g	U	N	ND	3.17E-04	0.962
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.18E-01	ng/g	U	N	ND	4.18E-04	0.962
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.78E-01	ng/g	U	N	ND	1.78E-04	0.457
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	375-73-5	Perfluorobutanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.428
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	375-22-4	Perfluorobutanoic acid	2.59E-01	ng/g	J	Y	2.59E-04	2.59E-04	0.481
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	335-77-3	Perfluorodecane sulfonate	1.59E-01	ng/g	U	N	ND	1.59E-04	0.466
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	335-76-2	Perfluorodecanoic acid	3.56E-01	ng/g	U	N	ND	3.56E-04	0.962
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	79780-39-5	Perfluorododecanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.465
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	307-55-1	Perfluorododecanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	375-85-9	Perfluoroheptanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	355-46-4	Perfluorohexanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.438
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	307-24-4	Perfluorohexanoic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	68259-12-1	Perfluorononanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.462
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	375-95-1	Perfluorononanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	1763-23-1	Perfluorooctanesulfonic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	335-67-1	Perfluorooctanoic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	2706-91-4	Perfluoropentanesulfonic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.452
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	2706-90-3	Perfluoropentanoic acid	1.85E-01	ng/g	J	Y	1.85E-04	1.85E-04	0.481
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	376-06-7	Perfluorotetradecanoic acid	1.92E-01	ng/g	U	N	ND	1.92E-04	0.481
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	72629-94-8	Perfluorotridecanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	2058-94-8	Perfluoroundecanoic acid	1.59E-01	ng/g	U	N	ND	1.59E-04	0.481
GENERAL CHEMISTRY	SFB-23-295653	0.5	1.25	08/16/2023	TEMP	Temperature	6.00E+00	deg C		Y		0.00E+00	
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	PFAS-Tot-37a	Total PFAS 37a	4.43E-01	ng/g		Y	4.43E-04	4.43E-04	0.428
PFAS	SFB-23-295653	0.5	1.25	08/16/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295654	0	0.5	08/16/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.55E-01	ng/g	U	N	ND	1.55E-04	0.442
PFAS	SFB-23-295654	0	0.5	08/16/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.62E-01	ng/g	U	N	ND	3.62E-04	0.901
PFAS	SFB-23-295654	0	0.5	08/16/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	3.10E-01	ng/g	U	N	ND	3.10E-04	0.901
PFAS	SFB-23-295654	0	0.5	08/16/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	3.76E-01	ng/g	U	N	ND	3.76E-04	0.883
PFAS	SFB-23-295654	0	0.5	08/16/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.26E+00	ng/g	U	N	ND	1.26E-03	3.52
PFAS	SFB-23-295654	0	0.5	08/16/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.10E-01	ng/g	U	N	ND	3.10E-04	0.939
PFAS	SFB-23-295654	0	0.5	08/16/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.10E-01	ng/g	U	N	ND	3.10E-04	0.939
PFAS	SFB-23-295654	0	0.5	08/16/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.10E-01	ng/g	U	N	ND	3.10E-04	0.939
PFAS	SFB-23-295654	0	0.5	08/16/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.55E-01	ng/g	U	N	ND	1.55E-04	0.469
PFAS	SFB-23-295654	0	0.5	08/16/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.55E-01	ng/g	U	N	ND	1.55E-04	0.438
PFAS	SFB-23-295654	0	0.5	08/16/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.71E-01	ng/g	U	N	ND	3.71E-04	0.939
PFAS	SFB-23-295654	0	0.5	08/16/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.58E-01	ng/g	U	N	ND	2.58E-04	0.939

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
PFAS	SFB-23-295654	0	0.5	08/16/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	3.85E-01	ng/g	U	N	ND	3.85E-04	0.939
PFAS	SFB-23-295654	0	0.5	08/16/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.55E-01	ng/g	U	N	ND	1.55E-04	0.469
PFAS	SFB-23-295654	0	0.5	08/16/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[N	3.66E-01	ng/g	U	N	ND	3.66E-04	0.939
PFAS	SFB-23-295654	0	0.5	08/16/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.10E-01	ng/g	U	N	ND	3.10E-04	0.939
PFAS	SFB-23-295654	0	0.5	08/16/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.08E-01	ng/g	U	N	ND	4.08E-04	0.939
PFAS	SFB-23-295654	0	0.5	08/16/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.74E-01	ng/g	U	N	ND	1.74E-04	0.446
PFAS	SFB-23-295654	0	0.5	08/16/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.55E-01	ng/g	U	N	ND	1.55E-04	0.469
PFAS	SFB-23-295654	0	0.5	08/16/2023	375-73-5	Perfluorobutanesulfonic acid	1.55E-01	ng/g	U	N	ND	1.55E-04	0.418
PFAS	SFB-23-295654	0	0.5	08/16/2023	375-22-4	Perfluorobutanoic acid	1.88E-01	ng/g	U	N	ND	1.88E-04	0.469
PFAS	SFB-23-295654	0	0.5	08/16/2023	335-77-3	Perfluorodecane sulfonate	1.55E-01	ng/g	U	N	ND	1.55E-04	0.455
PFAS	SFB-23-295654	0	0.5	08/16/2023	335-76-2	Perfluorodecanoic acid	3.47E-01	ng/g	U	N	ND	3.47E-04	0.939
PFAS	SFB-23-295654	0	0.5	08/16/2023	79780-39-5	Perfluorododecanesulfonic acid	1.55E-01	ng/g	U	N	ND	1.55E-04	0.454
PFAS	SFB-23-295654	0	0.5	08/16/2023	307-55-1	Perfluorododecanoic acid	1.55E-01	ng/g	U	N	ND	1.55E-04	0.469
PFAS	SFB-23-295654	0	0.5	08/16/2023	375-85-9	Perfluoroheptanoic acid	1.55E-01	ng/g	U	N	ND	1.55E-04	0.469
PFAS	SFB-23-295654	0	0.5	08/16/2023	355-46-4	Perfluorohexanesulfonic acid	1.55E-01	ng/g	U	N	ND	1.55E-04	0.427
PFAS	SFB-23-295654	0	0.5	08/16/2023	307-24-4	Perfluorohexanoic acid	1.88E-01	ng/g	U	N	ND	1.88E-04	0.469
PFAS	SFB-23-295654	0	0.5	08/16/2023	68259-12-1	Perfluorononanesulfonic acid	1.55E-01	ng/g	U	N	ND	1.55E-04	0.451
PFAS	SFB-23-295654	0	0.5	08/16/2023	375-95-1	Perfluorononanoic acid	1.55E-01	ng/g	U	N	ND	1.55E-04	0.469
PFAS	SFB-23-295654	0	0.5	08/16/2023	1763-23-1	Perfluorooctanesulfonic acid	2.24E-01	ng/g	J	Y	2.24E-04	2.24E-04	0.469
PFAS	SFB-23-295654	0	0.5	08/16/2023	335-67-1	Perfluorooctanoic acid	1.88E-01	ng/g	U	N	ND	1.88E-04	0.469
PFAS	SFB-23-295654	0	0.5	08/16/2023	2706-91-4	Perfluoropentanesulfonic acid	1.55E-01	ng/g	U	N	ND	1.55E-04	0.441
PFAS	SFB-23-295654	0	0.5	08/16/2023	2706-90-3	Perfluoropentanoic acid	1.55E-01	ng/g	U	N	ND	1.55E-04	0.469
PFAS	SFB-23-295654	0	0.5	08/16/2023	376-06-7	Perfluorotetradecanoic acid	1.88E-01	ng/g	U	N	ND	1.88E-04	0.469
PFAS	SFB-23-295654	0	0.5	08/16/2023	72629-94-8	Perfluorotridecanoic acid	1.55E-01	ng/g	U	N	ND	1.55E-04	0.469
PFAS	SFB-23-295654	0	0.5	08/16/2023	2058-94-8	Perfluoroundecanoic acid	1.55E-01	ng/g	U	N	ND	1.55E-04	0.469
GENERAL CHEMISTRY	SFB-23-295654	0	0.5	08/16/2023	TEMP	Temperature	6.00E+00	deg C		Y		0.00E+00	
PFAS	SFB-23-295654	0	0.5	08/16/2023	PFAS-Tot-2a	Total PFAS 2a	2.24E-01	ng/g	J	Y	2.24E-04	2.24E-04	0
PFAS	SFB-23-295654	0	0.5	08/16/2023	PFAS-Tot-37a	Total PFAS 37a	2.24E-01	ng/g	J	Y	2.24E-04	2.24E-04	0.418
PFAS	SFB-23-295654	0	0.5	08/16/2023	PFAS-Tot-3a	Total PFAS 3a	2.24E-01	ng/g	J	Y	2.24E-04	2.24E-04	0
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.62E-01	ng/g	U	N	ND	1.62E-04	0.462
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.77E-01	ng/g	U	N	ND	3.77E-04	0.941
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	3.24E-01	ng/g	U	N	ND	3.24E-04	0.941
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	3.92E-01	ng/g	U	N	ND	3.92E-04	0.922
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.32E+00	ng/g	U	N	ND	1.32E-03	3.68
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.24E-01	ng/g	U	N	ND	3.24E-04	0.980
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.24E-01	ng/g	U	N	ND	3.24E-04	0.980
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.24E-01	ng/g	U	N	ND	3.24E-04	0.980
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.62E-01	ng/g	U	N	ND	1.62E-04	0.457
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.87E-01	ng/g	U	N	ND	3.87E-04	0.980
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.70E-01	ng/g	U	N	ND	2.70E-04	0.980
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	4.02E-01	ng/g	U	N	ND	4.02E-04	0.980
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[N	3.82E-01	ng/g	U	N	ND	3.82E-04	0.980
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.24E-01	ng/g	U	N	ND	3.24E-04	0.980
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.26E-01	ng/g	U	N	ND	4.26E-04	0.980
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.81E-01	ng/g	U	N	ND	1.81E-04	0.466
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	375-73-5	Perfluorobutanesulfonic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.436
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	375-22-4	Perfluorobutanoic acid	2.18E-01	ng/g	J	Y	2.18E-04	2.18E-04	0.490
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	335-77-3	Perfluorodecane sulfonate	1.62E-01	ng/g	U	N	ND	1.62E-04	0.475
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	335-76-2	Perfluorodecanoic acid	3.63E-01	ng/g	U	N	ND	3.63E-04	0.980
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	79780-39-5	Perfluorododecanesulfonic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.475
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	307-55-1	Perfluorododecanoic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	375-85-9	Perfluoroheptanoic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	355-46-4	Perfluorohexanesulfonic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.446
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	307-24-4	Perfluorohexanoic acid	1.96E-01	ng/g	U	N	ND	1.96E-04	0.490
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	68259-12-1	Perfluorononanesulfonic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.471
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	375-95-1	Perfluorononanoic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	1763-23-1	Perfluorooctanesulfonic acid	1.96E-01	ng/g	U	N	ND	1.96E-04	0.490
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	335-67-1	Perfluorooctanoic acid	1.96E-01	ng/g	U	N	ND	1.96E-04	0.490
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	2706-91-4	Perfluoropentanesulfonic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.461
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	2706-90-3	Perfluoropentanoic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	376-06-7	Perfluorotetradecanoic acid	1.96E-01	ng/g	U	N	ND	1.96E-04	0.490
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	72629-94-8	Perfluorotridecanoic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	2058-94-8	Perfluoroundecanoic acid	1.62E-01	ng/g	U	N	ND	1.62E-04	0.490
GENERAL CHEMISTRY	SFB-23-295655	0.5	1.25	08/16/2023	TEMP	Temperature	6.00E+00	deg C		Y		0.00E+00	
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	PFAS-Tot-37a	Total PFAS 37a	2.18E-01	ng/g	J	Y	2.18E-04	2.18E-04	0.436
PFAS	SFB-23-295655	0.5	1.25	08/16/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295656	0	0.5	08/16/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.56E-01	ng/g	U	N	ND	1.56E-04	0.446
PFAS	SFB-23-295656	0	0.5	08/16/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.65E-01	ng/g	U	N	ND	3.65E-04	0.910
PFAS	SFB-23-295656	0	0.5	08/16/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	3.13E-01	ng/g	U	N	ND	3.13E-04	0.910
PFAS	SFB-23-295656	0	0.5	08/16/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	3.79E-01	ng/g	U	N	ND	3.79E-04	0.891
PFAS	SFB-23-295656	0	0.5	08/16/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.27E+00	ng/g	U	N	ND	1.27E-03	3.55
PFAS	SFB-23-295656	0	0.5	08/16/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.13E-01	ng/g	U	N	ND	3.13E-04	0.948
PFAS	SFB-23-295656	0	0.5	08/16/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.13E-01	ng/g	U	N	ND	3.13E-04	0.948
PFAS	SFB-23-295656	0	0.5	08/16/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.13E-01	ng/g	U	N	ND	3.13E-04	0.948
PFAS	SFB-23-295656	0	0.5	08/16/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.474
PFAS	SFB-23-295656	0	0.5	08/16/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.56E-01	ng/g	U	N	ND	1.56E-04	0.442
PFAS	SFB-23-295656	0	0.5	08/16/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.74E-01	ng/g	U	N	ND	3.74E-04	0.948
PFAS	SFB-23-295656	0	0.5	08/16/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.61E-01	ng/g	U	N	ND	2.61E-04	0.948
PFAS	SFB-23-295656	0	0.5	08/16/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	3.89E-01	ng/g	U	N	ND	3.89E-04	0.948
PFAS	SFB-23-295656	0	0.5	08/16/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.56E-01	ng/g	U	N	ND	1.56E-04	0.474
PFAS	SFB-23-295656	0	0.5	08/16/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[N	3.70E-01	ng/g	U	N	ND	3.70E-04	0.948
PFAS	SFB-23-295656	0	0.5	08/16/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.13E-01	ng/g	U	N	ND	3.13E-04	0.948
PFAS	SFB-23-295656	0	0.5	08/16/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.12E-01	ng/g	U	N	ND	4.12E-04	0.948
PFAS	SFB-23-295656	0	0.5	08/16/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.75E-01	ng/g	U	N	ND	1.75E-04	0.450
PFAS	SFB-23-295656	0	0.5	08/16/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.56E-01	ng/g	U	N	ND	1.56E-04	0.474
PFAS	SFB-23-295656	0	0.5	08/16/2023	375-73-5	Perfluorobutanesulfonic acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.422
PFAS	SFB-23-295656	0	0.5	08/16/2023	375-22-4	Perfluorobutanoic acid	1.90E-01	ng/g	U	N	ND	1.90E-04	0.474
PFAS	SFB-23-295656	0	0.5	08/16/2023	335-77-3	Perfluorodecane sulfonate	1.56E-01	ng/g	U	N	ND	1.56E-04	0.460
PFAS	SFB-23-295656	0	0.5	08/16/2023	335-76-2	Perfluorodecanoic acid	3.51E-01	ng/g	U	N	ND	3.51E-04	0.948
PFAS	SFB-23-295656	0	0.5	08/16/2023	79780-39-5	Perfluorododecanesulfonic acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.459
PFAS	SFB-23-295656	0	0.5	08/16/2023	307-55-1	Perfluorododecanoic acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.474
PFAS	SFB-23-295656	0	0.5	08/16/2023	375-85-9	Perfluoroheptanoic acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.474
PFAS	SFB-23-295656	0	0.5	08/16/2023	355-46-4	Perfluorohexanesulfonic acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.431
PFAS	SFB-23-295656	0	0.5	08/16/2023	307-24-4	Perfluorohexanoic acid	1.90E-01	ng/g	U	N	ND	1.90E-04	0.474
PFAS	SFB-23-295656	0	0.5	08/16/2023	68259-12-1	Perfluorononanesulfonic acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.455
PFAS	SFB-23-295656	0	0.5	08/16/2023	375-95-1	Perfluorononanoic acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.474
PFAS	SFB-23-295656	0	0.5	08/16/2023	1763-23-1	Perfluorooctanesulfonic acid	1.90E-01	ng/g	U	N	ND	1.90E-04	0.474
PFAS	SFB-23-295656	0	0.5	08/16/2023	335-67-1	Perfluorooctanoic acid	1.90E-01	ng/g	U	N	ND	1.90E-04	0.474
PFAS	SFB-23-295656	0	0.5	08/16/2023	2706-91-4	Perfluoropentanesulfonic acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.445
PFAS	SFB-23-295656	0	0.5	08/16/2023	2706-90-3	Perfluoropentanoic acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.474
PFAS	SFB-23-295656	0	0.5	08/16/2023	376-06-7	Perfluorotetradecanoic acid	1.90E-01	ng/g	U	N	ND	1.90E-04	0.474
PFAS	SFB-23-295656	0	0.5	08/16/2023	72629-94-8	Perfluorotridecanoic acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.474
PFAS	SFB-23-295656	0	0.5	08/16/2023	2058-94-8	Perfluoroundecanoic acid	1.56E-01	ng/g	U	N	ND	1.56E-04	0.474
GENERAL CHEMISTRY	SFB-23-295656	0	0.5	08/16/2023	TEMP	Temperature	6.00E+00	deg C		Y		0.00E+00	

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
PFAS	SFB-23-295656	0	0.5	08/16/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295656	0	0.5	08/16/2023	PFAS-Tot-37a	Total PFAS 37a	0.00E+00	ng/g	U	N	ND	1.56E-04	4.22E-01
PFAS	SFB-23-295656	0	0.5	08/16/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	1.57E-01	ng/g	U	N	ND	1.57E-04	0.449
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	3.67E-01	ng/g	U	N	ND	3.67E-04	0.914
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	3.14E-01	ng/g	U	N	ND	3.14E-04	0.914
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	3.81E-01	ng/g	U	N	ND	3.81E-04	0.895
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.28E+00	ng/g	U	N	ND	1.28E-03	3.57
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	812-70-4	3-Perfluoroheptyl propanoic acid	3.14E-01	ng/g	U	N	ND	3.14E-04	0.952
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	914637-49-3	3-Perfluoropentyl propanoic acid	3.14E-01	ng/g	U	N	ND	3.14E-04	0.952
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	356-02-5	3-Perfluoropropyl propanoic acid	3.14E-01	ng/g	U	N	ND	3.14E-04	0.952
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.476
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	1.57E-01	ng/g	U	N	ND	1.57E-04	0.444
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	3.76E-01	ng/g	U	N	ND	3.76E-04	0.952
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	2.62E-01	ng/g	U	N	ND	2.62E-04	0.952
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	3.90E-01	ng/g	U	N	ND	3.90E-04	0.952
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	1.57E-01	ng/g	U	N	ND	1.57E-04	0.476
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[N	3.71E-01	ng/g	U	N	ND	3.71E-04	0.952
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	3.14E-01	ng/g	U	N	ND	3.14E-04	0.952
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	4.14E-01	ng/g	U	N	ND	4.14E-04	0.952
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	375-92-8	Perfluoro-1-heptanesulfonic acid	1.76E-01	ng/g	U	N	ND	1.76E-04	0.452
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	754-91-6	Perfluoro-1-octanesulfonamide	1.57E-01	ng/g	U	N	ND	1.57E-04	0.476
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	375-73-5	Perfluorobutanesulfonic acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.424
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	375-22-4	Perfluorobutanoic acid	1.90E-01	ng/g	U	N	ND	1.90E-04	0.476
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	335-77-3	Perfluorodecane sulfonate	1.57E-01	ng/g	U	N	ND	1.57E-04	0.462
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	335-76-2	Perfluorodecanoic acid	3.52E-01	ng/g	U	N	ND	3.52E-04	0.952
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	79780-39-5	Perfluorododecanesulfonic acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.461
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	307-55-1	Perfluorododecanoic acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.476
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	375-85-9	Perfluoroheptanoic acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.476
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	355-46-4	Perfluorohexanesulfonic acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.433
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	307-24-4	Perfluorohexanoic acid	1.90E-01	ng/g	U	N	ND	1.90E-04	0.476
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	68259-12-1	Perfluorononanesulfonic acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.457
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	375-95-1	Perfluorononanoic acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.476
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	1763-23-1	Perfluorooctanesulfonic acid	1.90E-01	ng/g	U	N	ND	1.90E-04	0.476
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	335-67-1	Perfluorooctanoic acid	1.90E-01	ng/g	U	N	ND	1.90E-04	0.476
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	2706-91-4	Perfluoropentanesulfonic acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.448
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	2706-90-3	Perfluoropentanoic acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.476
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	376-06-7	Perfluorotetradecanoic acid	1.90E-01	ng/g	U	N	ND	1.90E-04	0.476
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	72629-94-8	Perfluorotridecanoic acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.476
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	2058-94-8	Perfluoroundecanoic acid	1.57E-01	ng/g	U	N	ND	1.57E-04	0.476
GENERAL CHEMISTRY	SFB-23-295657	0.5	1.25	08/16/2023	TEMP	Temperature	6.00E+00	deg C		Y		0.00E+00	
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	PFAS-Tot-2a	Total PFAS 2a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	PFAS-Tot-37a	Total PFAS 37a	0.00E+00	ng/g	U	N	ND	1.57E-04	4.24E-01
PFAS	SFB-23-295657	0.5	1.25	08/16/2023	PFAS-Tot-3a	Total PFAS 3a	0.00E+00	ng/g	U	N	ND	0.00E+00	0.00E+00
SVOC	WST16-13-29794	0	<1	03/27/2013	100-01-6	Nitroaniline[4-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	100-02-7	Nitrophenol[4-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	100-51-6	Benzyl Alcohol	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	101-55-3	Bromophenyl-phenylether[4-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	103-33-3	Azobenzene	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	105-67-9	Dimethylphenol[2,4-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	106-44-5	Methylphenol[4-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	106-46-7	Dichlorobenzene[1,4-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	106-47-8	Chloroaniline[4-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	108-60-1	Oxybis(1-chloropropane)[2,2'-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	WST16-13-29794	0	<1	03/27/2013	108-95-2	Phenol	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	110-86-1	Pyridine	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	111-44-4	Bis(2-chloroethyl)ether	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	111-91-1	Bis(2-chloroethoxy)methane	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	117-81-7	Bis(2-ethylhexyl)phthalate	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	117-84-0	Di-n-octylphthalate	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	118-74-1	Hexachlorobenzene	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
LCMS/MS HIGH EXPLOSIVES	WST16-13-29794	0	<1	03/27/2013	118-96-7	Trinitrotoluene[2,4,6-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	120-12-7	Anthracene	3.35E-02	mg/kg	U	N	ND	1.00E-02	3.35E-02
SVOC	WST16-13-29794	0	<1	03/27/2013	120-82-1	Trichlorobenzene[1,2,4-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	120-83-2	Dichlorophenol[2,4-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	121-14-2	Dinitrotoluene[2,4-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
LCMS/MS HIGH EXPLOSIVES	WST16-13-29794	0	<1	03/27/2013	121-14-2	Dinitrotoluene[2,4-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	WST16-13-29794	0	<1	03/27/2013	121-82-4	RDX	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	122-39-4	Diphenylamine	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	129-00-0	Pyrene	3.35E-02	mg/kg	U	N	ND	1.00E-02	3.35E-02
SVOC	WST16-13-29794	0	<1	03/27/2013	131-11-3	Dimethyl Phthalate	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	132-64-9	Dibenzofuran	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	1.74E-07	mg/kg	U	N	ND	3.38E-07	1.00E-06
SVOC	WST16-13-29794	0	<1	03/27/2013	191-24-2	Benzo(g,h,i)perylene	3.35E-02	mg/kg	U	N	ND	1.00E-02	3.35E-02
SVOC	WST16-13-29794	0	<1	03/27/2013	193-39-5	Indeno(1,2,3-cd)pyrene	3.35E-02	mg/kg	U	N	ND	1.00E-02	3.35E-02
LCMS/MS HIGH EXPLOSIVES	WST16-13-29794	0	<1	03/27/2013	19406-51-0	Amino-2,6-dinitrotoluene[4-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	5.94E-06	mg/kg		Y	5.94E-06	5.94E-06	5.10E-06
SVOC	WST16-13-29794	0	<1	03/27/2013	205-99-2	Benzo(b)fluoranthene	3.35E-02	mg/kg	U	N	ND	1.00E-02	3.35E-02
SVOC	WST16-13-29794	0	<1	03/27/2013	206-44-0	Fluoranthene	3.35E-02	mg/kg	U	N	ND	1.00E-02	3.35E-02
SVOC	WST16-13-29794	0	<1	03/27/2013	207-08-9	Benzo(k)fluoranthene	3.35E-02	mg/kg	U	N	ND	1.00E-02	3.35E-02
SVOC	WST16-13-29794	0	<1	03/27/2013	208-96-8	Acenaphthylene	3.35E-02	mg/kg	U	N	ND	1.00E-02	3.35E-02
SVOC	WST16-13-29794	0	<1	03/27/2013	218-01-9	Chrysene	3.35E-02	mg/kg	U	N	ND	1.00E-02	3.35E-02
LCMS/MS HIGH EXPLOSIVES	WST16-13-29794	0	<1	03/27/2013	2691-41-0	HMX	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	N/A	Pentachlorodibenzofurans (Totals)	7.14E-06	mg/kg		Y	7.14E-06	7.14E-06	
LCMS/MS HIGH EXPLOSIVES	WST16-13-29794	0	<1	03/27/2013	3058-38-6	TATB	1.00E+00	mg/kg	U	N	ND	3.00E-01	1.00E+00
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	5.63E-04	mg/kg		Y	5.63E-04	5.63E-04	1.00E-05
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	N/A	Hexachlorodibenzodioxins (Total)	4.27E-05	mg/kg		Y	4.27E-05	4.27E-05	
LCMS/MS HIGH EXPLOSIVES	WST16-13-29794	0	<1	03/27/2013	35572-78-2	Amino-4,6-dinitrotoluene[2-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	9.21E-05	mg/kg		Y	9.21E-05	9.21E-05	5.10E-06
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	N/A	Pentachlorodibenzodioxins (Total)	2.05E-06	mg/kg	J	Y	2.05E-06	2.05E-06	
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	N/A	Heptachlorodibenzodioxins (Total)	1.62E-04	mg/kg		Y	1.62E-04	1.62E-04	
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	N/A	Heptachlorodibenzofurans (Total)	7.24E-05	mg/kg		Y	7.24E-05	7.24E-05	
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	6.17E-05	mg/kg		Y	6.17E-05	6.17E-05	1.00E-05
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	2.45E-06	mg/kg	J	Y	2.45E-06	2.45E-06	5.10E-06
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	6.20E-07	mg/kg	J	Y	6.20E-07	6.20E-07	5.10E-06
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	N/A	Tetrachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	3.38E-07	
LCMS/MS HIGH EXPLOSIVES	WST16-13-29794	0	<1	03/27/2013	479-45-8	Tetryl	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	50-32-8	Benzo(a)pyrene	3.35E-02	mg/kg	U	N	ND	1.00E-02	3.35E-02
SVOC	WST16-13-29794	0	<1	03/27/2013	51-28-5	Dinitrophenol[2,4-]	6.70E-01	mg/kg	U	N	ND	1.00E-01	6.70E-01
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	2.37E-07	mg/kg	U	N	ND	3.38E-07	1.00E-06
SVOC	WST16-13-29794	0	<1	03/27/2013	53-70-3	Dibenz(a,h)anthracene	3.35E-02	mg/kg	U	N	ND	1.00E-02	3.35E-02
SVOC	WST16-13-29794	0	<1	03/27/2013	534-52-1	Dinitro-2-methylphenol[4,6-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	541-73-1	Dichlorobenzene[1,3-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.97E-06	mg/kg	J	Y	1.97E-06	1.97E-06	5.10E-06
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	N/A	Hexachlorodibenzofurans (Total)	3.90E-05	mg/kg		Y	3.90E-05	3.90E-05	
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	N/A	Tetrachlorodibenzofurans (Totals)	1.03E-06	mg/kg		Y	1.03E-06	1.03E-06	
SVOC	WST16-13-29794	0	<1	03/27/2013	56-55-3	Benzo(a)anthracene	3.35E-02	mg/kg	U	N	ND	1.00E-02	3.35E-02
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	5.06E-07	mg/kg	U	N	ND	1.69E-06	5.10E-06

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	5.06E-07	mg/kg	U	N	ND	1.69E-06	5.10E-06
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	1.87E-06	mg/kg	J	Y	1.87E-06	1.87E-06	5.10E-06
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.76E-06	mg/kg	J	Y	4.76E-06	4.76E-06	5.10E-06
SVOC	WST16-13-29794	0	<1	03/27/2013	59-50-7	Chloro-3-methylphenol[4-]	3.35E-01	mg/kg	U	N	ND	1.34E-01	3.35E-01
LCMS/MS HIGH EXPLOSIVES	WST16-13-29794	0	<1	03/27/2013	59229-75-3	2,6-Diamino-4-nitrotoluene	2.00E+00	mg/kg	U	N	ND	6.60E-01	2.00E+00
SVOC	WST16-13-29794	0	<1	03/27/2013	606-20-2	Dinitrotoluene[2,6-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
LCMS/MS HIGH EXPLOSIVES	WST16-13-29794	0	<1	03/27/2013	606-20-2	Dinitrotoluene[2,6-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	2.21E-06	mg/kg	J	Y	2.21E-06	2.21E-06	5.10E-06
LCMS/MS HIGH EXPLOSIVES	WST16-13-29794	0	<1	03/27/2013	618-87-1	3,5-Dinitroaniline	1.00E+00	mg/kg	U	N	ND	3.00E-01	1.00E+00
SVOC	WST16-13-29794	0	<1	03/27/2013	62-53-3	Aniline	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	62-75-9	Nitrosodimethylamine[N-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	621-64-7	Nitroso-di-n-propylamine[N-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	65-85-0	Benzoic Acid	6.70E-01	mg/kg	U	N	ND	1.67E-01	6.70E-01
LCMS/MS HIGH EXPLOSIVES	WST16-13-29794	0	<1	03/27/2013	6629-29-4	2,4-Diamino-6-nitrotoluene	2.00E+00	mg/kg	U	N	ND	5.00E-01	2.00E+00
SVOC	WST16-13-29794	0	<1	03/27/2013	67-72-1	Hexachloroethane	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	3.96E-05	mg/kg		Y	3.96E-05	3.96E-05	5.10E-06
SVOC	WST16-13-29794	0	<1	03/27/2013	7005-72-3	Chlorophenyl-phenyl[4-] Ether	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.15E-06	mg/kg	J	Y	1.15E-06	1.15E-06	5.10E-06
DIOXINS FURANS	WST16-13-29794	0	<1	03/27/2013	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	5.06E-07	mg/kg	U	N	ND	1.69E-06	5.10E-06
SVOC	WST16-13-29794	0	<1	03/27/2013	77-47-4	Hexachlorocyclopentadiene	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
LCMS/MS HIGH EXPLOSIVES	WST16-13-29794	0	<1	03/27/2013	78-11-5	PETN	1.00E+00	mg/kg	U	N	ND	2.50E-01	1.00E+00
LCMS/MS HIGH EXPLOSIVES	WST16-13-29794	0	<1	03/27/2013	78-30-8	Tris (o-cresyl) phosphate	1.00E+00	mg/kg	U	N	ND	3.00E-01	1.00E+00
SVOC	WST16-13-29794	0	<1	03/27/2013	78-59-1	Isophorone	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	83-32-9	Acenaphthene	3.35E-02	mg/kg	U	N	ND	1.00E-02	3.35E-02
SVOC	WST16-13-29794	0	<1	03/27/2013	84-66-2	Diethylphthalate	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	84-74-2	Di-n-butylphthalate	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	85-01-8	Phenanthrene	3.35E-02	mg/kg	U	N	ND	1.00E-02	3.35E-02
SVOC	WST16-13-29794	0	<1	03/27/2013	85-68-7	Butylbenzylphthalate	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	86-73-7	Fluorene	3.35E-02	mg/kg	U	N	ND	1.00E-02	3.35E-02
SVOC	WST16-13-29794	0	<1	03/27/2013	87-68-3	Hexachlorobutadiene	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	87-86-5	Pentachlorophenol	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	88-06-2	Trichlorophenol[2,4,6-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
LCMS/MS HIGH EXPLOSIVES	WST16-13-29794	0	<1	03/27/2013	88-72-2	Nitrotoluene[2-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	88-74-4	Nitroaniline[2-]	3.35E-01	mg/kg	U	N	ND	1.11E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	88-75-5	Nitrophenol[2-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	91-20-3	Naphthalene	3.35E-02	mg/kg	U	N	ND	1.00E-02	3.35E-02
SVOC	WST16-13-29794	0	<1	03/27/2013	91-57-6	Methylnaphthalene[2-]	3.35E-02	mg/kg	U	N	ND	1.00E-02	3.35E-02
SVOC	WST16-13-29794	0	<1	03/27/2013	91-58-7	Chloronaphthalene[2-]	3.35E-02	mg/kg	U	N	ND	1.00E-02	3.35E-02
SVOC	WST16-13-29794	0	<1	03/27/2013	91-94-1	Dichlorobenzidine[3,3'-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	95-48-7	Methylphenol[2-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	95-50-1	Dichlorobenzene[1,2-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	95-57-8	Chlorophenol[2-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	95-95-4	Trichlorophenol[2,4,5-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	98-95-3	Nitrobenzene	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
LCMS/MS HIGH EXPLOSIVES	WST16-13-29794	0	<1	03/27/2013	98-95-3	Nitrobenzene	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	WST16-13-29794	0	<1	03/27/2013	99-08-1	Nitrotoluene[3-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	WST16-13-29794	0	<1	03/27/2013	99-09-2	Nitroaniline[3-]	3.35E-01	mg/kg	U	N	ND	1.00E-01	3.35E-01
LCMS/MS HIGH EXPLOSIVES	WST16-13-29794	0	<1	03/27/2013	99-35-4	Trinitrobenzene[1,3,5-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	WST16-13-29794	0	<1	03/27/2013	99-65-0	Dinitrobenzene[1,3-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	WST16-13-29794	0	<1	03/27/2013	99-99-0	Nitrotoluene[4-]	5.00E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
INORGANIC	WST16-13-29794	0	<1	03/27/2013	Ag	Silver	1.64E-01	mg/kg	J	Y	1.64E-01	1.64E-01	5.00E-01
INORGANIC	WST16-13-29794	0	<1	03/27/2013	Al	Aluminum	4.87E+03	mg/kg		Y	4.87E+03	4.87E+03	2.00E+01
INORGANIC	WST16-13-29794	0	<1	03/27/2013	As	Arsenic	1.70E+00	mg/kg		Y	1.70E+00	1.70E+00	9.87E-01
INORGANIC	WST16-13-29794	0	<1	03/27/2013	Ba	Barium	1.23E+02	mg/kg		Y	1.23E+02	1.23E+02	5.00E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
INORGANIC	WST16-13-29794	0	<1	03/27/2013	Be	Beryllium	6.35E-01	mg/kg		Y	6.35E-01	6.35E-01	9.87E-02
INORGANIC	WST16-13-29794	0	<1	03/27/2013	Ca	Calcium	1.93E+03	mg/kg	N	Y	1.93E+03	1.93E+03	2.50E+01
INORGANIC	WST16-13-29794	0	<1	03/27/2013	Cd	Cadmium	5.00E-01	mg/kg	U	N	ND	1.00E-01	5.00E-01
LCMS/MS PERCHLORATE	WST16-13-29794	0	<1	03/27/2013	ClO4	Perchlorate	2.02E-03	mg/kg	U	N	ND	5.04E-04	2.02E-03
INORGANIC	WST16-13-29794	0	<1	03/27/2013	Co	Cobalt	2.81E+00	mg/kg		Y	2.81E+00	2.81E+00	5.00E-01
INORGANIC	WST16-13-29794	0	<1	03/27/2013	Cr	Chromium	5.48E+00	mg/kg		Y	5.48E+00	5.48E+00	5.00E-01
INORGANIC	WST16-13-29794	0	<1	03/27/2013	Cu	Copper	5.78E+00	mg/kg		Y	5.78E+00	5.78E+00	1.00E+00
INORGANIC	WST16-13-29794	0	<1	03/27/2013	Fe	Iron	1.11E+04	mg/kg		Y	1.11E+04	1.11E+04	2.50E+01
INORGANIC	WST16-13-29794	0	<1	03/27/2013	Hg	Mercury	8.90E-03	mg/kg	J	Y	8.90E-03	8.90E-03	1.21E-02
INORGANIC	WST16-13-29794	0	<1	03/27/2013	K	Potassium	1.49E+03	mg/kg		Y	1.49E+03	1.49E+03	2.50E+01
INORGANIC	WST16-13-29794	0	<1	03/27/2013	Mg	Magnesium	1.17E+03	mg/kg		Y	1.17E+03	1.17E+03	3.00E+01
INORGANIC	WST16-13-29794	0	<1	03/27/2013	Mn	Manganese	2.31E+02	mg/kg		Y	2.31E+02	2.31E+02	1.00E+00
INORGANIC	WST16-13-29794	0	<1	03/27/2013	Na	Sodium	1.05E+02	mg/kg		Y	1.05E+02	1.05E+02	2.50E+01
INORGANIC	WST16-13-29794	0	<1	03/27/2013	Ni	Nickel	5.46E+00	mg/kg		Y	5.46E+00	5.46E+00	3.95E-01
INORGANIC	WST16-13-29794	0	<1	03/27/2013	Pb	Lead	8.91E+00	mg/kg		Y	8.91E+00	8.91E+00	1.00E+00
INORGANIC	WST16-13-29794	0	<1	03/27/2013	Sb	Antimony	6.66E-01	mg/kg	J	Y	6.66E-01	6.66E-01	1.00E+00
INORGANIC	WST16-13-29794	0	<1	03/27/2013	Se	Selenium	9.87E-01	mg/kg	U	N	ND	3.26E-01	9.87E-01
INORGANIC	WST16-13-29794	0	<1	03/27/2013	Tl	Thallium	2.66E-01	mg/kg	J	Y	2.66E-01	2.66E-01	3.95E-01
INORGANIC	WST16-13-29794	0	<1	03/27/2013	V	Vanadium	1.58E+01	mg/kg		Y	1.58E+01	1.58E+01	5.00E-01
INORGANIC	WST16-13-29794	0	<1	03/27/2013	Zn	Zinc	2.95E+01	mg/kg		Y	2.95E+01	2.95E+01	1.00E+00
SVOC	WST16-19-181361	0	<1	05/07/2019	100-01-6	Nitroaniline[4-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
SVOC	WST16-19-181361	0	<1	05/07/2019	100-02-7	Nitrophenol[4-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
VOC	WST16-19-181361	0	<1	05/07/2019	100-41-4	Ethylbenzene	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	100-42-5	Styrene	6.38E-04	mg/kg	BJ	N	ND	3.37E-04	1.01E-03
SVOC	WST16-19-181361	0	<1	05/07/2019	100-51-6	Benzyl Alcohol	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
VOC	WST16-19-181361	0	<1	05/07/2019	10061-01-5	Dichloropropene[cis-1,3-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	10061-02-6	Dichloropropene[trans-1,3-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
SVOC	WST16-19-181361	0	<1	05/07/2019	101-55-3	Bromophenyl-phenylether[4-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
SVOC	WST16-19-181361	0	<1	05/07/2019	103-33-3	Azobenzene	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
VOC	WST16-19-181361	0	<1	05/07/2019	103-65-1	Propylbenzene[1-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	104-51-8	Butylbenzene[n-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
SVOC	WST16-19-181361	0	<1	05/07/2019	105-67-9	Dimethylphenol[2,4-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
VOC	WST16-19-181361	0	<1	05/07/2019	106-43-4	Chlorotoluene[4-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	106-46-7	Dichlorobenzene[1,4-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
SVOC	WST16-19-181361	0	<1	05/07/2019	106-46-7	Dichlorobenzene[1,4-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
SVOC	WST16-19-181361	0	<1	05/07/2019	106-47-8	Chloroaniline[4-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
VOC	WST16-19-181361	0	<1	05/07/2019	106-93-4	Dibromoethane[1,2-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	107-06-2	Dichloroethane[1,2-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	108-10-1	Methyl-2-pentanone[4-]	1.69E-03	mg/kg	U	N	ND	1.69E-03	5.07E-03
SVOC	WST16-19-181361	0	<1	05/07/2019	108-60-1	Oxybis(1-chloropropane)[2,2'-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
VOC	WST16-19-181361	0	<1	05/07/2019	108-67-8	Trimethylbenzene[1,3,5-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	108-86-1	Bromobenzene	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	108-88-3	Toluene	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	108-90-7	Chlorobenzene	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
SVOC	WST16-19-181361	0	<1	05/07/2019	108-95-2	Phenol	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
SVOC	WST16-19-181361	0	<1	05/07/2019	110-86-1	Pyridine	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
SVOC	WST16-19-181361	0	<1	05/07/2019	111-44-4	Bis(2-chloroethyl)ether	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
SVOC	WST16-19-181361	0	<1	05/07/2019	111-91-1	Bis(2-chloroethoxy)methane	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
SVOC	WST16-19-181361	0	<1	05/07/2019	117-81-7	Bis(2-ethylhexyl)phthalate	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	117-84-0	Di-n-octylphthalate	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	118-74-1	Hexachlorobenzene	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
LCMS/MS HIGH EXPLOSIVES	WST16-19-181361	0	<1	05/07/2019	118-96-7	Trinitrotoluene[2,4,6-]	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	120-12-7	Anthracene	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	120-82-1	Trichlorobenzene[1,2,4-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	WST16-19-181361	0	<1	05/07/2019	120-83-2	Dichlorophenol[2,4-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
SVOC	WST16-19-181361	0	<1	05/07/2019	121-14-2	Dinitrotoluene[2,4-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
LCMS/MS HIGH EXPLOSIVES	WST16-19-181361	0	<1	05/07/2019	121-14-2	Dinitrotoluene[2,4-]	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181361	0	<1	05/07/2019	121-82-4	RDX	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	122-39-4	Diphenylamine	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
VOC	WST16-19-181361	0	<1	05/07/2019	124-48-1	Chlorodibromomethane	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	127-18-4	Tetrachloroethene	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
SVOC	WST16-19-181361	0	<1	05/07/2019	129-00-0	Pyrene	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	131-11-3	Dimethyl Phthalate	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	132-64-9	Dibenzofuran	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
VOC	WST16-19-181361	0	<1	05/07/2019	135-98-8	Butylbenzene[sec-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	142-28-9	Dichloropropane[1,3-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	156-59-2	Dichloroethene[cis-1,2-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	156-60-5	Dichloroethene[trans-1,2-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	1.82E-07	mg/kg	U	N	ND	3.10E-07	9.30E-07
SVOC	WST16-19-181361	0	<1	05/07/2019	191-24-2	Benzo(g,h,i)perylene	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	193-39-5	Indeno(1,2,3-cd)pyrene	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181361	0	<1	05/07/2019	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.04E-06	mg/kg	JK	Y	1.04E-06	1.04E-06	4.70E-06
SVOC	WST16-19-181361	0	<1	05/07/2019	205-99-2	Benzo(b)fluoranthene	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	206-44-0	Fluoranthene	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	207-08-9	Benzo(k)fluoranthene	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	208-96-8	Acenaphthylene	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	218-01-9	Chrysene	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181361	0	<1	05/07/2019	2691-41-0	HMX	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	N/A	Pentachlorodibenzofurans (Totals)	7.03E-06	mg/kg	J	Y	7.03E-06	7.03E-06	
LCMS/MS HIGH EXPLOSIVES	WST16-19-181361	0	<1	05/07/2019	3058-38-6	TATB	1.16E+01	mg/kg		Y	1.16E+01	1.16E+01	2.50E+00
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.26E-04	mg/kg		Y	1.26E-04	1.26E-04	9.30E-06
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	N/A	Hexachlorodibenzodioxins (Total)	1.07E-05	mg/kg	J	Y	1.07E-05	1.07E-05	
LCMS/MS HIGH EXPLOSIVES	WST16-19-181361	0	<1	05/07/2019	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	2.15E-05	mg/kg		Y	2.15E-05	2.15E-05	4.70E-06
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	N/A	Pentachlorodibenzodioxins (Total)	2.02E-06	mg/kg	J	Y	2.02E-06	2.02E-06	
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	N/A	Heptachlorodibenzodioxins (Total)	4.35E-05	mg/kg		Y	4.35E-05	4.35E-05	
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	N/A	Heptachlorodibenzofurans (Total)	1.81E-05	mg/kg	J	Y	1.81E-05	1.81E-05	
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.45E-05	mg/kg		Y	1.45E-05	1.45E-05	9.30E-06
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	7.03E-07	mg/kg	J	Y	7.03E-07	7.03E-07	4.70E-06
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.65E-07	mg/kg	U	N	ND	1.55E-06	4.70E-06
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	N/A	Tetrachlorodibenzodioxins (Total)	1.90E-07	mg/kg	BJ	N	ND	NV	
SVOC	WST16-19-181361	0	<1	05/07/2019	50-32-8	Benzo(a)pyrene	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	51-28-5	Dinitrophenol[2,4-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	3.37E+00
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	5.04E-07	mg/kg	BJK	N	ND	3.10E-07	9.30E-07
SVOC	WST16-19-181361	0	<1	05/07/2019	53-70-3	Dibenz(a,h)anthracene	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	534-52-1	Dinitro-2-methylphenol[4,6-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
VOC	WST16-19-181361	0	<1	05/07/2019	541-73-1	Dichlorobenzene[1,3-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
SVOC	WST16-19-181361	0	<1	05/07/2019	541-73-1	Dichlorobenzene[1,3-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	5.71E-07	mg/kg	J	Y	5.71E-07	5.71E-07	4.70E-06
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	N/A	Hexachlorodibenzofurans (Total)	1.23E-05	mg/kg	J	Y	1.23E-05	1.23E-05	
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	N/A	Tetrachlorodibenzofurans (Totals)	1.57E-06	mg/kg	BJ	N	ND	NV	
VOC	WST16-19-181361	0	<1	05/07/2019	56-23-5	Carbon Tetrachloride	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
SVOC	WST16-19-181361	0	<1	05/07/2019	56-55-3	Benzo(a)anthracene	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01
VOC	WST16-19-181361	0	<1	05/07/2019	563-58-6	Dichloropropene[1,1-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.65E-07	mg/kg	U	N	ND	1.55E-06	4.70E-06
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	6.81E-07	mg/kg	J	Y	6.81E-07	6.81E-07	4.70E-06
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	7.59E-07	mg/kg	J	Y	7.59E-07	7.59E-07	4.70E-06

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	1.13E-06	mg/kg	JK	Y	1.13E-06	1.13E-06	4.70E-06
SVOC	WST16-19-181361	0	<1	05/07/2019	59-50-7	Chloro-3-methylphenol[4-]	6.73E-01	mg/kg	U	N	ND	6.73E-01	1.68E+00
VOC	WST16-19-181361	0	<1	05/07/2019	591-78-6	Hexanone[2-]	1.69E-03	mg/kg	U	N	ND	1.69E-03	5.07E-03
LCMS/MS HIGH EXPLOSIVES	WST16-19-181361	0	<1	05/07/2019	59229-75-3	2,6-Diamino-4-nitrotoluene	6.60E-01	mg/kg	U	N	ND	6.60E-01	2.00E+00
VOC	WST16-19-181361	0	<1	05/07/2019	594-20-7	Dichloropropane[2,2-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
SVOC	WST16-19-181361	0	<1	05/07/2019	606-20-2	Dinitrotoluene[2,6-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
LCMS/MS HIGH EXPLOSIVES	WST16-19-181361	0	<1	05/07/2019	606-20-2	Dinitrotoluene[2,6-]	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.03E-06	mg/kg	J	Y	1.03E-06	1.03E-06	4.70E-06
LCMS/MS HIGH EXPLOSIVES	WST16-19-181361	0	<1	05/07/2019	618-87-1	3,5-Dinitroaniline	3.00E-01	mg/kg	U	N	ND	3.00E-01	1.00E+00
SVOC	WST16-19-181361	0	<1	05/07/2019	62-53-3	Aniline	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
SVOC	WST16-19-181361	0	<1	05/07/2019	62-75-9	Nitrosodimethylamine[N-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
SVOC	WST16-19-181361	0	<1	05/07/2019	621-64-7	Nitroso-di-n-propylamine[N-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
VOC	WST16-19-181361	0	<1	05/07/2019	630-20-6	Tetrachloroethane[1,1,1,2-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
SVOC	WST16-19-181361	0	<1	05/07/2019	65-85-0	Benzoic Acid	8.41E-01	mg/kg	U	N	ND	8.41E-01	3.37E+00
SVOC	WST16-19-181361	0	<1	05/07/2019	65794-96-9	Methylphenol[3-,4-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
LCMS/MS HIGH EXPLOSIVES	WST16-19-181361	0	<1	05/07/2019	6629-29-4	2,4-Diamino-6-nitrotoluene	5.00E-01	mg/kg	U	N	ND	5.00E-01	2.00E+00
VOC	WST16-19-181361	0	<1	05/07/2019	67-64-1	Acetone	1.69E-03	mg/kg	U	N	ND	1.69E-03	5.07E-03
VOC	WST16-19-181361	0	<1	05/07/2019	67-66-3	Chloroform	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
SVOC	WST16-19-181361	0	<1	05/07/2019	67-72-1	Hexachloroethane	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	9.10E-06	mg/kg		Y	9.10E-06	9.10E-06	4.70E-06
SVOC	WST16-19-181361	0	<1	05/07/2019	7005-72-3	Chlorophenyl-phenyl[4-] Ether	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	8.72E-07	mg/kg	J	Y	8.72E-07	8.72E-07	4.70E-06
VOC	WST16-19-181361	0	<1	05/07/2019	71-43-2	Benzene	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	71-55-6	Trichloroethane[1,1,1-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
DIOXINS FURANS	WST16-19-181361	0	<1	05/07/2019	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.65E-07	mg/kg	U	N	ND	1.55E-06	4.70E-06
VOC	WST16-19-181361	0	<1	05/07/2019	74-83-9	Bromomethane	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	74-87-3	Chloromethane	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	74-88-4	Iodomethane	1.69E-03	mg/kg	U	N	ND	1.69E-03	5.07E-03
VOC	WST16-19-181361	0	<1	05/07/2019	74-95-3	Dibromomethane	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	74-97-5	Bromochloromethane	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	75-00-3	Chloroethane	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	75-01-4	Vinyl Chloride	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	75-09-2	Methylene Chloride	1.69E-03	mg/kg	U	N	ND	1.69E-03	5.07E-03
VOC	WST16-19-181361	0	<1	05/07/2019	75-15-0	Carbon Disulfide	1.69E-03	mg/kg	U	N	ND	1.69E-03	5.07E-03
VOC	WST16-19-181361	0	<1	05/07/2019	75-25-2	Bromoform	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	75-27-4	Bromodichloromethane	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	75-34-3	Dichloroethane[1,1-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	75-35-4	Dichloroethene[1,1-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	75-69-4	Trichlorofluoromethane	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	75-71-8	Dichlorodifluoromethane	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.69E-03	mg/kg	U	N	ND	1.69E-03	5.07E-03
SVOC	WST16-19-181361	0	<1	05/07/2019	77-47-4	Hexachlorocyclopentadiene	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
LCMS/MS HIGH EXPLOSIVES	WST16-19-181361	0	<1	05/07/2019	78-11-5	PETN	2.50E-01	mg/kg	U	N	ND	2.50E-01	1.00E+00
LCMS/MS HIGH EXPLOSIVES	WST16-19-181361	0	<1	05/07/2019	78-30-8	Tris (o-cresyl) phosphate	3.00E-01	mg/kg	U	N	ND	3.00E-01	1.00E+00
SVOC	WST16-19-181361	0	<1	05/07/2019	78-59-1	Isophorone	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
VOC	WST16-19-181361	0	<1	05/07/2019	78-87-5	Dichloropropane[1,2-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	78-93-3	Butanone[2-]	1.69E-03	mg/kg	U	N	ND	1.69E-03	5.07E-03
VOC	WST16-19-181361	0	<1	05/07/2019	79-00-5	Trichloroethane[1,1,2-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	79-01-6	Trichloroethene	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	79-34-5	Tetrachloroethane[1,1,2,2-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
SVOC	WST16-19-181361	0	<1	05/07/2019	83-32-9	Acenaphthene	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	84-66-2	Diethylphthalate	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	84-74-2	Di-n-butylphthalate	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	85-01-8	Phenanthrene	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	WST16-19-181361	0	<1	05/07/2019	85-68-7	Butylbenzylphthalate	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	86-73-7	Fluorene	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	87-68-3	Hexachlorobutadiene	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
SVOC	WST16-19-181361	0	<1	05/07/2019	87-86-5	Pentachlorophenol	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
SVOC	WST16-19-181361	0	<1	05/07/2019	88-06-2	Trichlorophenol[2,4,6-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
LCMS/MS HIGH EXPLOSIVES	WST16-19-181361	0	<1	05/07/2019	88-72-2	Nitrotoluene[2-]	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	88-74-4	Nitroaniline[2-]	5.55E-01	mg/kg	U	N	ND	5.55E-01	1.68E+00
SVOC	WST16-19-181361	0	<1	05/07/2019	88-75-5	Nitrophenol[2-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
SVOC	WST16-19-181361	0	<1	05/07/2019	91-20-3	Naphthalene	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	91-57-6	Methylnaphthalene[2-]	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	91-58-7	Chloronaphthalene[2-]	5.05E-02	mg/kg	U	N	ND	5.05E-02	1.68E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	91-94-1	Dichlorobenzidine[3,3'-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
VOC	WST16-19-181361	0	<1	05/07/2019	95-47-6	Xylene[1,2-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
SVOC	WST16-19-181361	0	<1	05/07/2019	95-48-7	Methylphenol[2-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
VOC	WST16-19-181361	0	<1	05/07/2019	95-49-8	Chlorotoluene[2-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	95-50-1	Dichlorobenzene[1,2-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
SVOC	WST16-19-181361	0	<1	05/07/2019	95-50-1	Dichlorobenzene[1,2-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
SVOC	WST16-19-181361	0	<1	05/07/2019	95-57-8	Chlorophenol[2-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
VOC	WST16-19-181361	0	<1	05/07/2019	95-63-6	Trimethylbenzene[1,2,4-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
SVOC	WST16-19-181361	0	<1	05/07/2019	95-95-4	Trichlorophenol[2,4,5-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
VOC	WST16-19-181361	0	<1	05/07/2019	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.07E-04	mg/kg	U	N	ND	5.07E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	96-18-4	Trichloropropane[1,2,3-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	98-06-6	Butylbenzene[tert-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
VOC	WST16-19-181361	0	<1	05/07/2019	98-82-8	Isopropylbenzene	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
SVOC	WST16-19-181361	0	<1	05/07/2019	98-95-3	Nitrobenzene	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
LCMS/MS HIGH EXPLOSIVES	WST16-19-181361	0	<1	05/07/2019	98-95-3	Nitrobenzene	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181361	0	<1	05/07/2019	99-08-1	Nitrotoluene[3-]	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	WST16-19-181361	0	<1	05/07/2019	99-09-2	Nitroaniline[3-]	5.05E-01	mg/kg	U	N	ND	5.05E-01	1.68E+00
LCMS/MS HIGH EXPLOSIVES	WST16-19-181361	0	<1	05/07/2019	99-35-4	Trinitrobenzene[1,3,5-]	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181361	0	<1	05/07/2019	99-65-0	Dinitrobenzene[1,3-]	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
VOC	WST16-19-181361	0	<1	05/07/2019	99-87-6	Isopropyltoluene[4-]	3.37E-04	mg/kg	U	N	ND	3.37E-04	1.01E-03
LCMS/MS HIGH EXPLOSIVES	WST16-19-181361	0	<1	05/07/2019	99-99-0	Nitrotoluene[4-]	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
INORGANIC	WST16-19-181361	0	<1	05/07/2019	Ag	Silver	4.32E+00	mg/kg		Y	4.32E+00	4.32E+00	4.89E-01
INORGANIC	WST16-19-181361	0	<1	05/07/2019	Al	Aluminum	3.20E+03	mg/kg	E*	Y	3.20E+03	3.20E+03	1.96E+01
INORGANIC	WST16-19-181361	0	<1	05/07/2019	As	Arsenic	1.52E+00	mg/kg		Y	1.52E+00	1.52E+00	9.99E-01
INORGANIC	WST16-19-181361	0	<1	05/07/2019	Ba	Barium	3.73E+02	mg/kg	E*	Y	3.73E+02	3.73E+02	4.96E-01
INORGANIC	WST16-19-181361	0	<1	05/07/2019	Be	Beryllium	2.78E-01	mg/kg		Y	2.78E-01	2.78E-01	9.99E-02
INORGANIC	WST16-19-181361	0	<1	05/07/2019	Ca	Calcium	1.10E+03	mg/kg	N*	Y	1.10E+03	1.10E+03	2.48E+01
INORGANIC	WST16-19-181361	0	<1	05/07/2019	Cd	Cadmium	9.78E-02	mg/kg	U	N	ND	9.78E-02	4.89E-01
LCMS/MS PERCHLORATE	WST16-19-181361	0	<1	05/07/2019	ClO4	Perchlorate	5.02E-04	mg/kg	U	N	ND	5.02E-04	2.01E-03
INORGANIC	WST16-19-181361	0	<1	05/07/2019	Co	Cobalt	1.39E+00	mg/kg		Y	1.39E+00	1.39E+00	4.96E-01
INORGANIC	WST16-19-181361	0	<1	05/07/2019	Cr	Chromium	4.16E+00	mg/kg	*	Y	4.16E+00	4.16E+00	9.78E-01
INORGANIC	WST16-19-181361	0	<1	05/07/2019	Cu	Copper	7.20E+00	mg/kg		Y	7.20E+00	7.20E+00	1.96E+00
INORGANIC	WST16-19-181361	0	<1	05/07/2019	Fe	Iron	4.19E+03	mg/kg	*	Y	4.19E+03	4.19E+03	2.48E+01
INORGANIC	WST16-19-181361	0	<1	05/07/2019	Hg	Mercury	3.68E-03	mg/kg	J	Y	3.68E-03	3.68E-03	1.07E-02
INORGANIC	WST16-19-181361	0	<1	05/07/2019	K	Potassium	8.22E+02	mg/kg	*	Y	8.22E+02	8.22E+02	2.45E+01
INORGANIC	WST16-19-181361	0	<1	05/07/2019	Mg	Magnesium	8.79E+02	mg/kg	E	Y	8.79E+02	8.79E+02	2.93E+01
INORGANIC	WST16-19-181361	0	<1	05/07/2019	Mn	Manganese	1.43E+02	mg/kg	N*	Y	1.43E+02	1.43E+02	9.91E-01
INORGANIC	WST16-19-181361	0	<1	05/07/2019	Na	Sodium	9.39E+01	mg/kg		Y	9.39E+01	9.39E+01	2.45E+01
INORGANIC	WST16-19-181361	0	<1	05/07/2019	Ni	Nickel	3.69E+00	mg/kg		Y	3.69E+00	3.69E+00	4.00E-01
GENERAL CHEMISTRY	WST16-19-181361	0	<1	05/07/2019	NO3	Nitrate	1.07E+00	mg/kg		Y	1.07E+00	1.07E+00	9.47E-01
INORGANIC	WST16-19-181361	0	<1	05/07/2019	Pb	Lead	8.19E+00	mg/kg	*	Y	8.19E+00	8.19E+00	1.96E+00
INORGANIC	WST16-19-181361	0	<1	05/07/2019	Sb	Antimony	3.23E-01	mg/kg	U	N	ND	3.23E-01	1.96E+00
INORGANIC	WST16-19-181361	0	<1	05/07/2019	Se	Selenium	9.58E-01	mg/kg	J	Y	9.58E-01	9.58E-01	9.99E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
GENERAL CHEMISTRY	WST16-19-181361	0	<1	05/07/2019	TEMP	Temperature	4.00E+00	deg C		Y	4.00E+00	4.00E-06	
GENERAL CHEMISTRY	WST16-19-181361	0	<1	05/07/2019	TEMP	Temperature	2.00E+00	deg C		Y	2.00E+00	2.00E-06	
INORGANIC	WST16-19-181361	0	<1	05/07/2019	Tl	Thallium	1.40E-01	mg/kg	U	N	ND	1.40E-01	4.00E-01
DRO	WST16-19-181361	0	<1	05/07/2019	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range C	1.44E+01	mg/kg		Y	1.44E+01	1.44E+01	6.74E+00
GRO	WST16-19-181361	0	<1	05/07/2019	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Rang	1.80E-02	mg/kg	U	N	ND	1.80E-02	1.08E-01
INORGANIC	WST16-19-181361	0	<1	05/07/2019	V	Vanadium	6.99E+00	mg/kg		Y	6.99E+00	6.99E+00	4.89E-01
VOC	WST16-19-181361	0	<1	05/07/2019	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	6.76E-04	mg/kg	U	N	ND	6.76E-04	2.03E-03
INORGANIC	WST16-19-181361	0	<1	05/07/2019	Zn	Zinc	6.90E+01	mg/kg		Y	6.90E+01	6.90E+01	1.96E+00
SVOC	WST16-19-181362	0	<1	05/07/2019	100-01-6	Nitroaniline[4-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
SVOC	WST16-19-181362	0	<1	05/07/2019	100-02-7	Nitrophenol[4-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
VOC	WST16-19-181362	0	<1	05/07/2019	100-41-4	Ethylbenzene	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	100-42-5	Styrene	7.10E-04	mg/kg	BJ	N	ND	3.81E-04	1.15E-03
SVOC	WST16-19-181362	0	<1	05/07/2019	100-51-6	Benzyl Alcohol	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
VOC	WST16-19-181362	0	<1	05/07/2019	10061-01-5	Dichloropropene[cis-1,3-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	10061-02-6	Dichloropropene[trans-1,3-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
SVOC	WST16-19-181362	0	<1	05/07/2019	101-55-3	Bromophenyl-phenylether[4-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
SVOC	WST16-19-181362	0	<1	05/07/2019	103-33-3	Azobenzene	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
VOC	WST16-19-181362	0	<1	05/07/2019	103-65-1	Propylbenzene[1-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	104-51-8	Butylbenzene[n-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
SVOC	WST16-19-181362	0	<1	05/07/2019	105-67-9	Dimethylphenol[2,4-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
VOC	WST16-19-181362	0	<1	05/07/2019	106-43-4	Chlorotoluene[4-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	106-46-7	Dichlorobenzene[1,4-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
SVOC	WST16-19-181362	0	<1	05/07/2019	106-46-7	Dichlorobenzene[1,4-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
SVOC	WST16-19-181362	0	<1	05/07/2019	106-47-8	Chloroaniline[4-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
VOC	WST16-19-181362	0	<1	05/07/2019	106-93-4	Dibromoethane[1,2-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	107-06-2	Dichloroethane[1,2-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	108-10-1	Methyl-2-pentanone[4-]	1.91E-03	mg/kg	U	N	ND	1.91E-03	5.73E-03
SVOC	WST16-19-181362	0	<1	05/07/2019	108-60-1	Oxybis(1-chloropropane)[2,2'-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
VOC	WST16-19-181362	0	<1	05/07/2019	108-67-8	Trimethylbenzene[1,3,5-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	108-86-1	Bromobenzene	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	108-88-3	Toluene	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	108-90-7	Chlorobenzene	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
SVOC	WST16-19-181362	0	<1	05/07/2019	108-95-2	Phenol	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
SVOC	WST16-19-181362	0	<1	05/07/2019	110-86-1	Pyridine	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
SVOC	WST16-19-181362	0	<1	05/07/2019	111-44-4	Bis(2-chloroethyl)ether	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
SVOC	WST16-19-181362	0	<1	05/07/2019	111-91-1	Bis(2-chloroethoxy)methane	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
SVOC	WST16-19-181362	0	<1	05/07/2019	117-81-7	Bis(2-ethylhexyl)phthalate	2.17E-02	mg/kg	J	Y	2.17E-02	2.17E-02	3.81E-02
SVOC	WST16-19-181362	0	<1	05/07/2019	117-84-0	Di-n-octylphthalate	1.14E-02	mg/kg	U	N	ND	1.14E-02	3.81E-02
SVOC	WST16-19-181362	0	<1	05/07/2019	118-74-1	Hexachlorobenzene	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181362	0	<1	05/07/2019	118-96-7	Trinitrotoluene[2,4,6-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
SVOC	WST16-19-181362	0	<1	05/07/2019	120-12-7	Anthracene	1.14E-02	mg/kg	U	N	ND	1.14E-02	3.81E-02
SVOC	WST16-19-181362	0	<1	05/07/2019	120-82-1	Trichlorobenzene[1,2,4-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
SVOC	WST16-19-181362	0	<1	05/07/2019	120-83-2	Dichlorophenol[2,4-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
SVOC	WST16-19-181362	0	<1	05/07/2019	121-14-2	Dinitrotoluene[2,4-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181362	0	<1	05/07/2019	121-14-2	Dinitrotoluene[2,4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181362	0	<1	05/07/2019	121-82-4	RDX	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
SVOC	WST16-19-181362	0	<1	05/07/2019	122-39-4	Diphenylamine	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
VOC	WST16-19-181362	0	<1	05/07/2019	124-48-1	Chlorodibromomethane	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	127-18-4	Tetrachloroethene	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
SVOC	WST16-19-181362	0	<1	05/07/2019	129-00-0	Pyrene	1.14E-02	mg/kg	U	N	ND	1.14E-02	3.81E-02
SVOC	WST16-19-181362	0	<1	05/07/2019	131-11-3	Dimethyl Phthalate	1.14E-02	mg/kg	U	N	ND	1.14E-02	3.81E-02
SVOC	WST16-19-181362	0	<1	05/07/2019	132-64-9	Dibenzofuran	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
VOC	WST16-19-181362	0	<1	05/07/2019	135-98-8	Butylbenzene[sec-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	142-28-9	Dichloropropane[1,3-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	WST16-19-181362	0	<1	05/07/2019	156-59-2	Dichloroethene[cis-1,2-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	156-60-5	Dichloroethene[trans-1,2-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	2.10E-07	mg/kg	JK	Y	2.10E-07	2.10E-07	9.50E-07
SVOC	WST16-19-181362	0	<1	05/07/2019	191-24-2	Benzo(g,h,i)perylene	1.14E-02	mg/kg	U	N	ND	1.14E-02	3.81E-02
SVOC	WST16-19-181362	0	<1	05/07/2019	193-39-5	Indeno(1,2,3-cd)pyrene	1.14E-02	mg/kg	U	N	ND	1.14E-02	3.81E-02
LCMS/MS HIGH EXPLOSIVES	WST16-19-181362	0	<1	05/07/2019	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	7.43E-07	mg/kg	J	Y	7.43E-07	7.43E-07	4.70E-06
SVOC	WST16-19-181362	0	<1	05/07/2019	205-99-2	Benzo(b)fluoranthene	1.14E-02	mg/kg	U	N	ND	1.14E-02	3.81E-02
SVOC	WST16-19-181362	0	<1	05/07/2019	206-44-0	Fluoranthene	1.14E-02	mg/kg	U	N	ND	1.14E-02	3.81E-02
SVOC	WST16-19-181362	0	<1	05/07/2019	207-08-9	Benzo(k)fluoranthene	1.14E-02	mg/kg	U	N	ND	1.14E-02	3.81E-02
SVOC	WST16-19-181362	0	<1	05/07/2019	208-96-8	Acenaphthylene	1.14E-02	mg/kg	U	N	ND	1.14E-02	3.81E-02
SVOC	WST16-19-181362	0	<1	05/07/2019	218-01-9	Chrysene	1.14E-02	mg/kg	U	N	ND	1.14E-02	3.81E-02
LCMS/MS HIGH EXPLOSIVES	WST16-19-181362	0	<1	05/07/2019	2691-41-0	HMX	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	N/A	Pentachlorodibenzofurans (Totals)	3.04E-06	mg/kg	J	Y	3.04E-06	3.04E-06	
LCMS/MS HIGH EXPLOSIVES	WST16-19-181362	0	<1	05/07/2019	3058-38-6	TATB	8.24E-01	mg/kg	J	Y	8.24E-01	8.24E-01	9.90E-01
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.71E-04	mg/kg		Y	1.71E-04	1.71E-04	9.50E-06
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	N/A	Hexachlorodibenzodioxins (Total)	1.51E-05	mg/kg	J	Y	1.51E-05	1.51E-05	
LCMS/MS HIGH EXPLOSIVES	WST16-19-181362	0	<1	05/07/2019	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	2.40E-05	mg/kg		Y	2.40E-05	2.40E-05	4.70E-06
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	N/A	Pentachlorodibenzodioxins (Total)	2.33E-06	mg/kg	J	Y	2.33E-06	2.33E-06	
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	N/A	Heptachlorodibenzodioxins (Total)	7.55E-05	mg/kg		Y	7.55E-05	7.55E-05	
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	N/A	Heptachlorodibenzofurans (Total)	1.77E-05	mg/kg		Y	1.77E-05	1.77E-05	
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.93E-05	mg/kg		Y	1.93E-05	1.93E-05	9.50E-06
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	5.72E-07	mg/kg	J	Y	5.72E-07	5.72E-07	4.70E-06
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.74E-07	mg/kg	U	N	ND	1.58E-06	4.70E-06
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	N/A	Tetrachlorodibenzodioxins (Total)	3.27E-06	mg/kg	J	Y	3.27E-06	3.27E-06	
SVOC	WST16-19-181362	0	<1	05/07/2019	50-32-8	Benzo(a)pyrene	1.14E-02	mg/kg	U	N	ND	1.14E-02	3.81E-02
SVOC	WST16-19-181362	0	<1	05/07/2019	51-28-5	Dinitrophenol[2,4-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	7.62E-01
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	4.72E-07	mg/kg	BJK	N	ND	3.16E-07	9.50E-07
SVOC	WST16-19-181362	0	<1	05/07/2019	53-70-3	Dibenz(a,h)anthracene	1.14E-02	mg/kg	U	N	ND	1.14E-02	3.81E-02
SVOC	WST16-19-181362	0	<1	05/07/2019	534-52-1	Dinitro-2-methylphenol[4,6-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
VOC	WST16-19-181362	0	<1	05/07/2019	541-73-1	Dichlorobenzene[1,3-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
SVOC	WST16-19-181362	0	<1	05/07/2019	541-73-1	Dichlorobenzene[1,3-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.74E-07	mg/kg	U	N	ND	1.58E-06	4.70E-06
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	N/A	Hexachlorodibenzofurans (Total)	5.09E-06	mg/kg	J	Y	5.09E-06	5.09E-06	
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	N/A	Tetrachlorodibenzofurans (Totals)	2.59E-06	mg/kg	J	Y	2.59E-06	2.59E-06	
VOC	WST16-19-181362	0	<1	05/07/2019	56-23-5	Carbon Tetrachloride	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
SVOC	WST16-19-181362	0	<1	05/07/2019	56-55-3	Benzo(a)anthracene	1.14E-02	mg/kg	U	N	ND	1.14E-02	3.81E-02
VOC	WST16-19-181362	0	<1	05/07/2019	563-58-6	Dichloropropene[1,1-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.74E-07	mg/kg	U	N	ND	1.58E-06	4.70E-06
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	8.34E-07	mg/kg	J	Y	8.34E-07	8.34E-07	4.70E-06
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.74E-07	mg/kg	U	N	ND	1.58E-06	4.70E-06
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	8.53E-07	mg/kg	J	Y	8.53E-07	8.53E-07	4.70E-06
SVOC	WST16-19-181362	0	<1	05/07/2019	59-50-7	Chloro-3-methylphenol[4-]	1.52E-01	mg/kg	U	N	ND	1.52E-01	3.81E-01
VOC	WST16-19-181362	0	<1	05/07/2019	591-78-6	Hexanone[2-]	1.91E-03	mg/kg	U	N	ND	1.91E-03	5.73E-03
LCMS/MS HIGH EXPLOSIVES	WST16-19-181362	0	<1	05/07/2019	59229-75-3	2,6-Diamino-4-nitrotoluene	6.53E-01	mg/kg	U	N	ND	6.53E-01	1.98E+00
VOC	WST16-19-181362	0	<1	05/07/2019	594-20-7	Dichloropropane[2,2-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
SVOC	WST16-19-181362	0	<1	05/07/2019	606-20-2	Dinitrotoluene[2,6-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181362	0	<1	05/07/2019	606-20-2	Dinitrotoluene[2,6-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.74E-07	mg/kg	U	N	ND	1.58E-06	4.70E-06
LCMS/MS HIGH EXPLOSIVES	WST16-19-181362	0	<1	05/07/2019	618-87-1	3,5-Dinitroaniline	2.97E-01	mg/kg	U	N	ND	2.97E-01	9.90E-01
SVOC	WST16-19-181362	0	<1	05/07/2019	62-53-3	Aniline	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
SVOC	WST16-19-181362	0	<1	05/07/2019	62-75-9	Nitrosodimethylamine[N-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
SVOC	WST16-19-181362	0	<1	05/07/2019	621-64-7	Nitroso-di-n-propylamine[N-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	WST16-19-181362	0	<1	05/07/2019	630-20-6	Tetrachloroethane[1,1,1,2-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
SVOC	WST16-19-181362	0	<1	05/07/2019	65-85-0	Benzoic Acid	1.91E-01	mg/kg	U	N	ND	1.91E-01	7.62E-01
SVOC	WST16-19-181362	0	<1	05/07/2019	65794-96-9	Methylphenol[3-,4-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181362	0	<1	05/07/2019	6629-29-4	2,4-Diamino-6-nitrotoluene	4.95E-01	mg/kg	U	N	ND	4.95E-01	1.98E+00
VOC	WST16-19-181362	0	<1	05/07/2019	67-64-1	Acetone	1.91E-03	mg/kg	U	N	ND	1.91E-03	5.73E-03
VOC	WST16-19-181362	0	<1	05/07/2019	67-66-3	Chloroform	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
SVOC	WST16-19-181362	0	<1	05/07/2019	67-72-1	Hexachloroethane	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	5.40E-06	mg/kg		Y	5.40E-06	5.40E-06	4.70E-06
SVOC	WST16-19-181362	0	<1	05/07/2019	7005-72-3	Chlorophenyl-phenyl[4-] Ether	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	8.57E-07	mg/kg	J	Y	8.57E-07	8.57E-07	4.70E-06
VOC	WST16-19-181362	0	<1	05/07/2019	71-43-2	Benzene	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	71-55-6	Trichloroethane[1,1,1-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
DIOXINS FURANS	WST16-19-181362	0	<1	05/07/2019	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.74E-07	mg/kg	U	N	ND	1.58E-06	4.70E-06
VOC	WST16-19-181362	0	<1	05/07/2019	74-83-9	Bromomethane	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	74-87-3	Chloromethane	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	74-88-4	Iodomethane	1.91E-03	mg/kg	U	N	ND	1.91E-03	5.73E-03
VOC	WST16-19-181362	0	<1	05/07/2019	74-95-3	Dibromomethane	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	74-97-5	Bromochloromethane	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	75-00-3	Chloroethane	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	75-01-4	Vinyl Chloride	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	75-09-2	Methylene Chloride	1.91E-03	mg/kg	U	N	ND	1.91E-03	5.73E-03
VOC	WST16-19-181362	0	<1	05/07/2019	75-15-0	Carbon Disulfide	1.91E-03	mg/kg	U	N	ND	1.91E-03	5.73E-03
VOC	WST16-19-181362	0	<1	05/07/2019	75-25-2	Bromoform	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	75-27-4	Bromodichloromethane	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	75-34-3	Dichloroethane[1,1-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	75-35-4	Dichloroethene[1,1-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	75-69-4	Trichlorofluoromethane	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	75-71-8	Dichlorodifluoromethane	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.91E-03	mg/kg	U	N	ND	1.91E-03	5.73E-03
SVOC	WST16-19-181362	0	<1	05/07/2019	77-47-4	Hexachlorocyclopentadiene	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181362	0	<1	05/07/2019	78-11-5	PETN	2.48E-01	mg/kg	U	N	ND	2.48E-01	9.90E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181362	0	<1	05/07/2019	78-30-8	Tris (o-cresyl) phosphate	2.97E-01	mg/kg	U	N	ND	2.97E-01	9.90E-01
SVOC	WST16-19-181362	0	<1	05/07/2019	78-59-1	Isophorone	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
VOC	WST16-19-181362	0	<1	05/07/2019	78-87-5	Dichloropropane[1,2-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	78-93-3	Butanone[2-]	1.91E-03	mg/kg	U	N	ND	1.91E-03	5.73E-03
VOC	WST16-19-181362	0	<1	05/07/2019	79-00-5	Trichloroethane[1,1,2-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	79-01-6	Trichloroethene	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	79-34-5	Tetrachloroethane[1,1,2,2-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
SVOC	WST16-19-181362	0	<1	05/07/2019	83-32-9	Acenaphthene	1.14E-02	mg/kg	U	N	ND	1.14E-02	3.81E-02
SVOC	WST16-19-181362	0	<1	05/07/2019	84-66-2	Diethylphthalate	1.14E-02	mg/kg	U	N	ND	1.14E-02	3.81E-02
SVOC	WST16-19-181362	0	<1	05/07/2019	84-74-2	Di-n-butylphthalate	1.14E-02	mg/kg	U	N	ND	1.14E-02	3.81E-02
SVOC	WST16-19-181362	0	<1	05/07/2019	85-01-8	Phenanthrene	1.14E-02	mg/kg	U	N	ND	1.14E-02	3.81E-02
SVOC	WST16-19-181362	0	<1	05/07/2019	85-68-7	Butylbenzylphthalate	1.14E-02	mg/kg	U	N	ND	1.14E-02	3.81E-02
SVOC	WST16-19-181362	0	<1	05/07/2019	86-73-7	Fluorene	1.14E-02	mg/kg	U	N	ND	1.14E-02	3.81E-02
SVOC	WST16-19-181362	0	<1	05/07/2019	87-68-3	Hexachlorobutadiene	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
SVOC	WST16-19-181362	0	<1	05/07/2019	87-86-5	Pentachlorophenol	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
SVOC	WST16-19-181362	0	<1	05/07/2019	88-06-2	Trichlorophenol[2,4,6-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181362	0	<1	05/07/2019	88-72-2	Nitrotoluene[2-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
SVOC	WST16-19-181362	0	<1	05/07/2019	88-74-4	Nitroaniline[2-]	1.26E-01	mg/kg	U	N	ND	1.26E-01	3.81E-01
SVOC	WST16-19-181362	0	<1	05/07/2019	88-75-5	Nitrophenol[2-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
SVOC	WST16-19-181362	0	<1	05/07/2019	91-20-3	Naphthalene	1.14E-02	mg/kg	U	N	ND	1.14E-02	3.81E-02
SVOC	WST16-19-181362	0	<1	05/07/2019	91-57-6	Methylnaphthalene[2-]	1.14E-02	mg/kg	U	N	ND	1.14E-02	3.81E-02
SVOC	WST16-19-181362	0	<1	05/07/2019	91-58-7	Chloronaphthalene[2-]	1.14E-02	mg/kg	U	N	ND	1.14E-02	3.81E-02
SVOC	WST16-19-181362	0	<1	05/07/2019	91-94-1	Dichlorobenzidine[3,3'-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	WST16-19-181362	0	<1	05/07/2019	95-47-6	Xylene[1,2-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
SVOC	WST16-19-181362	0	<1	05/07/2019	95-48-7	Methylphenol[2-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
VOC	WST16-19-181362	0	<1	05/07/2019	95-49-8	Chlorotoluene[2-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	95-50-1	Dichlorobenzene[1,2-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
SVOC	WST16-19-181362	0	<1	05/07/2019	95-50-1	Dichlorobenzene[1,2-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
SVOC	WST16-19-181362	0	<1	05/07/2019	95-57-8	Chlorophenol[2-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
VOC	WST16-19-181362	0	<1	05/07/2019	95-63-6	Trimethylbenzene[1,2,4-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
SVOC	WST16-19-181362	0	<1	05/07/2019	95-95-4	Trichlorophenol[2,4,5-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
VOC	WST16-19-181362	0	<1	05/07/2019	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.73E-04	mg/kg	U	N	ND	5.73E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	96-18-4	Trichloropropane[1,2,3-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	98-06-6	Butylbenzene[tert-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
VOC	WST16-19-181362	0	<1	05/07/2019	98-82-8	Isopropylbenzene	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
SVOC	WST16-19-181362	0	<1	05/07/2019	98-95-3	Nitrobenzene	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181362	0	<1	05/07/2019	98-95-3	Nitrobenzene	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181362	0	<1	05/07/2019	99-08-1	Nitrotoluene[3-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
SVOC	WST16-19-181362	0	<1	05/07/2019	99-09-2	Nitroaniline[3-]	1.14E-01	mg/kg	U	N	ND	1.14E-01	3.81E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181362	0	<1	05/07/2019	99-35-4	Trinitrobenzene[1,3,5-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181362	0	<1	05/07/2019	99-65-0	Dinitrobenzene[1,3-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
VOC	WST16-19-181362	0	<1	05/07/2019	99-87-6	Isopropyltoluene[4-]	3.81E-04	mg/kg	U	N	ND	3.81E-04	1.15E-03
LCMS/MS HIGH EXPLOSIVES	WST16-19-181362	0	<1	05/07/2019	99-99-0	Nitrotoluene[4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.95E-01
INORGANIC	WST16-19-181362	0	<1	05/07/2019	Ag	Silver	3.00E-01	mg/kg	J	Y	3.00E-01	3.00E-01	5.59E-01
INORGANIC	WST16-19-181362	0	<1	05/07/2019	Al	Aluminum	3.95E+03	mg/kg	E*	Y	3.95E+03	3.95E+03	2.24E+01
INORGANIC	WST16-19-181362	0	<1	05/07/2019	As	Arsenic	2.11E+00	mg/kg		Y	2.11E+00	2.11E+00	1.11E+00
INORGANIC	WST16-19-181362	0	<1	05/07/2019	Ba	Barium	1.09E+03	mg/kg	E*	Y	1.09E+03	1.09E+03	5.49E-01
INORGANIC	WST16-19-181362	0	<1	05/07/2019	Be	Beryllium	5.61E-01	mg/kg		Y	5.61E-01	5.61E-01	1.11E-01
INORGANIC	WST16-19-181362	0	<1	05/07/2019	Ca	Calcium	1.23E+03	mg/kg	N*	Y	1.23E+03	1.23E+03	2.75E+01
INORGANIC	WST16-19-181362	0	<1	05/07/2019	Cd	Cadmium	1.12E-01	mg/kg	U	N	ND	1.12E-01	5.59E-01
LCMS/MS PERCHLORATE	WST16-19-181362	0	<1	05/07/2019	ClO4	Perchlorate	5.67E-04	mg/kg	U	N	ND	5.67E-04	2.27E-03
INORGANIC	WST16-19-181362	0	<1	05/07/2019	Co	Cobalt	1.02E+00	mg/kg		Y	1.02E+00	1.02E+00	5.49E-01
INORGANIC	WST16-19-181362	0	<1	05/07/2019	Cr	Chromium	5.28E+00	mg/kg	*	Y	5.28E+00	5.28E+00	1.12E+00
INORGANIC	WST16-19-181362	0	<1	05/07/2019	Cu	Copper	1.01E+01	mg/kg		Y	1.01E+01	1.01E+01	2.24E+00
INORGANIC	WST16-19-181362	0	<1	05/07/2019	Fe	Iron	5.16E+03	mg/kg	*	Y	5.16E+03	5.16E+03	2.75E+01
INORGANIC	WST16-19-181362	0	<1	05/07/2019	Hg	Mercury	1.60E-02	mg/kg		Y	1.60E-02	1.60E-02	1.19E-02
INORGANIC	WST16-19-181362	0	<1	05/07/2019	K	Potassium	6.84E+02	mg/kg	*	Y	6.84E+02	6.84E+02	2.80E+01
INORGANIC	WST16-19-181362	0	<1	05/07/2019	Mg	Magnesium	1.38E+03	mg/kg	E	Y	1.38E+03	1.38E+03	3.35E+01
INORGANIC	WST16-19-181362	0	<1	05/07/2019	Mn	Manganese	1.49E+02	mg/kg	N*	Y	1.49E+02	1.49E+02	1.10E+00
INORGANIC	WST16-19-181362	0	<1	05/07/2019	Na	Sodium	9.86E+01	mg/kg		Y	9.86E+01	9.86E+01	2.80E+01
INORGANIC	WST16-19-181362	0	<1	05/07/2019	Ni	Nickel	3.30E+00	mg/kg		Y	3.30E+00	3.30E+00	4.42E-01
GENERAL CHEMISTRY	WST16-19-181362	0	<1	05/07/2019	NO3	Nitrate	3.15E+00	mg/kg		Y	3.15E+00	3.15E+00	1.08E+00
INORGANIC	WST16-19-181362	0	<1	05/07/2019	Pb	Lead	8.38E+00	mg/kg	*	Y	8.38E+00	8.38E+00	2.24E+00
INORGANIC	WST16-19-181362	0	<1	05/07/2019	Sb	Antimony	3.69E-01	mg/kg	U	N	ND	3.69E-01	2.24E+00
INORGANIC	WST16-19-181362	0	<1	05/07/2019	Se	Selenium	1.92E+00	mg/kg		Y	1.92E+00	1.92E+00	1.11E+00
GENERAL CHEMISTRY	WST16-19-181362	0	<1	05/07/2019	TEMP	Temperature	4.00E+00	deg C		Y	4.00E+00	4.00E-06	
GENERAL CHEMISTRY	WST16-19-181362	0	<1	05/07/2019	TEMP	Temperature	2.00E+00	deg C		Y	2.00E+00	2.00E-06	
INORGANIC	WST16-19-181362	0	<1	05/07/2019	Tl	Thallium	1.55E-01	mg/kg	U	N	ND	1.55E-01	4.42E-01
DRO	WST16-19-181362	0	<1	05/07/2019	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range C	8.52E+00	mg/kg		Y	8.52E+00	8.52E+00	7.63E+00
GRO	WST16-19-181362	0	<1	05/07/2019	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Rang	2.27E-02	mg/kg	U	N	ND	2.27E-02	1.36E-01
INORGANIC	WST16-19-181362	0	<1	05/07/2019	V	Vanadium	1.09E+01	mg/kg		Y	1.09E+01	1.09E+01	5.59E-01
VOC	WST16-19-181362	0	<1	05/07/2019	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	7.64E-04	mg/kg	U	N	ND	7.64E-04	2.29E-03
INORGANIC	WST16-19-181362	0	<1	05/07/2019	Zn	Zinc	5.93E+01	mg/kg		Y	5.93E+01	5.93E+01	2.24E+00
SVOC	WST16-19-181363	0	<1	05/07/2019	100-01-6	Nitroaniline[4-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
SVOC	WST16-19-181363	0	<1	05/07/2019	100-02-7	Nitrophenol[4-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
VOC	WST16-19-181363	0	<1	05/07/2019	100-41-4	Ethylbenzene	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	100-42-5	Styrene	7.57E-04	mg/kg	BJ	N	ND	4.07E-04	1.22E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	WST16-19-181363	0	<1	05/07/2019	100-51-6	Benzyl Alcohol	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
VOC	WST16-19-181363	0	<1	05/07/2019	10061-01-5	Dichloropropene[cis-1,3-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	10061-02-6	Dichloropropene[trans-1,3-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
SVOC	WST16-19-181363	0	<1	05/07/2019	101-55-3	Bromophenyl-phenylether[4-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
SVOC	WST16-19-181363	0	<1	05/07/2019	103-33-3	Azobenzene	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
VOC	WST16-19-181363	0	<1	05/07/2019	103-65-1	Propylbenzene[1-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	104-51-8	Butylbenzene[n-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
SVOC	WST16-19-181363	0	<1	05/07/2019	105-67-9	Dimethylphenol[2,4-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
VOC	WST16-19-181363	0	<1	05/07/2019	106-43-4	Chlorotoluene[4-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	106-46-7	Dichlorobenzene[1,4-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
SVOC	WST16-19-181363	0	<1	05/07/2019	106-46-7	Dichlorobenzene[1,4-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
SVOC	WST16-19-181363	0	<1	05/07/2019	106-47-8	Chloroaniline[4-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
VOC	WST16-19-181363	0	<1	05/07/2019	106-93-4	Dibromoethane[1,2-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	107-06-2	Dichloroethane[1,2-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	108-10-1	Methyl-2-pentanone[4-]	2.04E-03	mg/kg	U	N	ND	2.04E-03	6.10E-03
SVOC	WST16-19-181363	0	<1	05/07/2019	108-60-1	Oxybis(1-chloropropane)[2,2'-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
VOC	WST16-19-181363	0	<1	05/07/2019	108-67-8	Trimethylbenzene[1,3,5-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	108-86-1	Bromobenzene	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	108-88-3	Toluene	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	108-90-7	Chlorobenzene	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
SVOC	WST16-19-181363	0	<1	05/07/2019	108-95-2	Phenol	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
SVOC	WST16-19-181363	0	<1	05/07/2019	110-86-1	Pyridine	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
SVOC	WST16-19-181363	0	<1	05/07/2019	111-44-4	Bis(2-chloroethyl)ether	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
SVOC	WST16-19-181363	0	<1	05/07/2019	111-91-1	Bis(2-chloroethoxy)methane	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
SVOC	WST16-19-181363	0	<1	05/07/2019	117-81-7	Bis(2-ethylhexyl)phthalate	1.34E-02	mg/kg	J	Y	1.34E-02	1.34E-02	4.07E-02
SVOC	WST16-19-181363	0	<1	05/07/2019	117-84-0	Di-n-octylphthalate	1.22E-02	mg/kg	U	N	ND	1.22E-02	4.07E-02
SVOC	WST16-19-181363	0	<1	05/07/2019	118-74-1	Hexachlorobenzene	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181363	0	<1	05/07/2019	118-96-7	Trinitrotoluene[2,4,6-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
SVOC	WST16-19-181363	0	<1	05/07/2019	120-12-7	Anthracene	1.22E-02	mg/kg	U	N	ND	1.22E-02	4.07E-02
SVOC	WST16-19-181363	0	<1	05/07/2019	120-82-1	Trichlorobenzene[1,2,4-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
SVOC	WST16-19-181363	0	<1	05/07/2019	120-83-2	Dichlorophenol[2,4-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
SVOC	WST16-19-181363	0	<1	05/07/2019	121-14-2	Dinitrotoluene[2,4-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181363	0	<1	05/07/2019	121-14-2	Dinitrotoluene[2,4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181363	0	<1	05/07/2019	121-82-4	RDX	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
SVOC	WST16-19-181363	0	<1	05/07/2019	122-39-4	Diphenylamine	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
VOC	WST16-19-181363	0	<1	05/07/2019	124-48-1	Chlorodibromomethane	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	127-18-4	Tetrachloroethene	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
SVOC	WST16-19-181363	0	<1	05/07/2019	129-00-0	Pyrene	1.22E-02	mg/kg	U	N	ND	1.22E-02	4.07E-02
SVOC	WST16-19-181363	0	<1	05/07/2019	131-11-3	Dimethyl Phthalate	1.22E-02	mg/kg	U	N	ND	1.22E-02	4.07E-02
SVOC	WST16-19-181363	0	<1	05/07/2019	132-64-9	Dibenzofuran	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
VOC	WST16-19-181363	0	<1	05/07/2019	135-98-8	Butylbenzene[sec-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	142-28-9	Dichloropropane[1,3-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	156-59-2	Dichloroethene[cis-1,2-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	156-60-5	Dichloroethene[trans-1,2-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	1.97E-07	mg/kg	U	N	ND	3.12E-07	9.40E-07
SVOC	WST16-19-181363	0	<1	05/07/2019	191-24-2	Benzo(g,h,i)perylene	1.22E-02	mg/kg	U	N	ND	1.22E-02	4.07E-02
SVOC	WST16-19-181363	0	<1	05/07/2019	193-39-5	Indeno(1,2,3-cd)pyrene	1.22E-02	mg/kg	U	N	ND	1.22E-02	4.07E-02
LCMS/MS HIGH EXPLOSIVES	WST16-19-181363	0	<1	05/07/2019	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.69E-07	mg/kg	U	N	ND	1.57E-06	4.70E-06
SVOC	WST16-19-181363	0	<1	05/07/2019	205-99-2	Benzo(b)fluoranthene	1.22E-02	mg/kg	U	N	ND	1.22E-02	4.07E-02
SVOC	WST16-19-181363	0	<1	05/07/2019	206-44-0	Fluoranthene	1.22E-02	mg/kg	U	N	ND	1.22E-02	4.07E-02
SVOC	WST16-19-181363	0	<1	05/07/2019	207-08-9	Benzo(k)fluoranthene	1.22E-02	mg/kg	U	N	ND	1.22E-02	4.07E-02
SVOC	WST16-19-181363	0	<1	05/07/2019	208-96-8	Acenaphthylene	1.22E-02	mg/kg	U	N	ND	1.22E-02	4.07E-02
SVOC	WST16-19-181363	0	<1	05/07/2019	218-01-9	Chrysene	1.22E-02	mg/kg	U	N	ND	1.22E-02	4.07E-02

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
LCMS/MS HIGH EXPLOSIVES	WST16-19-181363	0	<1	05/07/2019	2691-41-0	HMX	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	N/A	Pentachlorodibenzofurans (Totals)	0.00E+00	mg/kg	U	N	ND	0.00E+00	
LCMS/MS HIGH EXPLOSIVES	WST16-19-181363	0	<1	05/07/2019	3058-38-6	TATB	2.99E-01	mg/kg	U	N	ND	2.99E-01	9.95E-01
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	4.61E-05	mg/kg		Y	4.61E-05	4.61E-05	9.40E-06
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	N/A	Hexachlorodibenzodioxins (Total)	2.96E-06	mg/kg	J	Y	2.96E-06	2.96E-06	
LCMS/MS HIGH EXPLOSIVES	WST16-19-181363	0	<1	05/07/2019	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	6.19E-06	mg/kg		Y	6.19E-06	6.19E-06	4.70E-06
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	N/A	Pentachlorodibenzodioxins (Total)	5.24E-07	mg/kg	J	Y	5.24E-07	5.24E-07	
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	N/A	Heptachlorodibenzodioxins (Total)	2.09E-05	mg/kg		Y	2.09E-05	2.09E-05	
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	N/A	Heptachlorodibenzofurans (Total)	4.78E-06	mg/kg	J	Y	4.78E-06	4.78E-06	
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	4.89E-06	mg/kg	J	Y	4.89E-06	4.89E-06	9.40E-06
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.69E-07	mg/kg	U	N	ND	1.57E-06	4.70E-06
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.69E-07	mg/kg	U	N	ND	1.57E-06	4.70E-06
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	N/A	Tetrachlorodibenzodioxins (Total)	1.90E-06	mg/kg	J	Y	1.90E-06	1.90E-06	
SVOC	WST16-19-181363	0	<1	05/07/2019	50-32-8	Benzo(a)pyrene	1.22E-02	mg/kg	U	N	ND	1.22E-02	4.07E-02
SVOC	WST16-19-181363	0	<1	05/07/2019	51-28-5	Dinitrophenol[2,4-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	8.14E-01
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	3.36E-07	mg/kg	BJK	N	ND	3.12E-07	9.40E-07
SVOC	WST16-19-181363	0	<1	05/07/2019	53-70-3	Dibenz(a,h)anthracene	1.22E-02	mg/kg	U	N	ND	1.22E-02	4.07E-02
SVOC	WST16-19-181363	0	<1	05/07/2019	534-52-1	Dinitro-2-methylphenol[4,6-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
VOC	WST16-19-181363	0	<1	05/07/2019	541-73-1	Dichlorobenzene[1,3-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
SVOC	WST16-19-181363	0	<1	05/07/2019	541-73-1	Dichlorobenzene[1,3-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.69E-07	mg/kg	U	N	ND	1.57E-06	4.70E-06
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	N/A	Hexachlorodibenzofurans (Total)	5.35E-07	mg/kg	J	Y	5.35E-07	5.35E-07	
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	N/A	Tetrachlorodibenzofurans (Totals)	0.00E+00	mg/kg	U	N	ND	0.00E+00	
VOC	WST16-19-181363	0	<1	05/07/2019	56-23-5	Carbon Tetrachloride	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
SVOC	WST16-19-181363	0	<1	05/07/2019	56-55-3	Benzo(a)anthracene	1.22E-02	mg/kg	U	N	ND	1.22E-02	4.07E-02
VOC	WST16-19-181363	0	<1	05/07/2019	563-58-6	Dichloropropene[1,1-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.69E-07	mg/kg	U	N	ND	1.57E-06	4.70E-06
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	4.69E-07	mg/kg	U	N	ND	1.57E-06	4.70E-06
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.69E-07	mg/kg	U	N	ND	1.57E-06	4.70E-06
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.69E-07	mg/kg	U	N	ND	1.57E-06	4.70E-06
SVOC	WST16-19-181363	0	<1	05/07/2019	59-50-7	Chloro-3-methylphenol[4-]	1.63E-01	mg/kg	U	N	ND	1.63E-01	4.07E-01
VOC	WST16-19-181363	0	<1	05/07/2019	591-78-6	Hexanone[2-]	2.04E-03	mg/kg	U	N	ND	2.04E-03	6.10E-03
LCMS/MS HIGH EXPLOSIVES	WST16-19-181363	0	<1	05/07/2019	59229-75-3	2,6-Diamino-4-nitrotoluene	6.57E-01	mg/kg	U	N	ND	6.57E-01	1.99E+00
VOC	WST16-19-181363	0	<1	05/07/2019	594-20-7	Dichloropropane[2,2-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
SVOC	WST16-19-181363	0	<1	05/07/2019	606-20-2	Dinitrotoluene[2,6-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181363	0	<1	05/07/2019	606-20-2	Dinitrotoluene[2,6-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.69E-07	mg/kg	U	N	ND	1.57E-06	4.70E-06
LCMS/MS HIGH EXPLOSIVES	WST16-19-181363	0	<1	05/07/2019	618-87-1	3,5-Dinitroaniline	2.99E-01	mg/kg	U	N	ND	2.99E-01	9.95E-01
SVOC	WST16-19-181363	0	<1	05/07/2019	62-53-3	Aniline	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
SVOC	WST16-19-181363	0	<1	05/07/2019	62-75-9	Nitrosodimethylamine[N-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
SVOC	WST16-19-181363	0	<1	05/07/2019	621-64-7	Nitroso-di-n-propylamine[N-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
VOC	WST16-19-181363	0	<1	05/07/2019	630-20-6	Tetrachloroethane[1,1,1,2-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
SVOC	WST16-19-181363	0	<1	05/07/2019	65-85-0	Benzoic Acid	2.03E-01	mg/kg	U	N	ND	2.03E-01	8.14E-01
SVOC	WST16-19-181363	0	<1	05/07/2019	65794-96-9	Methylphenol[3-,4-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181363	0	<1	05/07/2019	6629-29-4	2,4-Diamino-6-nitrotoluene	4.98E-01	mg/kg	U	N	ND	4.98E-01	1.99E+00
VOC	WST16-19-181363	0	<1	05/07/2019	67-64-1	Acetone	2.04E-03	mg/kg	U	N	ND	2.04E-03	6.10E-03
VOC	WST16-19-181363	0	<1	05/07/2019	67-66-3	Chloroform	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
SVOC	WST16-19-181363	0	<1	05/07/2019	67-72-1	Hexachloroethane	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	1.22E-06	mg/kg	J	Y	1.22E-06	1.22E-06	4.70E-06
SVOC	WST16-19-181363	0	<1	05/07/2019	7005-72-3	Chlorophenyl-phenyl[4-] Ether	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	4.69E-07	mg/kg	U	N	ND	1.57E-06	4.70E-06
VOC	WST16-19-181363	0	<1	05/07/2019	71-43-2	Benzene	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	71-55-6	Trichloroethane[1,1,1-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
DIOXINS FURANS	WST16-19-181363	0	<1	05/07/2019	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.69E-07	mg/kg	U	N	ND	1.57E-06	4.70E-06
VOC	WST16-19-181363	0	<1	05/07/2019	74-83-9	Bromomethane	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	74-87-3	Chloromethane	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	74-88-4	Iodomethane	2.04E-03	mg/kg	U	N	ND	2.04E-03	6.10E-03
VOC	WST16-19-181363	0	<1	05/07/2019	74-95-3	Dibromomethane	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	74-97-5	Bromochloromethane	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	75-00-3	Chloroethane	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	75-01-4	Vinyl Chloride	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	75-09-2	Methylene Chloride	2.04E-03	mg/kg	U	N	ND	2.04E-03	6.10E-03
VOC	WST16-19-181363	0	<1	05/07/2019	75-15-0	Carbon Disulfide	2.04E-03	mg/kg	U	N	ND	2.04E-03	6.10E-03
VOC	WST16-19-181363	0	<1	05/07/2019	75-25-2	Bromoform	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	75-27-4	Bromodichloromethane	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	75-34-3	Dichloroethane[1,1-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	75-35-4	Dichloroethene[1,1-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	75-69-4	Trichlorofluoromethane	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	75-71-8	Dichlorodifluoromethane	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	2.04E-03	mg/kg	U	N	ND	2.04E-03	6.10E-03
SVOC	WST16-19-181363	0	<1	05/07/2019	77-47-4	Hexachlorocyclopentadiene	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181363	0	<1	05/07/2019	78-11-5	PETN	2.49E-01	mg/kg	U	N	ND	2.49E-01	9.95E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181363	0	<1	05/07/2019	78-30-8	Tris (o-cresyl) phosphate	2.99E-01	mg/kg	U	N	ND	2.99E-01	9.95E-01
SVOC	WST16-19-181363	0	<1	05/07/2019	78-59-1	Isophorone	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
VOC	WST16-19-181363	0	<1	05/07/2019	78-87-5	Dichloropropane[1,2-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	78-93-3	Butanone[2-]	2.04E-03	mg/kg	U	N	ND	2.04E-03	6.10E-03
VOC	WST16-19-181363	0	<1	05/07/2019	79-00-5	Trichloroethane[1,1,2-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	79-01-6	Trichloroethene	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	79-34-5	Tetrachloroethane[1,1,2,2-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
SVOC	WST16-19-181363	0	<1	05/07/2019	83-32-9	Acenaphthene	1.22E-02	mg/kg	U	N	ND	1.22E-02	4.07E-02
SVOC	WST16-19-181363	0	<1	05/07/2019	84-66-2	Diethylphthalate	1.22E-02	mg/kg	U	N	ND	1.22E-02	4.07E-02
SVOC	WST16-19-181363	0	<1	05/07/2019	84-74-2	Di-n-butylphthalate	1.22E-02	mg/kg	U	N	ND	1.22E-02	4.07E-02
SVOC	WST16-19-181363	0	<1	05/07/2019	85-01-8	Phenanthrene	1.22E-02	mg/kg	U	N	ND	1.22E-02	4.07E-02
SVOC	WST16-19-181363	0	<1	05/07/2019	85-68-7	Butylbenzylphthalate	1.22E-02	mg/kg	U	N	ND	1.22E-02	4.07E-02
SVOC	WST16-19-181363	0	<1	05/07/2019	86-73-7	Fluorene	1.22E-02	mg/kg	U	N	ND	1.22E-02	4.07E-02
SVOC	WST16-19-181363	0	<1	05/07/2019	87-68-3	Hexachlorobutadiene	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
SVOC	WST16-19-181363	0	<1	05/07/2019	87-86-5	Pentachlorophenol	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
SVOC	WST16-19-181363	0	<1	05/07/2019	88-06-2	Trichlorophenol[2,4,6-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181363	0	<1	05/07/2019	88-72-2	Nitrotoluene[2-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
SVOC	WST16-19-181363	0	<1	05/07/2019	88-74-4	Nitroaniline[2-]	1.34E-01	mg/kg	U	N	ND	1.34E-01	4.07E-01
SVOC	WST16-19-181363	0	<1	05/07/2019	88-75-5	Nitrophenol[2-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
SVOC	WST16-19-181363	0	<1	05/07/2019	91-20-3	Naphthalene	1.22E-02	mg/kg	U	N	ND	1.22E-02	4.07E-02
SVOC	WST16-19-181363	0	<1	05/07/2019	91-57-6	Methylnaphthalene[2-]	1.22E-02	mg/kg	U	N	ND	1.22E-02	4.07E-02
SVOC	WST16-19-181363	0	<1	05/07/2019	91-58-7	Chloronaphthalene[2-]	1.22E-02	mg/kg	U	N	ND	1.22E-02	4.07E-02
SVOC	WST16-19-181363	0	<1	05/07/2019	91-94-1	Dichlorobenzidine[3,3'-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
VOC	WST16-19-181363	0	<1	05/07/2019	95-47-6	Xylene[1,2-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
SVOC	WST16-19-181363	0	<1	05/07/2019	95-48-7	Methylphenol[2-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
VOC	WST16-19-181363	0	<1	05/07/2019	95-49-8	Chlorotoluene[2-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	95-50-1	Dichlorobenzene[1,2-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
SVOC	WST16-19-181363	0	<1	05/07/2019	95-50-1	Dichlorobenzene[1,2-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
SVOC	WST16-19-181363	0	<1	05/07/2019	95-57-8	Chlorophenol[2-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
VOC	WST16-19-181363	0	<1	05/07/2019	95-63-6	Trimethylbenzene[1,2,4-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
SVOC	WST16-19-181363	0	<1	05/07/2019	95-95-4	Trichlorophenol[2,4,5-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
VOC	WST16-19-181363	0	<1	05/07/2019	96-12-8	Dibromo-3-Chloropropane[1,2-]	6.10E-04	mg/kg	U	N	ND	6.10E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	96-18-4	Trichloropropane[1,2,3-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	98-06-6	Butylbenzene[tert-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
VOC	WST16-19-181363	0	<1	05/07/2019	98-82-8	Isopropylbenzene	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	WST16-19-181363	0	<1	05/07/2019	98-95-3	Nitrobenzene	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181363	0	<1	05/07/2019	98-95-3	Nitrobenzene	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181363	0	<1	05/07/2019	99-08-1	Nitrotoluene[3-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
SVOC	WST16-19-181363	0	<1	05/07/2019	99-09-2	Nitroaniline[3-]	1.22E-01	mg/kg	U	N	ND	1.22E-01	4.07E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181363	0	<1	05/07/2019	99-35-4	Trinitrobenzene[1,3,5-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181363	0	<1	05/07/2019	99-65-0	Dinitrobenzene[1,3-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
VOC	WST16-19-181363	0	<1	05/07/2019	99-87-6	Isopropyltoluene[4-]	4.07E-04	mg/kg	U	N	ND	4.07E-04	1.22E-03
LCMS/MS HIGH EXPLOSIVES	WST16-19-181363	0	<1	05/07/2019	99-99-0	Nitrotoluene[4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
INORGANIC	WST16-19-181363	0	<1	05/07/2019	Ag	Silver	5.83E-01	mg/kg	J	Y	5.83E-01	5.83E-01	5.94E-01
INORGANIC	WST16-19-181363	0	<1	05/07/2019	Al	Aluminum	3.57E+03	mg/kg	E*	Y	3.57E+03	3.57E+03	2.38E+01
INORGANIC	WST16-19-181363	0	<1	05/07/2019	As	Arsenic	2.06E+00	mg/kg		Y	2.06E+00	2.06E+00	1.15E+00
INORGANIC	WST16-19-181363	0	<1	05/07/2019	Ba	Barium	7.19E+02	mg/kg	E*	Y	7.19E+02	7.19E+02	6.00E-01
INORGANIC	WST16-19-181363	0	<1	05/07/2019	Be	Beryllium	5.53E-01	mg/kg		Y	5.53E-01	5.53E-01	1.15E-01
INORGANIC	WST16-19-181363	0	<1	05/07/2019	Ca	Calcium	1.01E+03	mg/kg	N*	Y	1.01E+03	1.01E+03	3.00E+01
INORGANIC	WST16-19-181363	0	<1	05/07/2019	Cd	Cadmium	1.19E-01	mg/kg	U	N	ND	1.19E-01	5.94E-01
LCMS/MS PERCHLORATE	WST16-19-181363	0	<1	05/07/2019	ClO4	Perchlorate	6.10E-04	mg/kg	U	N	ND	6.10E-04	2.44E-03
INORGANIC	WST16-19-181363	0	<1	05/07/2019	Co	Cobalt	2.34E+00	mg/kg		Y	2.34E+00	2.34E+00	6.00E-01
INORGANIC	WST16-19-181363	0	<1	05/07/2019	Cr	Chromium	5.88E+00	mg/kg	*	Y	5.88E+00	5.88E+00	1.19E+00
INORGANIC	WST16-19-181363	0	<1	05/07/2019	Cu	Copper	4.45E+00	mg/kg		Y	4.45E+00	4.45E+00	2.38E+00
INORGANIC	WST16-19-181363	0	<1	05/07/2019	Fe	Iron	5.53E+03	mg/kg	*	Y	5.53E+03	5.53E+03	3.00E+01
INORGANIC	WST16-19-181363	0	<1	05/07/2019	K	Potassium	9.60E+02	mg/kg	*	Y	9.60E+02	9.60E+02	2.97E+01
INORGANIC	WST16-19-181363	0	<1	05/07/2019	Mg	Magnesium	1.20E+03	mg/kg	E	Y	1.20E+03	1.20E+03	3.56E+01
INORGANIC	WST16-19-181363	0	<1	05/07/2019	Mn	Manganese	2.91E+02	mg/kg	N*	Y	2.91E+02	2.91E+02	1.20E+00
INORGANIC	WST16-19-181363	0	<1	05/07/2019	Na	Sodium	1.54E+02	mg/kg		Y	1.54E+02	1.54E+02	2.97E+01
INORGANIC	WST16-19-181363	0	<1	05/07/2019	Ni	Nickel	3.35E+00	mg/kg		Y	3.35E+00	3.35E+00	4.61E-01
INORGANIC	WST16-19-181363	0	<1	05/07/2019	Pb	Lead	5.19E+00	mg/kg	*	Y	5.19E+00	5.19E+00	2.38E+00
INORGANIC	WST16-19-181363	0	<1	05/07/2019	Sb	Antimony	3.92E-01	mg/kg	U	N	ND	3.92E-01	2.38E+00
INORGANIC	WST16-19-181363	0	<1	05/07/2019	Se	Selenium	2.03E+00	mg/kg		Y	2.03E+00	2.03E+00	1.15E+00
GENERAL CHEMISTRY	WST16-19-181363	0	<1	05/07/2019	TEMP	Temperature	4.00E+00	deg C		Y	4.00E+00	4.00E-06	
GENERAL CHEMISTRY	WST16-19-181363	0	<1	05/07/2019	TEMP	Temperature	2.00E+00	deg C		Y	2.00E+00	2.00E-06	
INORGANIC	WST16-19-181363	0	<1	05/07/2019	Tl	Thallium	1.61E-01	mg/kg	U	N	ND	1.61E-01	4.61E-01
DRO	WST16-19-181363	0	<1	05/07/2019	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range C	5.02E+00	mg/kg	J	Y	5.02E+00	5.02E+00	8.12E+00
GRO	WST16-19-181363	0	<1	05/07/2019	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Rang	2.31E-02	mg/kg	U	N	ND	2.31E-02	1.39E-01
INORGANIC	WST16-19-181363	0	<1	05/07/2019	V	Vanadium	8.49E+00	mg/kg		Y	8.49E+00	8.49E+00	5.94E-01
VOC	WST16-19-181363	0	<1	05/07/2019	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	8.14E-04	mg/kg	U	N	ND	8.14E-04	2.44E-03
INORGANIC	WST16-19-181363	0	<1	05/07/2019	Zn	Zinc	4.87E+01	mg/kg		Y	4.87E+01	4.87E+01	2.38E+00
SVOC	WST16-19-181364	0	<1	05/07/2019	100-01-6	Nitroaniline[4-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
SVOC	WST16-19-181364	0	<1	05/07/2019	100-02-7	Nitrophenol[4-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
VOC	WST16-19-181364	0	<1	05/07/2019	100-41-4	Ethylbenzene	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	100-42-5	Styrene	6.68E-04	mg/kg	BJ	N	ND	3.59E-04	1.08E-03
SVOC	WST16-19-181364	0	<1	05/07/2019	100-51-6	Benzyl Alcohol	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
VOC	WST16-19-181364	0	<1	05/07/2019	10061-01-5	Dichloropropene[cis-1,3-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	10061-02-6	Dichloropropene[trans-1,3-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
SVOC	WST16-19-181364	0	<1	05/07/2019	101-55-3	Bromophenyl-phenylether[4-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
SVOC	WST16-19-181364	0	<1	05/07/2019	103-33-3	Azobenzene	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
VOC	WST16-19-181364	0	<1	05/07/2019	103-65-1	Propylbenzene[1-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	104-51-8	Butylbenzene[n-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
SVOC	WST16-19-181364	0	<1	05/07/2019	105-67-9	Dimethylphenol[2,4-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
VOC	WST16-19-181364	0	<1	05/07/2019	106-43-4	Chlorotoluene[4-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	106-46-7	Dichlorobenzene[1,4-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
SVOC	WST16-19-181364	0	<1	05/07/2019	106-46-7	Dichlorobenzene[1,4-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
SVOC	WST16-19-181364	0	<1	05/07/2019	106-47-8	Chloroaniline[4-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
VOC	WST16-19-181364	0	<1	05/07/2019	106-93-4	Dibromoethane[1,2-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	107-06-2	Dichloroethane[1,2-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	WST16-19-181364	0	<1	05/07/2019	108-10-1	Methyl-2-pentanone[4-]	1.80E-03	mg/kg	U	N	ND	1.80E-03	5.39E-03
SVOC	WST16-19-181364	0	<1	05/07/2019	108-60-1	Oxybis(1-chloropropane)[2,2'-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
VOC	WST16-19-181364	0	<1	05/07/2019	108-67-8	Trimethylbenzene[1,3,5-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	108-86-1	Bromobenzene	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	108-88-3	Toluene	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	108-90-7	Chlorobenzene	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
SVOC	WST16-19-181364	0	<1	05/07/2019	108-95-2	Phenol	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
SVOC	WST16-19-181364	0	<1	05/07/2019	110-86-1	Pyridine	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
SVOC	WST16-19-181364	0	<1	05/07/2019	111-44-4	Bis(2-chloroethyl)ether	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
SVOC	WST16-19-181364	0	<1	05/07/2019	111-91-1	Bis(2-chloroethoxy)methane	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
SVOC	WST16-19-181364	0	<1	05/07/2019	117-81-7	Bis(2-ethylhexyl)phthalate	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
SVOC	WST16-19-181364	0	<1	05/07/2019	117-84-0	Di-n-octylphthalate	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
SVOC	WST16-19-181364	0	<1	05/07/2019	118-74-1	Hexachlorobenzene	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181364	0	<1	05/07/2019	118-96-7	Trinitrotoluene[2,4,6-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
SVOC	WST16-19-181364	0	<1	05/07/2019	120-12-7	Anthracene	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
SVOC	WST16-19-181364	0	<1	05/07/2019	120-82-1	Trichlorobenzene[1,2,4-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
SVOC	WST16-19-181364	0	<1	05/07/2019	120-83-2	Dichlorophenol[2,4-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
SVOC	WST16-19-181364	0	<1	05/07/2019	121-14-2	Dinitrotoluene[2,4-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181364	0	<1	05/07/2019	121-14-2	Dinitrotoluene[2,4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181364	0	<1	05/07/2019	121-82-4	RDX	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
SVOC	WST16-19-181364	0	<1	05/07/2019	122-39-4	Diphenylamine	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
VOC	WST16-19-181364	0	<1	05/07/2019	124-48-1	Chlorodibromomethane	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	127-18-4	Tetrachloroethene	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
SVOC	WST16-19-181364	0	<1	05/07/2019	129-00-0	Pyrene	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
SVOC	WST16-19-181364	0	<1	05/07/2019	131-11-3	Dimethyl Phthalate	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
SVOC	WST16-19-181364	0	<1	05/07/2019	132-64-9	Dibenzofuran	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
VOC	WST16-19-181364	0	<1	05/07/2019	135-98-8	Butylbenzene[sec-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	142-28-9	Dichloropropane[1,3-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	156-59-2	Dichloroethene[cis-1,2-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	156-60-5	Dichloroethene[trans-1,2-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	1.62E-07	mg/kg	U	N	ND	3.24E-07	9.70E-07
SVOC	WST16-19-181364	0	<1	05/07/2019	191-24-2	Benzo(g,h,i)perylene	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
SVOC	WST16-19-181364	0	<1	05/07/2019	193-39-5	Indeno(1,2,3-cd)pyrene	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
LCMS/MS HIGH EXPLOSIVES	WST16-19-181364	0	<1	05/07/2019	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	8.50E-06	mg/kg		Y	8.50E-06	8.50E-06	4.90E-06
SVOC	WST16-19-181364	0	<1	05/07/2019	205-99-2	Benzo(b)fluoranthene	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
SVOC	WST16-19-181364	0	<1	05/07/2019	206-44-0	Fluoranthene	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
SVOC	WST16-19-181364	0	<1	05/07/2019	207-08-9	Benzo(k)fluoranthene	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
SVOC	WST16-19-181364	0	<1	05/07/2019	208-96-8	Acenaphthylene	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
SVOC	WST16-19-181364	0	<1	05/07/2019	218-01-9	Chrysene	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
LCMS/MS HIGH EXPLOSIVES	WST16-19-181364	0	<1	05/07/2019	2691-41-0	HMX	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	N/A	Pentachlorodibenzofurans (Totals)	1.12E-05	mg/kg	J	Y	1.12E-05	1.12E-05	
LCMS/MS HIGH EXPLOSIVES	WST16-19-181364	0	<1	05/07/2019	3058-38-6	TATB	2.99E-01	mg/kg	U	N	ND	2.99E-01	9.95E-01
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.13E-03	mg/kg		Y	1.13E-03	1.13E-03	9.70E-06
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	N/A	Hexachlorodibenzodioxins (Total)	7.61E-05	mg/kg	J	Y	7.61E-05	7.61E-05	
LCMS/MS HIGH EXPLOSIVES	WST16-19-181364	0	<1	05/07/2019	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.99E-04	mg/kg		Y	1.99E-04	1.99E-04	4.90E-06
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	N/A	Pentachlorodibenzodioxins (Total)	7.72E-06	mg/kg	J	Y	7.72E-06	7.72E-06	
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	N/A	Heptachlorodibenzodioxins (Total)	3.61E-04	mg/kg		Y	3.61E-04	3.61E-04	
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	N/A	Heptachlorodibenzofurans (Total)	1.24E-04	mg/kg	J	Y	1.24E-04	1.24E-04	
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.17E-04	mg/kg		Y	1.17E-04	1.17E-04	9.70E-06
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.13E-06	mg/kg	J	Y	4.13E-06	4.13E-06	4.90E-06
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	1.53E-06	mg/kg	J	Y	1.53E-06	1.53E-06	4.90E-06
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	N/A	Tetrachlorodibenzodioxins (Total)	4.73E-07	mg/kg	BJ	N	ND	NV	

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	WST16-19-181364	0	<1	05/07/2019	50-32-8	Benzo(a)pyrene	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
SVOC	WST16-19-181364	0	<1	05/07/2019	51-28-5	Dinitrophenol[2,4-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	7.16E-01
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	2.59E-07	mg/kg	BJ	N	ND	3.24E-07	9.70E-07
SVOC	WST16-19-181364	0	<1	05/07/2019	53-70-3	Dibenz(a,h)anthracene	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
SVOC	WST16-19-181364	0	<1	05/07/2019	534-52-1	Dinitro-2-methylphenol[4,6-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
VOC	WST16-19-181364	0	<1	05/07/2019	541-73-1	Dichlorobenzene[1,3-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
SVOC	WST16-19-181364	0	<1	05/07/2019	541-73-1	Dichlorobenzene[1,3-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	3.26E-06	mg/kg	J	Y	3.26E-06	3.26E-06	4.90E-06
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	N/A	Hexachlorodibenzofurans (Total)	5.85E-05	mg/kg	J	Y	5.85E-05	5.85E-05	
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	N/A	Tetrachlorodibenzofurans (Totals)	2.16E-06	mg/kg	J	Y	2.16E-06	2.16E-06	
VOC	WST16-19-181364	0	<1	05/07/2019	56-23-5	Carbon Tetrachloride	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
SVOC	WST16-19-181364	0	<1	05/07/2019	56-55-3	Benzo(a)anthracene	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
VOC	WST16-19-181364	0	<1	05/07/2019	563-58-6	Dichloropropene[1,1-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.87E-07	mg/kg	U	N	ND	1.63E-06	4.90E-06
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	4.87E-07	mg/kg	U	N	ND	1.63E-06	4.90E-06
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	2.57E-06	mg/kg	J	Y	2.57E-06	2.57E-06	4.90E-06
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	7.10E-06	mg/kg		Y	7.10E-06	7.10E-06	4.90E-06
SVOC	WST16-19-181364	0	<1	05/07/2019	59-50-7	Chloro-3-methylphenol[4-]	1.43E-01	mg/kg	U	N	ND	1.43E-01	3.58E-01
VOC	WST16-19-181364	0	<1	05/07/2019	591-78-6	Hexanone[2-]	1.80E-03	mg/kg	U	N	ND	1.80E-03	5.39E-03
LCMS/MS HIGH EXPLOSIVES	WST16-19-181364	0	<1	05/07/2019	59229-75-3	2,6-Diamino-4-nitrotoluene	6.57E-01	mg/kg	U	N	ND	6.57E-01	1.99E+00
VOC	WST16-19-181364	0	<1	05/07/2019	594-20-7	Dichloropropane[2,2-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
SVOC	WST16-19-181364	0	<1	05/07/2019	606-20-2	Dinitrotoluene[2,6-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181364	0	<1	05/07/2019	606-20-2	Dinitrotoluene[2,6-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	3.56E-06	mg/kg	J	Y	3.56E-06	3.56E-06	4.90E-06
LCMS/MS HIGH EXPLOSIVES	WST16-19-181364	0	<1	05/07/2019	618-87-1	3,5-Dinitroaniline	2.99E-01	mg/kg	U	N	ND	2.99E-01	9.95E-01
SVOC	WST16-19-181364	0	<1	05/07/2019	62-53-3	Aniline	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
SVOC	WST16-19-181364	0	<1	05/07/2019	62-75-9	Nitrosodimethylamine[N-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
SVOC	WST16-19-181364	0	<1	05/07/2019	621-64-7	Nitroso-di-n-propylamine[N-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
VOC	WST16-19-181364	0	<1	05/07/2019	630-20-6	Tetrachloroethane[1,1,1,2-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
SVOC	WST16-19-181364	0	<1	05/07/2019	65-85-0	Benzoic Acid	1.79E-01	mg/kg	U	N	ND	1.79E-01	7.16E-01
SVOC	WST16-19-181364	0	<1	05/07/2019	65794-96-9	Methylphenol[3-,4-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181364	0	<1	05/07/2019	6629-29-4	2,4-Diamino-6-nitrotoluene	4.98E-01	mg/kg	U	N	ND	4.98E-01	1.99E+00
VOC	WST16-19-181364	0	<1	05/07/2019	67-64-1	Acetone	1.80E-03	mg/kg	U	N	ND	1.80E-03	5.39E-03
VOC	WST16-19-181364	0	<1	05/07/2019	67-66-3	Chloroform	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
SVOC	WST16-19-181364	0	<1	05/07/2019	67-72-1	Hexachloroethane	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	5.96E-05	mg/kg		Y	5.96E-05	5.96E-05	4.90E-06
SVOC	WST16-19-181364	0	<1	05/07/2019	7005-72-3	Chlorophenyl-phenyl[4-] Ether	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	2.06E-06	mg/kg	J	Y	2.06E-06	2.06E-06	4.90E-06
VOC	WST16-19-181364	0	<1	05/07/2019	71-43-2	Benzene	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	71-55-6	Trichloroethane[1,1,1-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
DIOXINS FURANS	WST16-19-181364	0	<1	05/07/2019	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.87E-07	mg/kg	U	N	ND	1.63E-06	4.90E-06
VOC	WST16-19-181364	0	<1	05/07/2019	74-83-9	Bromomethane	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	74-87-3	Chloromethane	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	74-88-4	Iodomethane	1.80E-03	mg/kg	U	N	ND	1.80E-03	5.39E-03
VOC	WST16-19-181364	0	<1	05/07/2019	74-95-3	Dibromomethane	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	74-97-5	Bromochloromethane	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	75-00-3	Chloroethane	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	75-01-4	Vinyl Chloride	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	75-09-2	Methylene Chloride	1.80E-03	mg/kg	U	N	ND	1.80E-03	5.39E-03
VOC	WST16-19-181364	0	<1	05/07/2019	75-15-0	Carbon Disulfide	1.80E-03	mg/kg	U	N	ND	1.80E-03	5.39E-03
VOC	WST16-19-181364	0	<1	05/07/2019	75-25-2	Bromoform	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	75-27-4	Bromodichloromethane	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	75-34-3	Dichloroethane[1,1-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	75-35-4	Dichloroethene[1,1-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	WST16-19-181364	0	<1	05/07/2019	75-69-4	Trichlorofluoromethane	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	75-71-8	Dichlorodifluoromethane	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.80E-03	mg/kg	U	N	ND	1.80E-03	5.39E-03
SVOC	WST16-19-181364	0	<1	05/07/2019	77-47-4	Hexachlorocyclopentadiene	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181364	0	<1	05/07/2019	78-11-5	PETN	2.49E-01	mg/kg	U	N	ND	2.49E-01	9.95E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181364	0	<1	05/07/2019	78-30-8	Tris (o-cresyl) phosphate	2.99E-01	mg/kg	U	N	ND	2.99E-01	9.95E-01
SVOC	WST16-19-181364	0	<1	05/07/2019	78-59-1	Isophorone	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
VOC	WST16-19-181364	0	<1	05/07/2019	78-87-5	Dichloropropane[1,2-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	78-93-3	Butanone[2-]	1.80E-03	mg/kg	U	N	ND	1.80E-03	5.39E-03
VOC	WST16-19-181364	0	<1	05/07/2019	79-00-5	Trichloroethane[1,1,2-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	79-01-6	Trichloroethene	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	79-34-5	Tetrachloroethane[1,1,2,2-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
SVOC	WST16-19-181364	0	<1	05/07/2019	83-32-9	Acenaphthene	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
SVOC	WST16-19-181364	0	<1	05/07/2019	84-66-2	Diethylphthalate	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
SVOC	WST16-19-181364	0	<1	05/07/2019	84-74-2	Di-n-butylphthalate	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
SVOC	WST16-19-181364	0	<1	05/07/2019	85-01-8	Phenanthrene	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
SVOC	WST16-19-181364	0	<1	05/07/2019	85-68-7	Butylbenzylphthalate	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
SVOC	WST16-19-181364	0	<1	05/07/2019	86-73-7	Fluorene	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
SVOC	WST16-19-181364	0	<1	05/07/2019	87-68-3	Hexachlorobutadiene	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
SVOC	WST16-19-181364	0	<1	05/07/2019	87-86-5	Pentachlorophenol	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
SVOC	WST16-19-181364	0	<1	05/07/2019	88-06-2	Trichlorophenol[2,4,6-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181364	0	<1	05/07/2019	88-72-2	Nitrotoluene[2-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
SVOC	WST16-19-181364	0	<1	05/07/2019	88-74-4	Nitroaniline[2-]	1.18E-01	mg/kg	U	N	ND	1.18E-01	3.58E-01
SVOC	WST16-19-181364	0	<1	05/07/2019	88-75-5	Nitrophenol[2-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
SVOC	WST16-19-181364	0	<1	05/07/2019	91-20-3	Naphthalene	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
SVOC	WST16-19-181364	0	<1	05/07/2019	91-57-6	Methylnaphthalene[2-]	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
SVOC	WST16-19-181364	0	<1	05/07/2019	91-58-7	Chloronaphthalene[2-]	1.07E-02	mg/kg	U	N	ND	1.07E-02	3.58E-02
SVOC	WST16-19-181364	0	<1	05/07/2019	91-94-1	Dichlorobenzidine[3,3'-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
VOC	WST16-19-181364	0	<1	05/07/2019	95-47-6	Xylene[1,2-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
SVOC	WST16-19-181364	0	<1	05/07/2019	95-48-7	Methylphenol[2-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
VOC	WST16-19-181364	0	<1	05/07/2019	95-49-8	Chlorotoluene[2-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	95-50-1	Dichlorobenzene[1,2-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
SVOC	WST16-19-181364	0	<1	05/07/2019	95-50-1	Dichlorobenzene[1,2-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
SVOC	WST16-19-181364	0	<1	05/07/2019	95-57-8	Chlorophenol[2-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
VOC	WST16-19-181364	0	<1	05/07/2019	95-63-6	Trimethylbenzene[1,2,4-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
SVOC	WST16-19-181364	0	<1	05/07/2019	95-95-4	Trichlorophenol[2,4,5-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
VOC	WST16-19-181364	0	<1	05/07/2019	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.39E-04	mg/kg	U	N	ND	5.39E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	96-18-4	Trichloropropane[1,2,3-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	98-06-6	Butylbenzene[tert-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
VOC	WST16-19-181364	0	<1	05/07/2019	98-82-8	Isopropylbenzene	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
SVOC	WST16-19-181364	0	<1	05/07/2019	98-95-3	Nitrobenzene	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181364	0	<1	05/07/2019	98-95-3	Nitrobenzene	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181364	0	<1	05/07/2019	99-08-1	Nitrotoluene[3-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
SVOC	WST16-19-181364	0	<1	05/07/2019	99-09-2	Nitroaniline[3-]	1.07E-01	mg/kg	U	N	ND	1.07E-01	3.58E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181364	0	<1	05/07/2019	99-35-4	Trinitrobenzene[1,3,5-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181364	0	<1	05/07/2019	99-65-0	Dinitrobenzene[1,3-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
VOC	WST16-19-181364	0	<1	05/07/2019	99-87-6	Isopropyltoluene[4-]	3.59E-04	mg/kg	U	N	ND	3.59E-04	1.08E-03
LCMS/MS HIGH EXPLOSIVES	WST16-19-181364	0	<1	05/07/2019	99-99-0	Nitrotoluene[4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
INORGANIC	WST16-19-181364	0	<1	05/07/2019	Ag	Silver	1.04E-01	mg/kg	U	N	ND	1.04E-01	5.22E-01
INORGANIC	WST16-19-181364	0	<1	05/07/2019	Al	Aluminum	5.81E+03	mg/kg	E*	Y	5.81E+03	5.81E+03	2.09E+01
INORGANIC	WST16-19-181364	0	<1	05/07/2019	As	Arsenic	3.32E+00	mg/kg		Y	3.32E+00	3.32E+00	1.04E+00
INORGANIC	WST16-19-181364	0	<1	05/07/2019	Ba	Barium	1.27E+02	mg/kg	E*	Y	1.27E+02	1.27E+02	5.05E-01
INORGANIC	WST16-19-181364	0	<1	05/07/2019	Be	Beryllium	6.79E-01	mg/kg		Y	6.79E-01	6.79E-01	1.04E-01
INORGANIC	WST16-19-181364	0	<1	05/07/2019	Ca	Calcium	9.96E+02	mg/kg	N*	Y	9.96E+02	9.96E+02	2.53E+01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
INORGANIC	WST16-19-181364	0	<1	05/07/2019	Cd	Cadmium	1.04E-01	mg/kg	U	N	ND	1.04E-01	5.22E-01
LCMS/MS PERCHLORATE	WST16-19-181364	0	<1	05/07/2019	ClO4	Perchlorate	5.39E-04	mg/kg	U	N	ND	5.39E-04	2.15E-03
INORGANIC	WST16-19-181364	0	<1	05/07/2019	Co	Cobalt	3.01E+00	mg/kg		Y	3.01E+00	3.01E+00	5.05E-01
INORGANIC	WST16-19-181364	0	<1	05/07/2019	Cr	Chromium	6.49E+00	mg/kg	*	Y	6.49E+00	6.49E+00	1.04E+00
INORGANIC	WST16-19-181364	0	<1	05/07/2019	Cu	Copper	7.40E+00	mg/kg		Y	7.40E+00	7.40E+00	2.09E+00
INORGANIC	WST16-19-181364	0	<1	05/07/2019	Fe	Iron	6.05E+03	mg/kg	*	Y	6.05E+03	6.05E+03	2.53E+01
INORGANIC	WST16-19-181364	0	<1	05/07/2019	Hg	Mercury	1.01E-02	mg/kg	J	Y	1.01E-02	1.01E-02	1.22E-02
INORGANIC	WST16-19-181364	0	<1	05/07/2019	K	Potassium	1.33E+03	mg/kg	*	Y	1.33E+03	1.33E+03	2.61E+01
INORGANIC	WST16-19-181364	0	<1	05/07/2019	Mg	Magnesium	1.38E+03	mg/kg	E	Y	1.38E+03	1.38E+03	3.13E+01
INORGANIC	WST16-19-181364	0	<1	05/07/2019	Mn	Manganese	2.65E+02	mg/kg	N*	Y	2.65E+02	2.65E+02	1.01E+00
INORGANIC	WST16-19-181364	0	<1	05/07/2019	Na	Sodium	7.36E+01	mg/kg		Y	7.36E+01	7.36E+01	2.61E+01
INORGANIC	WST16-19-181364	0	<1	05/07/2019	Ni	Nickel	6.00E+00	mg/kg		Y	6.00E+00	6.00E+00	4.14E-01
INORGANIC	WST16-19-181364	0	<1	05/07/2019	Pb	Lead	8.39E+00	mg/kg	*	Y	8.39E+00	8.39E+00	2.09E+00
INORGANIC	WST16-19-181364	0	<1	05/07/2019	Sb	Antimony	3.45E-01	mg/kg	U	N	ND	3.45E-01	2.09E+00
INORGANIC	WST16-19-181364	0	<1	05/07/2019	Se	Selenium	1.35E+00	mg/kg		Y	1.35E+00	1.35E+00	1.04E+00
GENERAL CHEMISTRY	WST16-19-181364	0	<1	05/07/2019	TEMP	Temperature	4.00E+00	deg C		Y	4.00E+00	4.00E-06	
GENERAL CHEMISTRY	WST16-19-181364	0	<1	05/07/2019	TEMP	Temperature	2.00E+00	deg C		Y	2.00E+00	2.00E-06	
INORGANIC	WST16-19-181364	0	<1	05/07/2019	Tl	Thallium	2.36E-01	mg/kg	J	Y	2.36E-01	2.36E-01	4.14E-01
DRO	WST16-19-181364	0	<1	05/07/2019	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range C	4.22E+00	mg/kg	J	Y	4.22E+00	4.22E+00	7.15E+00
GRO	WST16-19-181364	0	<1	05/07/2019	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Rang	2.04E-02	mg/kg	U	N	ND	2.04E-02	1.22E-01
INORGANIC	WST16-19-181364	0	<1	05/07/2019	V	Vanadium	1.76E+01	mg/kg		Y	1.76E+01	1.76E+01	5.22E-01
VOC	WST16-19-181364	0	<1	05/07/2019	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	7.19E-04	mg/kg	U	N	ND	7.19E-04	2.15E-03
INORGANIC	WST16-19-181364	0	<1	05/07/2019	Zn	Zinc	2.96E+01	mg/kg		Y	2.96E+01	2.96E+01	2.09E+00
SVOC	WST16-19-181365	0	<1	05/07/2019	100-01-6	Nitroaniline[4-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
SVOC	WST16-19-181365	0	<1	05/07/2019	100-02-7	Nitrophenol[4-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
VOC	WST16-19-181365	0	<1	05/07/2019	100-41-4	Ethylbenzene	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	100-42-5	Styrene	7.19E-04	mg/kg	BJ	N	ND	3.86E-04	1.16E-03
SVOC	WST16-19-181365	0	<1	05/07/2019	100-51-6	Benzyl Alcohol	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
VOC	WST16-19-181365	0	<1	05/07/2019	10061-01-5	Dichloropropene[cis-1,3-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	10061-02-6	Dichloropropene[trans-1,3-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
SVOC	WST16-19-181365	0	<1	05/07/2019	101-55-3	Bromophenyl-phenylether[4-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
SVOC	WST16-19-181365	0	<1	05/07/2019	103-33-3	Azobenzene	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
VOC	WST16-19-181365	0	<1	05/07/2019	103-65-1	Propylbenzene[1-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	104-51-8	Butylbenzene[n-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
SVOC	WST16-19-181365	0	<1	05/07/2019	105-67-9	Dimethylphenol[2,4-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
VOC	WST16-19-181365	0	<1	05/07/2019	106-43-4	Chlorotoluene[4-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	106-46-7	Dichlorobenzene[1,4-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
SVOC	WST16-19-181365	0	<1	05/07/2019	106-46-7	Dichlorobenzene[1,4-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
SVOC	WST16-19-181365	0	<1	05/07/2019	106-47-8	Chloroaniline[4-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
VOC	WST16-19-181365	0	<1	05/07/2019	106-93-4	Dibromoethane[1,2-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	107-06-2	Dichloroethane[1,2-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	108-10-1	Methyl-2-pentanone[4-]	1.93E-03	mg/kg	U	N	ND	1.93E-03	5.79E-03
SVOC	WST16-19-181365	0	<1	05/07/2019	108-60-1	Oxybis(1-chloropropane)[2,2'-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
VOC	WST16-19-181365	0	<1	05/07/2019	108-67-8	Trimethylbenzene[1,3,5-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	108-86-1	Bromobenzene	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	108-88-3	Toluene	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	108-90-7	Chlorobenzene	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
SVOC	WST16-19-181365	0	<1	05/07/2019	108-95-2	Phenol	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
SVOC	WST16-19-181365	0	<1	05/07/2019	110-86-1	Pyridine	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
SVOC	WST16-19-181365	0	<1	05/07/2019	111-44-4	Bis(2-chloroethyl)ether	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
SVOC	WST16-19-181365	0	<1	05/07/2019	111-91-1	Bis(2-chloroethoxy)methane	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
SVOC	WST16-19-181365	0	<1	05/07/2019	117-81-7	Bis(2-ethylhexyl)phthalate	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02
SVOC	WST16-19-181365	0	<1	05/07/2019	117-84-0	Di-n-octylphthalate	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02
SVOC	WST16-19-181365	0	<1	05/07/2019	118-74-1	Hexachlorobenzene	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
LCMS/MS HIGH EXPLOSIVES	WST16-19-181365	0	<1	05/07/2019	118-96-7	Trinitrotoluene[2,4,6-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
SVOC	WST16-19-181365	0	<1	05/07/2019	120-12-7	Anthracene	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02
SVOC	WST16-19-181365	0	<1	05/07/2019	120-82-1	Trichlorobenzene[1,2,4-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
SVOC	WST16-19-181365	0	<1	05/07/2019	120-83-2	Dichlorophenol[2,4-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
SVOC	WST16-19-181365	0	<1	05/07/2019	121-14-2	Dinitrotoluene[2,4-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181365	0	<1	05/07/2019	121-14-2	Dinitrotoluene[2,4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181365	0	<1	05/07/2019	121-82-4	RDX	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
SVOC	WST16-19-181365	0	<1	05/07/2019	122-39-4	Diphenylamine	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
VOC	WST16-19-181365	0	<1	05/07/2019	124-48-1	Chlorodibromomethane	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	127-18-4	Tetrachloroethene	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
SVOC	WST16-19-181365	0	<1	05/07/2019	129-00-0	Pyrene	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02
SVOC	WST16-19-181365	0	<1	05/07/2019	131-11-3	Dimethyl Phthalate	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02
SVOC	WST16-19-181365	0	<1	05/07/2019	132-64-9	Dibenzofuran	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
VOC	WST16-19-181365	0	<1	05/07/2019	135-98-8	Butylbenzene[sec-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	142-28-9	Dichloropropane[1,3-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	156-59-2	Dichloroethene[cis-1,2-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	156-60-5	Dichloroethene[trans-1,2-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	1.57E-07	mg/kg	U	N	ND	3.22E-07	9.70E-07
SVOC	WST16-19-181365	0	<1	05/07/2019	191-24-2	Benzo(g,h,i)perylene	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02
SVOC	WST16-19-181365	0	<1	05/07/2019	193-39-5	Indeno(1,2,3-cd)pyrene	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02
LCMS/MS HIGH EXPLOSIVES	WST16-19-181365	0	<1	05/07/2019	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.13E-06	mg/kg	J	Y	1.13E-06	1.13E-06	4.80E-06
SVOC	WST16-19-181365	0	<1	05/07/2019	205-99-2	Benzo(b)fluoranthene	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02
SVOC	WST16-19-181365	0	<1	05/07/2019	206-44-0	Fluoranthene	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02
SVOC	WST16-19-181365	0	<1	05/07/2019	207-08-9	Benzo(k)fluoranthene	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02
SVOC	WST16-19-181365	0	<1	05/07/2019	208-96-8	Acenaphthylene	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02
SVOC	WST16-19-181365	0	<1	05/07/2019	218-01-9	Chrysene	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02
LCMS/MS HIGH EXPLOSIVES	WST16-19-181365	0	<1	05/07/2019	2691-41-0	HMX	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	N/A	Pentachlorodibenzofurans (Totals)	0.00E+00	mg/kg	U	N	ND	0.00E+00	
LCMS/MS HIGH EXPLOSIVES	WST16-19-181365	0	<1	05/07/2019	3058-38-6	TATB	2.99E-01	mg/kg	U	N	ND	2.99E-01	9.95E-01
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.28E-04	mg/kg		Y	1.28E-04	1.28E-04	9.70E-06
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	N/A	Hexachlorodibenzodioxins (Total)	6.12E-06	mg/kg	J	Y	6.12E-06	6.12E-06	
LCMS/MS HIGH EXPLOSIVES	WST16-19-181365	0	<1	05/07/2019	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	2.10E-05	mg/kg		Y	2.10E-05	2.10E-05	4.80E-06
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	N/A	Pentachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	0.00E+00	
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	N/A	Heptachlorodibenzodioxins (Total)	3.73E-05	mg/kg		Y	3.73E-05	3.73E-05	
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	N/A	Heptachlorodibenzofurans (Total)	6.41E-06	mg/kg		Y	6.41E-06	6.41E-06	
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.28E-05	mg/kg		Y	1.28E-05	1.28E-05	9.70E-06
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.84E-07	mg/kg	U	N	ND	1.62E-06	4.80E-06
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.84E-07	mg/kg	U	N	ND	1.62E-06	4.80E-06
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	N/A	Tetrachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	0.00E+00	
SVOC	WST16-19-181365	0	<1	05/07/2019	50-32-8	Benzo(a)pyrene	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02
SVOC	WST16-19-181365	0	<1	05/07/2019	51-28-5	Dinitrophenol[2,4-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	7.71E-01
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	2.05E-07	mg/kg	BJ	N	ND	3.22E-07	9.70E-07
SVOC	WST16-19-181365	0	<1	05/07/2019	53-70-3	Dibenz(a,h)anthracene	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02
SVOC	WST16-19-181365	0	<1	05/07/2019	534-52-1	Dinitro-2-methylphenol[4,6-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
VOC	WST16-19-181365	0	<1	05/07/2019	541-73-1	Dichlorobenzene[1,3-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
SVOC	WST16-19-181365	0	<1	05/07/2019	541-73-1	Dichlorobenzene[1,3-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.84E-07	mg/kg	U	N	ND	1.62E-06	4.80E-06
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	N/A	Hexachlorodibenzofurans (Total)	5.26E-06	mg/kg	J	Y	5.26E-06	5.26E-06	
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	N/A	Tetrachlorodibenzofurans (Totals)	2.05E-07	mg/kg	BJ	N	ND	NV	
VOC	WST16-19-181365	0	<1	05/07/2019	56-23-5	Carbon Tetrachloride	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
SVOC	WST16-19-181365	0	<1	05/07/2019	56-55-3	Benzo(a)anthracene	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02
VOC	WST16-19-181365	0	<1	05/07/2019	563-58-6	Dichloropropene[1,1-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.84E-07	mg/kg	U	N	ND	1.62E-06	4.80E-06
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	4.84E-07	mg/kg	U	N	ND	1.62E-06	4.80E-06
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.84E-07	mg/kg	U	N	ND	1.62E-06	4.80E-06
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	7.06E-07	mg/kg	JK	Y	7.06E-07	7.06E-07	4.80E-06
SVOC	WST16-19-181365	0	<1	05/07/2019	59-50-7	Chloro-3-methylphenol[4-]	1.54E-01	mg/kg	U	N	ND	1.54E-01	3.85E-01
VOC	WST16-19-181365	0	<1	05/07/2019	591-78-6	Hexanone[2-]	1.93E-03	mg/kg	U	N	ND	1.93E-03	5.79E-03
LCMS/MS HIGH EXPLOSIVES	WST16-19-181365	0	<1	05/07/2019	59229-75-3	2,6-Diamino-4-nitrotoluene	6.57E-01	mg/kg	U	N	ND	6.57E-01	1.99E+00
VOC	WST16-19-181365	0	<1	05/07/2019	594-20-7	Dichloropropane[2,2-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
SVOC	WST16-19-181365	0	<1	05/07/2019	606-20-2	Dinitrotoluene[2,6-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181365	0	<1	05/07/2019	606-20-2	Dinitrotoluene[2,6-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.84E-07	mg/kg	U	N	ND	1.62E-06	4.80E-06
LCMS/MS HIGH EXPLOSIVES	WST16-19-181365	0	<1	05/07/2019	618-87-1	3,5-Dinitroaniline	2.99E-01	mg/kg	U	N	ND	2.99E-01	9.95E-01
SVOC	WST16-19-181365	0	<1	05/07/2019	62-53-3	Aniline	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
SVOC	WST16-19-181365	0	<1	05/07/2019	62-75-9	Nitrosodimethylamine[N-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
SVOC	WST16-19-181365	0	<1	05/07/2019	621-64-7	Nitroso-di-n-propylamine[N-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
VOC	WST16-19-181365	0	<1	05/07/2019	630-20-6	Tetrachloroethane[1,1,1,2-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
SVOC	WST16-19-181365	0	<1	05/07/2019	65-85-0	Benzoic Acid	1.93E-01	mg/kg	U	N	ND	1.93E-01	7.71E-01
SVOC	WST16-19-181365	0	<1	05/07/2019	65794-96-9	Methylphenol[3-,4-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181365	0	<1	05/07/2019	6629-29-4	2,4-Diamino-6-nitrotoluene	4.98E-01	mg/kg	U	N	ND	4.98E-01	1.99E+00
VOC	WST16-19-181365	0	<1	05/07/2019	67-64-1	Acetone	1.93E-03	mg/kg	U	N	ND	1.93E-03	5.79E-03
VOC	WST16-19-181365	0	<1	05/07/2019	67-66-3	Chloroform	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
SVOC	WST16-19-181365	0	<1	05/07/2019	67-72-1	Hexachloroethane	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	6.41E-06	mg/kg		Y	6.41E-06	6.41E-06	4.80E-06
SVOC	WST16-19-181365	0	<1	05/07/2019	7005-72-3	Chlorophenyl-phenyl[4-] Ether	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	4.84E-07	mg/kg	U	N	ND	1.62E-06	4.80E-06
VOC	WST16-19-181365	0	<1	05/07/2019	71-43-2	Benzene	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	71-55-6	Trichloroethane[1,1,1-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
DIOXINS FURANS	WST16-19-181365	0	<1	05/07/2019	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.84E-07	mg/kg	U	N	ND	1.62E-06	4.80E-06
VOC	WST16-19-181365	0	<1	05/07/2019	74-83-9	Bromomethane	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	74-87-3	Chloromethane	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	74-88-4	Iodomethane	1.93E-03	mg/kg	U	N	ND	1.93E-03	5.79E-03
VOC	WST16-19-181365	0	<1	05/07/2019	74-95-3	Dibromomethane	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	74-97-5	Bromochloromethane	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	75-00-3	Chloroethane	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	75-01-4	Vinyl Chloride	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	75-09-2	Methylene Chloride	1.93E-03	mg/kg	U	N	ND	1.93E-03	5.79E-03
VOC	WST16-19-181365	0	<1	05/07/2019	75-15-0	Carbon Disulfide	1.93E-03	mg/kg	U	N	ND	1.93E-03	5.79E-03
VOC	WST16-19-181365	0	<1	05/07/2019	75-25-2	Bromoform	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	75-27-4	Bromodichloromethane	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	75-34-3	Dichloroethane[1,1-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	75-35-4	Dichloroethene[1,1-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	75-69-4	Trichlorofluoromethane	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	75-71-8	Dichlorodifluoromethane	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.93E-03	mg/kg	U	N	ND	1.93E-03	5.79E-03
SVOC	WST16-19-181365	0	<1	05/07/2019	77-47-4	Hexachlorocyclopentadiene	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181365	0	<1	05/07/2019	78-11-5	PETN	2.49E-01	mg/kg	U	N	ND	2.49E-01	9.95E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181365	0	<1	05/07/2019	78-30-8	Tris (o-cresyl) phosphate	2.99E-01	mg/kg	U	N	ND	2.99E-01	9.95E-01
SVOC	WST16-19-181365	0	<1	05/07/2019	78-59-1	Isophorone	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
VOC	WST16-19-181365	0	<1	05/07/2019	78-87-5	Dichloropropane[1,2-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	78-93-3	Butanone[2-]	1.93E-03	mg/kg	U	N	ND	1.93E-03	5.79E-03
VOC	WST16-19-181365	0	<1	05/07/2019	79-00-5	Trichloroethane[1,1,2-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	79-01-6	Trichloroethene	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	79-34-5	Tetrachloroethane[1,1,2,2-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
SVOC	WST16-19-181365	0	<1	05/07/2019	83-32-9	Acenaphthene	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	WST16-19-181365	0	<1	05/07/2019	84-66-2	Diethylphthalate	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02
SVOC	WST16-19-181365	0	<1	05/07/2019	84-74-2	Di-n-butylphthalate	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02
SVOC	WST16-19-181365	0	<1	05/07/2019	85-01-8	Phenanthrene	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02
SVOC	WST16-19-181365	0	<1	05/07/2019	85-68-7	Butylbenzylphthalate	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02
SVOC	WST16-19-181365	0	<1	05/07/2019	86-73-7	Fluorene	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02
SVOC	WST16-19-181365	0	<1	05/07/2019	87-68-3	Hexachlorobutadiene	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
SVOC	WST16-19-181365	0	<1	05/07/2019	87-86-5	Pentachlorophenol	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
SVOC	WST16-19-181365	0	<1	05/07/2019	88-06-2	Trichlorophenol[2,4,6-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181365	0	<1	05/07/2019	88-72-2	Nitrotoluene[2-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
SVOC	WST16-19-181365	0	<1	05/07/2019	88-74-4	Nitroaniline[2-]	1.27E-01	mg/kg	U	N	ND	1.27E-01	3.85E-01
SVOC	WST16-19-181365	0	<1	05/07/2019	88-75-5	Nitrophenol[2-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
SVOC	WST16-19-181365	0	<1	05/07/2019	91-20-3	Naphthalene	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02
SVOC	WST16-19-181365	0	<1	05/07/2019	91-57-6	Methylnaphthalene[2-]	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02
SVOC	WST16-19-181365	0	<1	05/07/2019	91-58-7	Chloronaphthalene[2-]	1.16E-02	mg/kg	U	N	ND	1.16E-02	3.85E-02
SVOC	WST16-19-181365	0	<1	05/07/2019	91-94-1	Dichlorobenzidine[3,3'-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
VOC	WST16-19-181365	0	<1	05/07/2019	95-47-6	Xylene[1,2-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
SVOC	WST16-19-181365	0	<1	05/07/2019	95-48-7	Methylphenol[2-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
VOC	WST16-19-181365	0	<1	05/07/2019	95-49-8	Chlorotoluene[2-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	95-50-1	Dichlorobenzene[1,2-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
SVOC	WST16-19-181365	0	<1	05/07/2019	95-50-1	Dichlorobenzene[1,2-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
SVOC	WST16-19-181365	0	<1	05/07/2019	95-57-8	Chlorophenol[2-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
VOC	WST16-19-181365	0	<1	05/07/2019	95-63-6	Trimethylbenzene[1,2,4-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
SVOC	WST16-19-181365	0	<1	05/07/2019	95-95-4	Trichlorophenol[2,4,5-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
VOC	WST16-19-181365	0	<1	05/07/2019	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.79E-04	mg/kg	U	N	ND	5.79E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	96-18-4	Trichloropropane[1,2,3-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	98-06-6	Butylbenzene[tert-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
VOC	WST16-19-181365	0	<1	05/07/2019	98-82-8	Isopropylbenzene	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
SVOC	WST16-19-181365	0	<1	05/07/2019	98-95-3	Nitrobenzene	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181365	0	<1	05/07/2019	98-95-3	Nitrobenzene	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181365	0	<1	05/07/2019	99-08-1	Nitrotoluene[3-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
SVOC	WST16-19-181365	0	<1	05/07/2019	99-09-2	Nitroaniline[3-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.85E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181365	0	<1	05/07/2019	99-35-4	Trinitrobenzene[1,3,5-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181365	0	<1	05/07/2019	99-65-0	Dinitrobenzene[1,3-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
VOC	WST16-19-181365	0	<1	05/07/2019	99-87-6	Isopropyltoluene[4-]	3.86E-04	mg/kg	U	N	ND	3.86E-04	1.16E-03
LCMS/MS HIGH EXPLOSIVES	WST16-19-181365	0	<1	05/07/2019	99-99-0	Nitrotoluene[4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
INORGANIC	WST16-19-181365	0	<1	05/07/2019	Ag	Silver	1.12E-01	mg/kg	U	N	ND	1.12E-01	5.59E-01
INORGANIC	WST16-19-181365	0	<1	05/07/2019	Al	Aluminum	1.04E+04	mg/kg	E*	Y	1.04E+04	1.04E+04	2.24E+01
INORGANIC	WST16-19-181365	0	<1	05/07/2019	As	Arsenic	3.67E+00	mg/kg		Y	3.67E+00	3.67E+00	1.07E+00
INORGANIC	WST16-19-181365	0	<1	05/07/2019	Ba	Barium	6.99E+01	mg/kg	E*	Y	6.99E+01	6.99E+01	5.34E-01
INORGANIC	WST16-19-181365	0	<1	05/07/2019	Be	Beryllium	1.11E+00	mg/kg		Y	1.11E+00	1.11E+00	1.07E-01
INORGANIC	WST16-19-181365	0	<1	05/07/2019	Ca	Calcium	1.63E+03	mg/kg	N*	Y	1.63E+03	1.63E+03	2.67E+01
INORGANIC	WST16-19-181365	0	<1	05/07/2019	Cd	Cadmium	1.12E-01	mg/kg	U	N	ND	1.12E-01	5.59E-01
LCMS/MS PERCHLORATE	WST16-19-181365	0	<1	05/07/2019	ClO4	Perchlorate	5.79E-04	mg/kg	U	N	ND	5.79E-04	2.32E-03
INORGANIC	WST16-19-181365	0	<1	05/07/2019	Co	Cobalt	2.82E+00	mg/kg		Y	2.82E+00	2.82E+00	5.34E-01
INORGANIC	WST16-19-181365	0	<1	05/07/2019	Cr	Chromium	7.72E+00	mg/kg	*	Y	7.72E+00	7.72E+00	1.12E+00
INORGANIC	WST16-19-181365	0	<1	05/07/2019	Cu	Copper	8.29E+00	mg/kg		Y	8.29E+00	8.29E+00	2.24E+00
INORGANIC	WST16-19-181365	0	<1	05/07/2019	Fe	Iron	6.73E+03	mg/kg	*	Y	6.73E+03	6.73E+03	2.67E+01
INORGANIC	WST16-19-181365	0	<1	05/07/2019	Hg	Mercury	1.36E-02	mg/kg		Y	1.36E-02	1.36E-02	1.16E-02
INORGANIC	WST16-19-181365	0	<1	05/07/2019	K	Potassium	1.78E+03	mg/kg	*	Y	1.78E+03	1.78E+03	2.80E+01
INORGANIC	WST16-19-181365	0	<1	05/07/2019	Mg	Magnesium	1.84E+03	mg/kg	E	Y	1.84E+03	1.84E+03	3.36E+01
INORGANIC	WST16-19-181365	0	<1	05/07/2019	Mn	Manganese	2.64E+02	mg/kg	N*	Y	2.64E+02	2.64E+02	1.07E+00
INORGANIC	WST16-19-181365	0	<1	05/07/2019	Na	Sodium	1.46E+02	mg/kg		Y	1.46E+02	1.46E+02	2.80E+01
INORGANIC	WST16-19-181365	0	<1	05/07/2019	Ni	Nickel	7.35E+00	mg/kg		Y	7.35E+00	7.35E+00	4.28E-01
INORGANIC	WST16-19-181365	0	<1	05/07/2019	Pb	Lead	1.01E+01	mg/kg	*	Y	1.01E+01	1.01E+01	2.24E+00

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
INORGANIC	WST16-19-181365	0	<1	05/07/2019	Sb	Antimony	3.69E-01	mg/kg	U	N	ND	3.69E-01	2.24E+00
INORGANIC	WST16-19-181365	0	<1	05/07/2019	Se	Selenium	1.62E+00	mg/kg		Y	1.62E+00	1.62E+00	1.07E+00
GENERAL CHEMISTRY	WST16-19-181365	0	<1	05/07/2019	TEMP	Temperature	4.00E+00	deg C		Y	4.00E+00	4.00E-06	
GENERAL CHEMISTRY	WST16-19-181365	0	<1	05/07/2019	TEMP	Temperature	2.00E+00	deg C		Y	2.00E+00	2.00E-06	
INORGANIC	WST16-19-181365	0	<1	05/07/2019	Tl	Thallium	2.26E-01	mg/kg	J	Y	2.26E-01	2.26E-01	4.28E-01
DRO	WST16-19-181365	0	<1	05/07/2019	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range C	3.54E+00	mg/kg	J	Y	3.54E+00	3.54E+00	7.72E+00
GRO	WST16-19-181365	0	<1	05/07/2019	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Rang	2.01E-02	mg/kg	U	N	ND	2.01E-02	1.21E-01
INORGANIC	WST16-19-181365	0	<1	05/07/2019	V	Vanadium	1.90E+01	mg/kg		Y	1.90E+01	1.90E+01	5.59E-01
VOC	WST16-19-181365	0	<1	05/07/2019	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	7.73E-04	mg/kg	U	N	ND	7.73E-04	2.32E-03
INORGANIC	WST16-19-181365	0	<1	05/07/2019	Zn	Zinc	3.60E+01	mg/kg		Y	3.60E+01	3.60E+01	2.24E+00
SVOC	WST16-19-181366	0	<1	05/07/2019	100-01-6	Nitroaniline[4-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	100-02-7	Nitrophenol[4-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	100-51-6	Benzyl Alcohol	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	101-55-3	Bromophenyl-phenylether[4-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	103-33-3	Azobenzene	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	105-67-9	Dimethylphenol[2,4-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	106-46-7	Dichlorobenzene[1,4-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	106-47-8	Chloroaniline[4-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	108-60-1	Oxybis(1-chloropropane)[2,2'-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	108-95-2	Phenol	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	110-86-1	Pyridine	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	111-44-4	Bis(2-chloroethyl)ether	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	111-91-1	Bis(2-chloroethoxy)methane	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	117-81-7	Bis(2-ethylhexyl)phthalate	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
SVOC	WST16-19-181366	0	<1	05/07/2019	117-84-0	Di-n-octylphthalate	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
SVOC	WST16-19-181366	0	<1	05/07/2019	118-74-1	Hexachlorobenzene	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181366	0	<1	05/07/2019	118-96-7	Trinitrotoluene[2,4,6-]	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	120-12-7	Anthracene	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
SVOC	WST16-19-181366	0	<1	05/07/2019	120-82-1	Trichlorobenzene[1,2,4-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	120-83-2	Dichlorophenol[2,4-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	121-14-2	Dinitrotoluene[2,4-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181366	0	<1	05/07/2019	121-14-2	Dinitrotoluene[2,4-]	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181366	0	<1	05/07/2019	121-82-4	RDX	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	122-39-4	Diphenylamine	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	129-00-0	Pyrene	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
SVOC	WST16-19-181366	0	<1	05/07/2019	131-11-3	Dimethyl Phthalate	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
SVOC	WST16-19-181366	0	<1	05/07/2019	132-64-9	Dibenzofuran	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	9.12E-08	mg/kg	U	N	ND	3.00E-07	9.00E-07
SVOC	WST16-19-181366	0	<1	05/07/2019	191-24-2	Benzo(g,h,i)perylene	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
SVOC	WST16-19-181366	0	<1	05/07/2019	193-39-5	Indeno(1,2,3-cd)pyrene	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
LCMS/MS HIGH EXPLOSIVES	WST16-19-181366	0	<1	05/07/2019	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	5.09E-07	mg/kg	J	Y	5.09E-07	5.09E-07	4.50E-06
SVOC	WST16-19-181366	0	<1	05/07/2019	205-99-2	Benzo(b)fluoranthene	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
SVOC	WST16-19-181366	0	<1	05/07/2019	206-44-0	Fluoranthene	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
SVOC	WST16-19-181366	0	<1	05/07/2019	207-08-9	Benzo(k)fluoranthene	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
SVOC	WST16-19-181366	0	<1	05/07/2019	208-96-8	Acenaphthylene	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
SVOC	WST16-19-181366	0	<1	05/07/2019	218-01-9	Chrysene	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
LCMS/MS HIGH EXPLOSIVES	WST16-19-181366	0	<1	05/07/2019	2691-41-0	HMX	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	N/A	Pentachlorodibenzofurans (Totals)	0.00E+00	mg/kg	U	N	ND	0.00E+00	
LCMS/MS HIGH EXPLOSIVES	WST16-19-181366	0	<1	05/07/2019	3058-38-6	TATB	9.33E-01	mg/kg	J	Y	9.33E-01	9.33E-01	1.00E+00
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	6.72E-05	mg/kg		Y	6.72E-05	6.72E-05	9.00E-06
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	N/A	Hexachlorodibenzodioxins (Total)	3.94E-06	mg/kg	J	Y	3.94E-06	3.94E-06	
LCMS/MS HIGH EXPLOSIVES	WST16-19-181366	0	<1	05/07/2019	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.01E-05	mg/kg		Y	1.01E-05	1.01E-05	4.50E-06

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	N/A	Pentachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	0.00E+00	
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	N/A	Heptachlorodibenzodioxins (Total)	2.11E-05	mg/kg		Y	2.11E-05	2.11E-05	
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	N/A	Heptachlorodibenzofurans (Total)	7.12E-06	mg/kg	J	Y	7.12E-06	7.12E-06	
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	7.18E-06	mg/kg	J	Y	7.18E-06	7.18E-06	9.00E-06
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.50E-07	mg/kg	U	N	ND	1.50E-06	4.50E-06
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.50E-07	mg/kg	U	N	ND	1.50E-06	4.50E-06
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	N/A	Tetrachlorodibenzodioxins (Total)	8.19E-07	mg/kg	BJ	N	ND	NV	
SVOC	WST16-19-181366	0	<1	05/07/2019	50-32-8	Benzo(a)pyrene	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
SVOC	WST16-19-181366	0	<1	05/07/2019	51-28-5	Dinitrophenol[2,4-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	7.45E-01
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	2.57E-07	mg/kg	BJ	N	ND	3.00E-07	9.00E-07
SVOC	WST16-19-181366	0	<1	05/07/2019	53-70-3	Dibenz(a,h)anthracene	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
SVOC	WST16-19-181366	0	<1	05/07/2019	534-52-1	Dinitro-2-methylphenol[4,6-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	541-73-1	Dichlorobenzene[1,3-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.50E-07	mg/kg	U	N	ND	1.50E-06	4.50E-06
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	N/A	Hexachlorodibenzofurans (Total)	1.60E-06	mg/kg	J	Y	1.60E-06	1.60E-06	
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	N/A	Tetrachlorodibenzofurans (Totals)	4.52E-07	mg/kg	BJ	N	ND	NV	
SVOC	WST16-19-181366	0	<1	05/07/2019	56-55-3	Benzo(a)anthracene	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.50E-07	mg/kg	U	N	ND	1.50E-06	4.50E-06
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	4.50E-07	mg/kg	U	N	ND	1.50E-06	4.50E-06
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.50E-07	mg/kg	U	N	ND	1.50E-06	4.50E-06
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.50E-07	mg/kg	U	N	ND	1.50E-06	4.50E-06
SVOC	WST16-19-181366	0	<1	05/07/2019	59-50-7	Chloro-3-methylphenol[4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	3.73E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181366	0	<1	05/07/2019	59229-75-3	2,6-Diamino-4-nitrotoluene	6.60E-01	mg/kg	U	N	ND	6.60E-01	2.00E+00
SVOC	WST16-19-181366	0	<1	05/07/2019	606-20-2	Dinitrotoluene[2,6-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181366	0	<1	05/07/2019	606-20-2	Dinitrotoluene[2,6-]	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.50E-07	mg/kg	U	N	ND	1.50E-06	4.50E-06
LCMS/MS HIGH EXPLOSIVES	WST16-19-181366	0	<1	05/07/2019	618-87-1	3,5-Dinitroaniline	3.00E-01	mg/kg	U	N	ND	3.00E-01	1.00E+00
SVOC	WST16-19-181366	0	<1	05/07/2019	62-53-3	Aniline	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	62-75-9	Nitrosodimethylamine[N-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	621-64-7	Nitroso-di-n-propylamine[N-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	65-85-0	Benzoic Acid	1.86E-01	mg/kg	U	N	ND	1.86E-01	7.45E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	65794-96-9	Methylphenol[3-,4-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181366	0	<1	05/07/2019	6629-29-4	2,4-Diamino-6-nitrotoluene	5.00E-01	mg/kg	U	N	ND	5.00E-01	2.00E+00
SVOC	WST16-19-181366	0	<1	05/07/2019	67-72-1	Hexachloroethane	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	3.30E-06	mg/kg	J	Y	3.30E-06	3.30E-06	4.50E-06
SVOC	WST16-19-181366	0	<1	05/07/2019	7005-72-3	Chlorophenyl-phenyl[4-] Ether	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	4.50E-07	mg/kg	U	N	ND	1.50E-06	4.50E-06
DIOXINS FURANS	WST16-19-181366	0	<1	05/07/2019	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.50E-07	mg/kg	U	N	ND	1.50E-06	4.50E-06
SVOC	WST16-19-181366	0	<1	05/07/2019	77-47-4	Hexachlorocyclopentadiene	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181366	0	<1	05/07/2019	78-11-5	PETN	2.50E-01	mg/kg	U	N	ND	2.50E-01	1.00E+00
LCMS/MS HIGH EXPLOSIVES	WST16-19-181366	0	<1	05/07/2019	78-30-8	Tris (o-cresyl) phosphate	3.00E-01	mg/kg	U	N	ND	3.00E-01	1.00E+00
SVOC	WST16-19-181366	0	<1	05/07/2019	78-59-1	Isophorone	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	83-32-9	Acenaphthene	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
SVOC	WST16-19-181366	0	<1	05/07/2019	84-66-2	Diethylphthalate	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
SVOC	WST16-19-181366	0	<1	05/07/2019	84-74-2	Di-n-butylphthalate	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
SVOC	WST16-19-181366	0	<1	05/07/2019	85-01-8	Phenanthrene	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
SVOC	WST16-19-181366	0	<1	05/07/2019	85-68-7	Butylbenzylphthalate	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
SVOC	WST16-19-181366	0	<1	05/07/2019	86-73-7	Fluorene	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
SVOC	WST16-19-181366	0	<1	05/07/2019	87-68-3	Hexachlorobutadiene	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	87-86-5	Pentachlorophenol	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	88-06-2	Trichlorophenol[2,4,6-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181366	0	<1	05/07/2019	88-72-2	Nitrotoluene[2-]	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	88-74-4	Nitroaniline[2-]	1.23E-01	mg/kg	U	N	ND	1.23E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	88-75-5	Nitrophenol[2-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	WST16-19-181366	0	<1	05/07/2019	91-20-3	Naphthalene	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
SVOC	WST16-19-181366	0	<1	05/07/2019	91-57-6	Methylnaphthalene[2-]	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
SVOC	WST16-19-181366	0	<1	05/07/2019	91-58-7	Chloronaphthalene[2-]	1.12E-02	mg/kg	U	N	ND	1.12E-02	3.73E-02
SVOC	WST16-19-181366	0	<1	05/07/2019	91-94-1	Dichlorobenzidine[3,3'-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	95-48-7	Methylphenol[2-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	95-50-1	Dichlorobenzene[1,2-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	95-57-8	Chlorophenol[2-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	95-95-4	Trichlorophenol[2,4,5-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	98-95-3	Nitrobenzene	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181366	0	<1	05/07/2019	98-95-3	Nitrobenzene	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181366	0	<1	05/07/2019	99-08-1	Nitrotoluene[3-]	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
SVOC	WST16-19-181366	0	<1	05/07/2019	99-09-2	Nitroaniline[3-]	1.12E-01	mg/kg	U	N	ND	1.12E-01	3.73E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181366	0	<1	05/07/2019	99-35-4	Trinitrobenzene[1,3,5-]	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181366	0	<1	05/07/2019	99-65-0	Dinitrobenzene[1,3-]	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181366	0	<1	05/07/2019	99-99-0	Nitrotoluene[4-]	1.50E-01	mg/kg	U	N	ND	1.50E-01	5.00E-01
INORGANIC	WST16-19-181366	0	<1	05/07/2019	Ag	Silver	1.62E+00	mg/kg		Y	1.62E+00	1.62E+00	5.49E-01
INORGANIC	WST16-19-181366	0	<1	05/07/2019	Al	Aluminum	7.84E+03	mg/kg	E*	Y	7.84E+03	7.84E+03	2.20E+01
INORGANIC	WST16-19-181366	0	<1	05/07/2019	As	Arsenic	3.26E+00	mg/kg		Y	3.26E+00	3.26E+00	1.10E+00
INORGANIC	WST16-19-181366	0	<1	05/07/2019	Ba	Barium	1.25E+03	mg/kg	E*	Y	1.25E+03	1.25E+03	5.16E-01
INORGANIC	WST16-19-181366	0	<1	05/07/2019	Be	Beryllium	9.38E-01	mg/kg		Y	9.38E-01	9.38E-01	1.10E-01
INORGANIC	WST16-19-181366	0	<1	05/07/2019	Ca	Calcium	2.31E+03	mg/kg	N*	Y	2.31E+03	2.31E+03	2.58E+01
INORGANIC	WST16-19-181366	0	<1	05/07/2019	Cd	Cadmium	1.10E-01	mg/kg	U	N	ND	1.10E-01	5.49E-01
LCMS/MS PERCHLORATE	WST16-19-181366	0	<1	05/07/2019	ClO4	Perchlorate	5.57E-04	mg/kg	U	N	ND	5.57E-04	2.23E-03
INORGANIC	WST16-19-181366	0	<1	05/07/2019	Co	Cobalt	1.49E+00	mg/kg		Y	1.49E+00	1.49E+00	5.16E-01
INORGANIC	WST16-19-181366	0	<1	05/07/2019	Cr	Chromium	6.29E+00	mg/kg	*	Y	6.29E+00	6.29E+00	1.10E+00
INORGANIC	WST16-19-181366	0	<1	05/07/2019	Cu	Copper	6.61E+00	mg/kg		Y	6.61E+00	6.61E+00	2.20E+00
INORGANIC	WST16-19-181366	0	<1	05/07/2019	Fe	Iron	4.86E+03	mg/kg	*	Y	4.86E+03	4.86E+03	2.58E+01
INORGANIC	WST16-19-181366	0	<1	05/07/2019	Hg	Mercury	1.42E-02	mg/kg		Y	1.42E-02	1.42E-02	1.21E-02
INORGANIC	WST16-19-181366	0	<1	05/07/2019	K	Potassium	1.31E+03	mg/kg	*	Y	1.31E+03	1.31E+03	2.75E+01
INORGANIC	WST16-19-181366	0	<1	05/07/2019	Mg	Magnesium	1.35E+03	mg/kg	E	Y	1.35E+03	1.35E+03	3.30E+01
INORGANIC	WST16-19-181366	0	<1	05/07/2019	Mn	Manganese	2.26E+02	mg/kg	N*	Y	2.26E+02	2.26E+02	1.03E+00
INORGANIC	WST16-19-181366	0	<1	05/07/2019	Na	Sodium	1.03E+02	mg/kg		Y	1.03E+02	1.03E+02	2.75E+01
INORGANIC	WST16-19-181366	0	<1	05/07/2019	Ni	Nickel	5.83E+00	mg/kg		Y	5.83E+00	5.83E+00	4.39E-01
GENERAL CHEMISTRY	WST16-19-181366	0	<1	05/07/2019	NO3	Nitrate	1.34E+00	mg/kg		Y	1.34E+00	1.34E+00	1.10E+00
INORGANIC	WST16-19-181366	0	<1	05/07/2019	Pb	Lead	8.84E+00	mg/kg	*	Y	8.84E+00	8.84E+00	2.20E+00
INORGANIC	WST16-19-181366	0	<1	05/07/2019	Sb	Antimony	3.63E-01	mg/kg	U	N	ND	3.63E-01	2.20E+00
INORGANIC	WST16-19-181366	0	<1	05/07/2019	Se	Selenium	1.78E+00	mg/kg		Y	1.78E+00	1.78E+00	1.10E+00
GENERAL CHEMISTRY	WST16-19-181366	0	<1	05/07/2019	TEMP	Temperature	4.00E+00	deg C		Y	4.00E+00	4.00E-06	
GENERAL CHEMISTRY	WST16-19-181366	0	<1	05/07/2019	TEMP	Temperature	2.00E+00	deg C		Y	2.00E+00	2.00E-06	
INORGANIC	WST16-19-181366	0	<1	05/07/2019	Tl	Thallium	1.59E-01	mg/kg	J	Y	1.59E-01	1.59E-01	4.39E-01
DRO	WST16-19-181366	0	<1	05/07/2019	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range C	7.10E+00	mg/kg	J	Y	7.10E+00	7.10E+00	7.45E+00
GRO	WST16-19-181366	0	<1	05/07/2019	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Rang	2.17E-02	mg/kg	U	N	ND	2.17E-02	1.30E-01
INORGANIC	WST16-19-181366	0	<1	05/07/2019	V	Vanadium	1.41E+01	mg/kg		Y	1.41E+01	1.41E+01	5.49E-01
INORGANIC	WST16-19-181366	0	<1	05/07/2019	Zn	Zinc	4.02E+01	mg/kg		Y	4.02E+01	4.02E+01	2.20E+00
SVOC	WST16-19-181368	0	<1	05/07/2019	100-01-6	Nitroaniline[4-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	100-02-7	Nitrophenol[4-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	100-51-6	Benzyl Alcohol	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	101-55-3	Bromophenyl-phenylether[4-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	103-33-3	Azobenzene	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	105-67-9	Dimethylphenol[2,4-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	106-46-7	Dichlorobenzene[1,4-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	106-47-8	Chloroaniline[4-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	108-60-1	Oxybis(1-chloropropane)[2,2'-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	108-95-2	Phenol	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	WST16-19-181368	0	<1	05/07/2019	110-86-1	Pyridine	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	111-44-4	Bis(2-chloroethyl)ether	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	111-91-1	Bis(2-chloroethoxy)methane	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	117-81-7	Bis(2-ethylhexyl)phthalate	4.46E-02	mg/kg		Y	4.46E-02	4.46E-02	3.51E-02
SVOC	WST16-19-181368	0	<1	05/07/2019	117-84-0	Di-n-octylphthalate	1.05E-02	mg/kg	U	N	ND	1.05E-02	3.51E-02
SVOC	WST16-19-181368	0	<1	05/07/2019	118-74-1	Hexachlorobenzene	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181368	0	<1	05/07/2019	118-96-7	Trinitrotoluene[2,4,6-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	120-12-7	Anthracene	1.05E-02	mg/kg	U	N	ND	1.05E-02	3.51E-02
SVOC	WST16-19-181368	0	<1	05/07/2019	120-82-1	Trichlorobenzene[1,2,4-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	120-83-2	Dichlorophenol[2,4-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	121-14-2	Dinitrotoluene[2,4-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181368	0	<1	05/07/2019	121-14-2	Dinitrotoluene[2,4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181368	0	<1	05/07/2019	121-82-4	RDX	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	122-39-4	Diphenylamine	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	129-00-0	Pyrene	1.05E-02	mg/kg	U	N	ND	1.05E-02	3.51E-02
SVOC	WST16-19-181368	0	<1	05/07/2019	131-11-3	Dimethyl Phthalate	1.05E-02	mg/kg	U	N	ND	1.05E-02	3.51E-02
SVOC	WST16-19-181368	0	<1	05/07/2019	132-64-9	Dibenzofuran	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	1.40E-07	mg/kg	U	N	ND	3.20E-07	9.60E-07
SVOC	WST16-19-181368	0	<1	05/07/2019	191-24-2	Benzo(g,h,i)perylene	1.05E-02	mg/kg	U	N	ND	1.05E-02	3.51E-02
SVOC	WST16-19-181368	0	<1	05/07/2019	193-39-5	Indeno(1,2,3-cd)pyrene	1.05E-02	mg/kg	U	N	ND	1.05E-02	3.51E-02
LCMS/MS HIGH EXPLOSIVES	WST16-19-181368	0	<1	05/07/2019	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.81E-07	mg/kg	U	N	ND	1.61E-06	4.80E-06
SVOC	WST16-19-181368	0	<1	05/07/2019	205-99-2	Benzo(b)fluoranthene	1.05E-02	mg/kg	U	N	ND	1.05E-02	3.51E-02
SVOC	WST16-19-181368	0	<1	05/07/2019	206-44-0	Fluoranthene	1.05E-02	mg/kg	U	N	ND	1.05E-02	3.51E-02
SVOC	WST16-19-181368	0	<1	05/07/2019	207-08-9	Benzo(k)fluoranthene	1.05E-02	mg/kg	U	N	ND	1.05E-02	3.51E-02
SVOC	WST16-19-181368	0	<1	05/07/2019	208-96-8	Acenaphthylene	1.05E-02	mg/kg	U	N	ND	1.05E-02	3.51E-02
SVOC	WST16-19-181368	0	<1	05/07/2019	218-01-9	Chrysene	1.05E-02	mg/kg	U	N	ND	1.05E-02	3.51E-02
LCMS/MS HIGH EXPLOSIVES	WST16-19-181368	0	<1	05/07/2019	2691-41-0	HMX	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	N/A	Pentachlorodibenzofurans (Totals)	1.95E-06	mg/kg	J	Y	1.95E-06	1.95E-06	
LCMS/MS HIGH EXPLOSIVES	WST16-19-181368	0	<1	05/07/2019	3058-38-6	TATB	1.12E+00	mg/kg		Y	1.12E+00	1.12E+00	9.95E-01
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.70E-05	mg/kg		Y	1.70E-05	1.70E-05	9.60E-06
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	N/A	Hexachlorodibenzodioxins (Total)	5.87E-07	mg/kg	J	Y	5.87E-07	5.87E-07	
LCMS/MS HIGH EXPLOSIVES	WST16-19-181368	0	<1	05/07/2019	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	2.98E-06	mg/kg	J	Y	2.98E-06	2.98E-06	4.80E-06
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	N/A	Pentachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	0.00E+00	
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	N/A	Heptachlorodibenzodioxins (Total)	7.18E-06	mg/kg	J	Y	7.18E-06	7.18E-06	
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	N/A	Heptachlorodibenzofurans (Total)	3.71E-06	mg/kg	J	Y	3.71E-06	3.71E-06	
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	3.31E-06	mg/kg	J	Y	3.31E-06	3.31E-06	9.60E-06
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.81E-07	mg/kg	U	N	ND	1.61E-06	4.80E-06
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.81E-07	mg/kg	U	N	ND	1.61E-06	4.80E-06
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	N/A	Tetrachlorodibenzodioxins (Total)	7.60E-07	mg/kg	BJ	N	ND	NV	
SVOC	WST16-19-181368	0	<1	05/07/2019	50-32-8	Benzo(a)pyrene	1.05E-02	mg/kg	U	N	ND	1.05E-02	3.51E-02
SVOC	WST16-19-181368	0	<1	05/07/2019	51-28-5	Dinitrophenol[2,4-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	7.02E-01
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	3.62E-07	mg/kg	BJK	N	ND	3.20E-07	9.60E-07
SVOC	WST16-19-181368	0	<1	05/07/2019	53-70-3	Dibenz(a,h)anthracene	1.05E-02	mg/kg	U	N	ND	1.05E-02	3.51E-02
SVOC	WST16-19-181368	0	<1	05/07/2019	534-52-1	Dinitro-2-methylphenol[4,6-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	541-73-1	Dichlorobenzene[1,3-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.81E-07	mg/kg	U	N	ND	1.61E-06	4.80E-06
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	N/A	Hexachlorodibenzofurans (Total)	1.86E-06	mg/kg	J	Y	1.86E-06	1.86E-06	
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	N/A	Tetrachlorodibenzofurans (Totals)	1.47E-06	mg/kg	BJ	N	ND	NV	
SVOC	WST16-19-181368	0	<1	05/07/2019	56-55-3	Benzo(a)anthracene	1.05E-02	mg/kg	U	N	ND	1.05E-02	3.51E-02
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.81E-07	mg/kg	U	N	ND	1.61E-06	4.80E-06
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	6.14E-07	mg/kg	J	Y	6.14E-07	6.14E-07	4.80E-06
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.81E-07	mg/kg	U	N	ND	1.61E-06	4.80E-06

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.81E-07	mg/kg	U	N	ND	1.61E-06	4.80E-06
SVOC	WST16-19-181368	0	<1	05/07/2019	59-50-7	Chloro-3-methylphenol[4-]	1.40E-01	mg/kg	U	N	ND	1.40E-01	3.51E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181368	0	<1	05/07/2019	59229-75-3	2,6-Diamino-4-nitrotoluene	6.57E-01	mg/kg	U	N	ND	6.57E-01	1.99E+00
SVOC	WST16-19-181368	0	<1	05/07/2019	606-20-2	Dinitrotoluene[2,6-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181368	0	<1	05/07/2019	606-20-2	Dinitrotoluene[2,6-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.81E-07	mg/kg	U	N	ND	1.61E-06	4.80E-06
LCMS/MS HIGH EXPLOSIVES	WST16-19-181368	0	<1	05/07/2019	618-87-1	3,5-Dinitroaniline	2.99E-01	mg/kg	U	N	ND	2.99E-01	9.95E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	62-53-3	Aniline	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	62-75-9	Nitrosodimethylamine[N-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	621-64-7	Nitroso-di-n-propylamine[N-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	65-85-0	Benzoic Acid	1.76E-01	mg/kg	U	N	ND	1.76E-01	7.02E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	65794-96-9	Methylphenol[3-,4-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181368	0	<1	05/07/2019	6629-29-4	2,4-Diamino-6-nitrotoluene	4.98E-01	mg/kg	U	N	ND	4.98E-01	1.99E+00
SVOC	WST16-19-181368	0	<1	05/07/2019	67-72-1	Hexachloroethane	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	2.60E-06	mg/kg	J	Y	2.60E-06	2.60E-06	4.80E-06
SVOC	WST16-19-181368	0	<1	05/07/2019	7005-72-3	Chlorophenyl-phenyl[4-] Ether	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	6.08E-07	mg/kg	JK	Y	6.08E-07	6.08E-07	4.80E-06
DIOXINS FURANS	WST16-19-181368	0	<1	05/07/2019	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.81E-07	mg/kg	U	N	ND	1.61E-06	4.80E-06
SVOC	WST16-19-181368	0	<1	05/07/2019	77-47-4	Hexachlorocyclopentadiene	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181368	0	<1	05/07/2019	78-11-5	PETN	2.49E-01	mg/kg	U	N	ND	2.49E-01	9.95E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181368	0	<1	05/07/2019	78-30-8	Tris (o-cresyl) phosphate	2.99E-01	mg/kg	U	N	ND	2.99E-01	9.95E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	78-59-1	Isophorone	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	83-32-9	Acenaphthene	1.05E-02	mg/kg	U	N	ND	1.05E-02	3.51E-02
SVOC	WST16-19-181368	0	<1	05/07/2019	84-66-2	Diethylphthalate	1.05E-02	mg/kg	U	N	ND	1.05E-02	3.51E-02
SVOC	WST16-19-181368	0	<1	05/07/2019	84-74-2	Di-n-butylphthalate	1.05E-02	mg/kg	U	N	ND	1.05E-02	3.51E-02
SVOC	WST16-19-181368	0	<1	05/07/2019	85-01-8	Phenanthrene	1.05E-02	mg/kg	U	N	ND	1.05E-02	3.51E-02
SVOC	WST16-19-181368	0	<1	05/07/2019	85-68-7	Butylbenzylphthalate	1.05E-02	mg/kg	U	N	ND	1.05E-02	3.51E-02
SVOC	WST16-19-181368	0	<1	05/07/2019	86-73-7	Fluorene	1.05E-02	mg/kg	U	N	ND	1.05E-02	3.51E-02
SVOC	WST16-19-181368	0	<1	05/07/2019	87-68-3	Hexachlorobutadiene	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	87-86-5	Pentachlorophenol	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	88-06-2	Trichlorophenol[2,4,6-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181368	0	<1	05/07/2019	88-72-2	Nitrotoluene[2-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	88-74-4	Nitroaniline[2-]	1.16E-01	mg/kg	U	N	ND	1.16E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	88-75-5	Nitrophenol[2-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	91-20-3	Naphthalene	1.05E-02	mg/kg	U	N	ND	1.05E-02	3.51E-02
SVOC	WST16-19-181368	0	<1	05/07/2019	91-57-6	Methylnaphthalene[2-]	1.05E-02	mg/kg	U	N	ND	1.05E-02	3.51E-02
SVOC	WST16-19-181368	0	<1	05/07/2019	91-58-7	Chloronaphthalene[2-]	1.05E-02	mg/kg	U	N	ND	1.05E-02	3.51E-02
SVOC	WST16-19-181368	0	<1	05/07/2019	91-94-1	Dichlorobenzidine[3,3'-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	95-48-7	Methylphenol[2-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	95-50-1	Dichlorobenzene[1,2-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	95-57-8	Chlorophenol[2-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	95-95-4	Trichlorophenol[2,4,5-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	98-95-3	Nitrobenzene	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181368	0	<1	05/07/2019	98-95-3	Nitrobenzene	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181368	0	<1	05/07/2019	99-08-1	Nitrotoluene[3-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
SVOC	WST16-19-181368	0	<1	05/07/2019	99-09-2	Nitroaniline[3-]	1.05E-01	mg/kg	U	N	ND	1.05E-01	3.51E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181368	0	<1	05/07/2019	99-35-4	Trinitrobenzene[1,3,5-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181368	0	<1	05/07/2019	99-65-0	Dinitrobenzene[1,3-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-19-181368	0	<1	05/07/2019	99-99-0	Nitrotoluene[4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
INORGANIC	WST16-19-181368	0	<1	05/07/2019	Ag	Silver	1.04E-01	mg/kg	U	N	ND	1.04E-01	5.20E-01
INORGANIC	WST16-19-181368	0	<1	05/07/2019	Al	Aluminum	4.79E+03	mg/kg	E*	Y	4.79E+03	4.79E+03	2.08E+01
INORGANIC	WST16-19-181368	0	<1	05/07/2019	As	Arsenic	2.38E+00	mg/kg		Y	2.38E+00	2.38E+00	1.01E+00
INORGANIC	WST16-19-181368	0	<1	05/07/2019	Ba	Barium	2.59E+02	mg/kg	E*	Y	2.59E+02	2.59E+02	5.25E-01
INORGANIC	WST16-19-181368	0	<1	05/07/2019	Be	Beryllium	6.86E-01	mg/kg		Y	6.86E-01	6.86E-01	1.01E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
INORGANIC	WST16-19-181368	0	<1	05/07/2019	Ca	Calcium	1.83E+03	mg/kg	N*	Y	1.83E+03	1.83E+03	2.63E+01
INORGANIC	WST16-19-181368	0	<1	05/07/2019	Cd	Cadmium	1.04E-01	mg/kg	U	N	ND	1.04E-01	5.20E-01
LCMS/MS PERCHLORATE	WST16-19-181368	0	<1	05/07/2019	ClO4	Perchlorate	5.27E-04	mg/kg	U	N	ND	5.27E-04	2.11E-03
INORGANIC	WST16-19-181368	0	<1	05/07/2019	Co	Cobalt	2.72E+00	mg/kg		Y	2.72E+00	2.72E+00	5.25E-01
INORGANIC	WST16-19-181368	0	<1	05/07/2019	Cr	Chromium	3.65E+00	mg/kg	*	Y	3.65E+00	3.65E+00	1.04E+00
INORGANIC	WST16-19-181368	0	<1	05/07/2019	Cu	Copper	4.12E+00	mg/kg		Y	4.12E+00	4.12E+00	2.08E+00
INORGANIC	WST16-19-181368	0	<1	05/07/2019	Fe	Iron	5.27E+03	mg/kg	*	Y	5.27E+03	5.27E+03	2.63E+01
INORGANIC	WST16-19-181368	0	<1	05/07/2019	Hg	Mercury	7.03E-03	mg/kg	J	Y	7.03E-03	7.03E-03	1.15E-02
INORGANIC	WST16-19-181368	0	<1	05/07/2019	K	Potassium	1.08E+03	mg/kg	*	Y	1.08E+03	1.08E+03	2.60E+01
INORGANIC	WST16-19-181368	0	<1	05/07/2019	Mg	Magnesium	8.76E+02	mg/kg	E	Y	8.76E+02	8.76E+02	3.12E+01
INORGANIC	WST16-19-181368	0	<1	05/07/2019	Mn	Manganese	2.24E+02	mg/kg	N*	Y	2.24E+02	2.24E+02	1.05E+00
INORGANIC	WST16-19-181368	0	<1	05/07/2019	Na	Sodium	1.40E+02	mg/kg		Y	1.40E+02	1.40E+02	2.60E+01
INORGANIC	WST16-19-181368	0	<1	05/07/2019	Ni	Nickel	5.46E+00	mg/kg		Y	5.46E+00	5.46E+00	4.03E-01
INORGANIC	WST16-19-181368	0	<1	05/07/2019	Pb	Lead	1.35E+01	mg/kg	*	Y	1.35E+01	1.35E+01	2.08E+00
INORGANIC	WST16-19-181368	0	<1	05/07/2019	Sb	Antimony	3.43E-01	mg/kg	U	N	ND	3.43E-01	2.08E+00
INORGANIC	WST16-19-181368	0	<1	05/07/2019	Se	Selenium	1.12E+00	mg/kg		Y	1.12E+00	1.12E+00	1.01E+00
GENERAL CHEMISTRY	WST16-19-181368	0	<1	05/07/2019	TEMP	Temperature	4.00E+00	deg C		Y	4.00E+00	4.00E-06	
GENERAL CHEMISTRY	WST16-19-181368	0	<1	05/07/2019	TEMP	Temperature	2.00E+00	deg C		Y	2.00E+00	2.00E-06	
INORGANIC	WST16-19-181368	0	<1	05/07/2019	Tl	Thallium	2.44E-01	mg/kg	J	Y	2.44E-01	2.44E-01	4.03E-01
DRO	WST16-19-181368	0	<1	05/07/2019	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range C	1.38E+01	mg/kg		Y	1.38E+01	1.38E+01	6.99E+00
GRO	WST16-19-181368	0	<1	05/07/2019	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Rang	1.83E-02	mg/kg	U	N	ND	1.83E-02	1.10E-01
INORGANIC	WST16-19-181368	0	<1	05/07/2019	V	Vanadium	9.09E+00	mg/kg		Y	9.09E+00	9.09E+00	5.20E-01
INORGANIC	WST16-19-181368	0	<1	05/07/2019	Zn	Zinc	3.52E+01	mg/kg		Y	3.52E+01	3.52E+01	2.08E+00
VOC	WST16-19-184748	0	<1	08/06/2019	100-41-4	Ethylbenzene	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	100-42-5	Styrene	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	10061-01-5	Dichloropropene[cis-1,3-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	10061-02-6	Dichloropropene[trans-1,3-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	103-65-1	Propylbenzene[1-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	104-51-8	Butylbenzene[n-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	106-43-4	Chlorotoluene[4-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	106-46-7	Dichlorobenzene[1,4-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	106-93-4	Dibromoethane[1,2-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	107-06-2	Dichloroethane[1,2-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	108-10-1	Methyl-2-pentanone[4-]	1.78E-03	mg/kg	U	N	ND	1.78E-03	5.33E-03
VOC	WST16-19-184748	0	<1	08/06/2019	108-67-8	Trimethylbenzene[1,3,5-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	108-86-1	Bromobenzene	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	108-88-3	Toluene	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	108-90-7	Chlorobenzene	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	124-48-1	Chlorodibromomethane	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	127-18-4	Tetrachloroethene	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	135-98-8	Butylbenzene[sec-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	142-28-9	Dichloropropane[1,3-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	156-59-2	Dichloroethene[cis-1,2-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	156-60-5	Dichloroethene[trans-1,2-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	541-73-1	Dichlorobenzene[1,3-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	56-23-5	Carbon Tetrachloride	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	563-58-6	Dichloropropene[1,1-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	591-78-6	Hexanone[2-]	1.78E-03	mg/kg	U	N	ND	1.78E-03	5.33E-03
VOC	WST16-19-184748	0	<1	08/06/2019	594-20-7	Dichloropropane[2,2-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	630-20-6	Tetrachloroethane[1,1,1,2-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	67-64-1	Acetone	1.78E-03	mg/kg	U	N	ND	1.78E-03	5.33E-03
VOC	WST16-19-184748	0	<1	08/06/2019	67-66-3	Chloroform	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	71-43-2	Benzene	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	71-55-6	Trichloroethane[1,1,1-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	WST16-19-184748	0	<1	08/06/2019	74-83-9	Bromomethane	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	74-87-3	Chloromethane	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	74-88-4	Iodomethane	1.78E-03	mg/kg	U	N	ND	1.78E-03	5.33E-03
VOC	WST16-19-184748	0	<1	08/06/2019	74-95-3	Dibromomethane	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	74-97-5	Bromochloromethane	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	75-00-3	Chloroethane	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	75-01-4	Vinyl Chloride	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	75-09-2	Methylene Chloride	1.78E-03	mg/kg	U	N	ND	1.78E-03	5.33E-03
VOC	WST16-19-184748	0	<1	08/06/2019	75-15-0	Carbon Disulfide	1.78E-03	mg/kg	U	N	ND	1.78E-03	5.33E-03
VOC	WST16-19-184748	0	<1	08/06/2019	75-25-2	Bromoform	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	75-27-4	Bromodichloromethane	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	75-34-3	Dichloroethane[1,1-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	75-35-4	Dichloroethene[1,1-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	75-69-4	Trichlorofluoromethane	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	75-71-8	Dichlorodifluoromethane	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.78E-03	mg/kg	U	N	ND	1.78E-03	5.33E-03
VOC	WST16-19-184748	0	<1	08/06/2019	78-87-5	Dichloropropane[1,2-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	78-93-3	Butanone[2-]	1.78E-03	mg/kg	U	N	ND	1.78E-03	5.33E-03
VOC	WST16-19-184748	0	<1	08/06/2019	79-00-5	Trichloroethane[1,1,2-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	79-01-6	Trichloroethene	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	79-34-5	Tetrachloroethane[1,1,2,2-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	95-47-6	Xylene[1,2-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	95-49-8	Chlorotoluene[2-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	95-50-1	Dichlorobenzene[1,2-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	95-63-6	Trimethylbenzene[1,2,4-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.33E-04	mg/kg	U	N	ND	5.33E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	96-18-4	Trichloropropane[1,2,3-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	98-06-6	Butylbenzene[tert-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	98-82-8	Isopropylbenzene	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
VOC	WST16-19-184748	0	<1	08/06/2019	99-87-6	Isopropyltoluene[4-]	3.55E-04	mg/kg	U	N	ND	3.55E-04	1.07E-03
GENERAL CHEMISTRY	WST16-19-184748	0	<1	08/06/2019	TEMP	Temperature	3.00E+00	deg C		Y	3.00E+00	3.00E-06	
VOC	WST16-19-184748	0	<1	08/06/2019	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	7.11E-04	mg/kg	U	N	ND	7.11E-04	2.13E-03
INORGANIC	WST16-19-184749	0	<1	08/06/2019	Hg	Mercury	6.36E-03	mg/kg	J	Y	6.36E-03	6.36E-03	1.21E-02
GENERAL CHEMISTRY	WST16-19-184749	0	<1	08/06/2019	TEMP	Temperature	3.00E+00	deg C		Y	3.00E+00	3.00E-06	
VOC	WST16-19-184750	0	<1	08/06/2019	100-41-4	Ethylbenzene	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	100-42-5	Styrene	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	10061-01-5	Dichloropropene[cis-1,3-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	10061-02-6	Dichloropropene[trans-1,3-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	103-65-1	Propylbenzene[1-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	104-51-8	Butylbenzene[n-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	106-43-4	Chlorotoluene[4-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	106-46-7	Dichlorobenzene[1,4-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	106-93-4	Dibromoethane[1,2-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	107-06-2	Dichloroethane[1,2-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	108-10-1	Methyl-2-pentanone[4-]	1.90E-03	mg/kg	U	N	ND	1.90E-03	5.71E-03
VOC	WST16-19-184750	0	<1	08/06/2019	108-67-8	Trimethylbenzene[1,3,5-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	108-86-1	Bromobenzene	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	108-88-3	Toluene	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	108-90-7	Chlorobenzene	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	124-48-1	Chlorodibromomethane	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	127-18-4	Tetrachloroethene	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	135-98-8	Butylbenzene[sec-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	142-28-9	Dichloropropane[1,3-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	156-59-2	Dichloroethene[cis-1,2-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	WST16-19-184750	0	<1	08/06/2019	156-60-5	Dichloroethene[trans-1,2-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	541-73-1	Dichlorobenzene[1,3-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	56-23-5	Carbon Tetrachloride	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	563-58-6	Dichloropropene[1,1-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	591-78-6	Hexanone[2-]	1.90E-03	mg/kg	U	N	ND	1.90E-03	5.71E-03
VOC	WST16-19-184750	0	<1	08/06/2019	594-20-7	Dichloropropane[2,2-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	630-20-6	Tetrachloroethane[1,1,1,2-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	67-64-1	Acetone	1.90E-03	mg/kg	U	N	ND	1.90E-03	5.71E-03
VOC	WST16-19-184750	0	<1	08/06/2019	67-66-3	Chloroform	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	71-43-2	Benzene	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	71-55-6	Trichloroethane[1,1,1-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	74-83-9	Bromomethane	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	74-87-3	Chloromethane	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	74-88-4	Iodomethane	1.90E-03	mg/kg	U	N	ND	1.90E-03	5.71E-03
VOC	WST16-19-184750	0	<1	08/06/2019	74-95-3	Dibromomethane	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	74-97-5	Bromochloromethane	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	75-00-3	Chloroethane	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	75-01-4	Vinyl Chloride	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	75-09-2	Methylene Chloride	1.90E-03	mg/kg	U	N	ND	1.90E-03	5.71E-03
VOC	WST16-19-184750	0	<1	08/06/2019	75-15-0	Carbon Disulfide	1.90E-03	mg/kg	U	N	ND	1.90E-03	5.71E-03
VOC	WST16-19-184750	0	<1	08/06/2019	75-25-2	Bromoform	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	75-27-4	Bromodichloromethane	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	75-34-3	Dichloroethane[1,1-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	75-35-4	Dichloroethene[1,1-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	75-69-4	Trichlorofluoromethane	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	75-71-8	Dichlorodifluoromethane	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	1.90E-03	mg/kg	U	N	ND	1.90E-03	5.71E-03
VOC	WST16-19-184750	0	<1	08/06/2019	78-87-5	Dichloropropane[1,2-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	78-93-3	Butanone[2-]	1.90E-03	mg/kg	U	N	ND	1.90E-03	5.71E-03
VOC	WST16-19-184750	0	<1	08/06/2019	79-00-5	Trichloroethane[1,1,2-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	79-01-6	Trichloroethene	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	79-34-5	Tetrachloroethane[1,1,2,2-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	95-47-6	Xylene[1,2-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	95-49-8	Chlorotoluene[2-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	95-50-1	Dichlorobenzene[1,2-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	95-63-6	Trimethylbenzene[1,2,4-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	96-12-8	Dibromo-3-Chloropropane[1,2-]	5.71E-04	mg/kg	U	N	ND	5.71E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	96-18-4	Trichloropropane[1,2,3-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	98-06-6	Butylbenzene[tert-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	98-82-8	Isopropylbenzene	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
VOC	WST16-19-184750	0	<1	08/06/2019	99-87-6	Isopropyltoluene[4-]	3.80E-04	mg/kg	U	N	ND	3.80E-04	1.14E-03
GENERAL CHEMISTRY	WST16-19-184750	0	<1	08/06/2019	TEMP	Temperature	3.00E+00	deg C		Y	3.00E+00	3.00E-06	
VOC	WST16-19-184750	0	<1	08/06/2019	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	7.62E-04	mg/kg	U	N	ND	7.62E-04	2.28E-03
GENERAL CHEMISTRY	WST16-19-184757	0	<1	08/06/2019	NO3	Nitrate	4.02E+00	mg/kg		Y	4.02E+00	4.02E+00	1.09E+00
GENERAL CHEMISTRY	WST16-19-184757	0	<1	08/06/2019	TEMP	Temperature	3.00E+00	deg C		Y	3.00E+00	3.00E-06	
GENERAL CHEMISTRY	WST16-19-184758	0	<1	08/06/2019	NO3	Nitrate	6.84E-01	mg/kg	J	Y	6.84E-01	6.84E-01	1.06E+00
GENERAL CHEMISTRY	WST16-19-184758	0	<1	08/06/2019	TEMP	Temperature	3.00E+00	deg C		Y	3.00E+00	3.00E-06	
INORGANIC	WST16-22-237994	0	0.166666667	11/17/2021	Ca	Calcium	1.66E+03	mg/kg		Y	1.66E+03	1.66E+03	2.55E+01
INORGANIC	WST16-22-237994	0	0.166666667	11/17/2021	Cu	Copper	6.11E+00	mg/kg		Y	6.11E+00	6.11E+00	2.04E+00
INORGANIC	WST16-22-237994	0	0.166666667	11/17/2021	Fe	Iron	1.02E+04	mg/kg		Y	1.02E+04	1.02E+04	2.55E+01
INORGANIC	WST16-22-237994	0	0.166666667	11/17/2021	Hg	Mercury	6.64E-02	mg/kg	*	Y	6.64E-02	6.64E-02	2.40E-02
INORGANIC	WST16-22-237994	0	0.166666667	11/17/2021	K	Potassium	1.50E+03	mg/kg		Y	1.50E+03	1.50E+03	2.55E+01
INORGANIC	WST16-22-237994	0	0.166666667	11/17/2021	Mg	Magnesium	1.54E+03	mg/kg		Y	1.54E+03	1.54E+03	3.06E+01
INORGANIC	WST16-22-237994	0	0.166666667	11/17/2021	Mn	Manganese	3.70E+02	mg/kg		Y	3.70E+02	3.70E+02	1.02E+00

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
INORGANIC	WST16-22-237994	0	0.166666667	11/17/2021	Ba	Barium	1.62E+02	mg/kg		Y	1.62E+02	1.62E+02	5.10E-01
INORGANIC	WST16-22-237994	0	0.166666667	11/17/2021	Tl	Thallium	2.76E-01	mg/kg	J	Y	2.76E-01	2.76E-01	3.89E-01
INORGANIC	WST16-22-237994	0	0.166666667	11/17/2021	Se	Selenium	8.95E-01	mg/kg	J	Y	8.95E-01	8.95E-01	9.72E-01
INORGANIC	WST16-22-237994	0	0.166666667	11/17/2021	Pb	Lead	1.10E+01	mg/kg		Y	1.10E+01	1.10E+01	2.04E+00
GENERAL CHEMISTRY	WST16-22-237994	0	0.166666667	11/17/2021		Temperature	4.00E+00	deg C		Y	4.00E+00	4.00E+00	
INORGANIC	WST16-22-237994	0	0.166666667	11/17/2021	V	Vanadium	2.12E+01	mg/kg		Y	2.12E+01	2.12E+01	5.10E-01
INORGANIC	WST16-22-237994	0	0.166666667	11/17/2021	Zn	Zinc	2.05E+01	mg/kg		Y	2.05E+01	2.05E+01	2.04E+00
INORGANIC	WST16-22-237994	0	0.166666667	11/17/2021	Be	Beryllium	9.89E-01	mg/kg		Y	9.89E-01	9.89E-01	9.72E-02
INORGANIC	WST16-22-237994	0	0.166666667	11/17/2021	Co	Cobalt	5.47E+00	mg/kg		Y	5.47E+00	5.47E+00	5.10E-01
INORGANIC	WST16-22-237994	0	0.166666667	11/17/2021	Cr	Chromium	6.78E+00	mg/kg		Y	6.78E+00	6.78E+00	1.02E+00
INORGANIC	WST16-22-237994	0	0.166666667	11/17/2021	Na	Sodium	7.54E+01	mg/kg		Y	7.54E+01	7.54E+01	2.55E+01
INORGANIC	WST16-22-237994	0	0.166666667	11/17/2021	Ni	Nickel	8.42E+00	mg/kg		Y	8.42E+00	8.42E+00	3.89E-01
INORGANIC	WST16-22-237994	0	0.166666667	11/17/2021	Al	Aluminum	6.72E+03	mg/kg		Y	6.72E+03	6.72E+03	2.04E+01
INORGANIC	WST16-22-237994	0	0.166666667	11/17/2021	As	Arsenic	2.98E+00	mg/kg		Y	2.98E+00	2.98E+00	9.72E-01
INORGANIC	WST16-22-237994	0	0.166666667	11/17/2021	Cd	Cadmium	1.02E-01	mg/kg	U	N	ND	1.02E-01	5.10E-01
INORGANIC	WST16-22-237994	0	0.166666667	11/17/2021	Sb	Antimony	3.37E-01	mg/kg	U	N	ND	3.37E-01	2.04E+00
INORGANIC	WST16-22-237994	0	0.166666667	11/17/2021	Ag	Silver	1.02E-01	mg/kg	U	N	ND	1.02E-01	5.10E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237994	0	0.166666667	11/17/2021	618-87-1	3,5-Dinitroaniline	2.78E-01	mg/kg	U	N	ND	2.78E-01	9.26E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237994	0	0.166666667	11/17/2021	6629-29-4	2,4-Diamino-6-nitrotoluene	4.63E-01	mg/kg	U	N	ND	4.63E-01	1.85E+00
LCMS/MS HIGH EXPLOSIVES	WST16-22-237994	0	0.166666667	11/17/2021	78-11-5	PETN	2.31E-01	mg/kg	U	N	ND	2.31E-01	9.26E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237994	0	0.166666667	11/17/2021	78-30-8	Tris (o-cresyl) phosphate	2.78E-01	mg/kg	U	N	ND	2.78E-01	9.26E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237994	0	0.166666667	11/17/2021	88-72-2	Nitrotoluene[2-]	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237994	0	0.166666667	11/17/2021	98-95-3	Nitrobenzene	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237994	0	0.166666667	11/17/2021	99-08-1	Nitrotoluene[3-]	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237994	0	0.166666667	11/17/2021	99-35-4	Trinitrobenzene[1,3,5-]	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237994	0	0.166666667	11/17/2021	99-65-0	Dinitrobenzene[1,3-]	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237994	0	0.166666667	11/17/2021	99-99-0	Nitrotoluene[4-]	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237994	0	0.166666667	11/17/2021	118-96-7	Trinitrotoluene[2,4,6-]	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237994	0	0.166666667	11/17/2021	121-14-2	Dinitrotoluene[2,4-]	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237994	0	0.166666667	11/17/2021	121-82-4	RDX	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237994	0	0.166666667	11/17/2021	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237994	0	0.166666667	11/17/2021	2691-41-0	HMX	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237994	0	0.166666667	11/17/2021	3058-38-6	TATB	2.78E-01	mg/kg	U	N	ND	2.78E-01	9.26E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237994	0	0.166666667	11/17/2021	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237994	0	0.166666667	11/17/2021	479-45-8	Tetryl	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237994	0	0.166666667	11/17/2021	59229-75-3	2,6-Diamino-4-nitrotoluene	6.11E-01	mg/kg	U	N	ND	6.11E-01	1.85E+00
LCMS/MS HIGH EXPLOSIVES	WST16-22-237994	0	0.166666667	11/17/2021	606-20-2	Dinitrotoluene[2,6-]	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	N/A	Heptachlorodibenzodioxins (Total)	1.09E-05	mg/kg	J	Y	1.09E-05	1.09E-05	4.77E-06
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	N/A	Heptachlorodibenzofurans (Total)	6.45E-06	mg/kg	J	Y	6.45E-06	6.45E-06	4.77E-06
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	7.40E-06	mg/kg	J	Y	7.40E-06	7.40E-06	9.54E-06
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	N/A	Tetrachlorodibenzofurans (Totals)	4.24E-07	mg/kg	J	Y	4.24E-07	4.24E-07	9.54E-07
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	N/A	Hexachlorodibenzofurans (Total)	1.50E-06	mg/kg	J	Y	1.50E-06	1.50E-06	4.77E-06
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	2.90E-06	mg/kg	J	Y	2.90E-06	2.90E-06	4.77E-06
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	6.40E-06	mg/kg		Y	6.40E-06	6.40E-06	4.77E-06
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	5.26E-05	mg/kg		Y	5.26E-05	5.26E-05	9.54E-06
GENERAL CHEMISTRY	WST16-22-237994	0	0.166666667	11/17/2021		Temperature	5.70E+00	deg C		Y	5.70E+00	5.70E+00	
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.77E-07	mg/kg	U	N	ND	4.77E-07	4.77E-06
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	2.40E-07	mg/kg	U	N	ND	2.40E-07	9.54E-07
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.77E-07	mg/kg	U	N	ND	4.77E-07	4.77E-06
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.77E-07	mg/kg	U	N	ND	4.77E-07	4.77E-06
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	N/A	Tetrachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	0.00E+00	9.54E-07
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	N/A	Pentachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	0.00E+00	4.77E-06
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	N/A	Pentachlorodibenzofurans (Totals)	0.00E+00	mg/kg	U	N	ND	0.00E+00	4.77E-06
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	2.40E-07	mg/kg	U	N	ND	2.40E-07	9.54E-07

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.77E-07	mg/kg	U	N	ND	4.77E-07	4.77E-06
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.77E-07	mg/kg	U	N	ND	4.77E-07	4.77E-06
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	4.77E-07	mg/kg	U	N	ND	4.77E-07	4.77E-06
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.77E-07	mg/kg	U	N	ND	4.77E-07	4.77E-06
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.77E-07	mg/kg	U	N	ND	4.77E-07	4.77E-06
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	4.77E-07	mg/kg	U	N	ND	4.77E-07	4.77E-06
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.77E-07	mg/kg	U	N	ND	4.77E-07	4.77E-06
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	N/A	Hexachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	0.00E+00	4.77E-06
HRGC/HRMS	WST16-22-237994	0	0.166666667	11/17/2021	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.77E-07	mg/kg	U	N	ND	4.77E-07	4.77E-06
INORGANIC	WST16-22-237995	0	0.166666667	11/17/2021	Fe	Iron	9.07E+03	mg/kg		Y	9.07E+03	9.07E+03	2.45E+01
INORGANIC	WST16-22-237995	0	0.166666667	11/17/2021	K	Potassium	1.15E+03	mg/kg		Y	1.15E+03	1.15E+03	2.45E+01
INORGANIC	WST16-22-237995	0	0.166666667	11/17/2021	Mg	Magnesium	1.13E+03	mg/kg		Y	1.13E+03	1.13E+03	2.94E+01
INORGANIC	WST16-22-237995	0	0.166666667	11/17/2021	Mn	Manganese	2.80E+02	mg/kg		Y	2.80E+02	2.80E+02	9.80E-01
INORGANIC	WST16-22-237995	0	0.166666667	11/17/2021	Ba	Barium	2.40E+02	mg/kg		Y	2.40E+02	2.40E+02	4.90E-01
INORGANIC	WST16-22-237995	0	0.166666667	11/17/2021	Ca	Calcium	1.76E+03	mg/kg		Y	1.76E+03	1.76E+03	2.45E+01
INORGANIC	WST16-22-237995	0	0.166666667	11/17/2021	Cu	Copper	4.74E+00	mg/kg		Y	4.74E+00	4.74E+00	1.96E+00
INORGANIC	WST16-22-237995	0	0.166666667	11/17/2021	Tl	Thallium	2.15E-01	mg/kg	J	Y	2.15E-01	2.15E-01	3.99E-01
INORGANIC	WST16-22-237995	0	0.166666667	11/17/2021	Pb	Lead	1.10E+01	mg/kg		Y	1.10E+01	1.10E+01	1.96E+00
GENERAL CHEMISTRY	WST16-22-237995	0	0.166666667	11/17/2021		Temperature	4.00E+00	deg C		Y	4.00E+00	4.00E+00	
INORGANIC	WST16-22-237995	0	0.166666667	11/17/2021	V	Vanadium	1.46E+01	mg/kg		Y	1.46E+01	1.46E+01	4.90E-01
INORGANIC	WST16-22-237995	0	0.166666667	11/17/2021	Zn	Zinc	2.41E+01	mg/kg		Y	2.41E+01	2.41E+01	1.96E+00
INORGANIC	WST16-22-237995	0	0.166666667	11/17/2021	Na	Sodium	6.24E+01	mg/kg		Y	6.24E+01	6.24E+01	2.45E+01
INORGANIC	WST16-22-237995	0	0.166666667	11/17/2021	Ni	Nickel	5.53E+00	mg/kg		Y	5.53E+00	5.53E+00	3.99E-01
INORGANIC	WST16-22-237995	0	0.166666667	11/17/2021	Se	Selenium	1.10E+00	mg/kg		Y	1.10E+00	1.10E+00	9.96E-01
INORGANIC	WST16-22-237995	0	0.166666667	11/17/2021	Be	Beryllium	6.65E-01	mg/kg		Y	6.65E-01	6.65E-01	9.96E-02
INORGANIC	WST16-22-237995	0	0.166666667	11/17/2021	Co	Cobalt	3.42E+00	mg/kg		Y	3.42E+00	3.42E+00	4.90E-01
INORGANIC	WST16-22-237995	0	0.166666667	11/17/2021	Cr	Chromium	5.19E+00	mg/kg		Y	5.19E+00	5.19E+00	9.80E-01
INORGANIC	WST16-22-237995	0	0.166666667	11/17/2021	Al	Aluminum	4.66E+03	mg/kg		Y	4.66E+03	4.66E+03	1.96E+01
INORGANIC	WST16-22-237995	0	0.166666667	11/17/2021	As	Arsenic	2.31E+00	mg/kg		Y	2.31E+00	2.31E+00	9.96E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237995	0	0.166666667	11/17/2021	118-96-7	Trinitrotoluene[2,4,6-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237995	0	0.166666667	11/17/2021	121-14-2	Dinitrotoluene[2,4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237995	0	0.166666667	11/17/2021	121-82-4	RDX	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237995	0	0.166666667	11/17/2021	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237995	0	0.166666667	11/17/2021	2691-41-0	HMX	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237995	0	0.166666667	11/17/2021	3058-38-6	TATB	2.99E-01	mg/kg	U	N	ND	2.99E-01	9.95E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237995	0	0.166666667	11/17/2021	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237995	0	0.166666667	11/17/2021	479-45-8	Tetryl	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
INORGANIC	WST16-22-237995	0	0.166666667	11/17/2021	Sb	Antimony	3.23E-01	mg/kg	U	N	ND	3.23E-01	1.96E+00
INORGANIC	WST16-22-237995	0	0.166666667	11/17/2021	Cd	Cadmium	9.80E-02	mg/kg	U	N	ND	9.80E-02	4.90E-01
INORGANIC	WST16-22-237995	0	0.166666667	11/17/2021	Ag	Silver	9.80E-02	mg/kg	U	N	ND	9.80E-02	4.90E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237995	0	0.166666667	11/17/2021	59229-75-3	2,6-Diamino-4-nitrotoluene	6.57E-01	mg/kg	U	N	ND	6.57E-01	1.99E+00
LCMS/MS HIGH EXPLOSIVES	WST16-22-237995	0	0.166666667	11/17/2021	606-20-2	Dinitrotoluene[2,6-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237995	0	0.166666667	11/17/2021	618-87-1	3,5-Dinitroaniline	2.99E-01	mg/kg	U	N	ND	2.99E-01	9.95E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237995	0	0.166666667	11/17/2021	6629-29-4	2,4-Diamino-6-nitrotoluene	4.98E-01	mg/kg	U	N	ND	4.98E-01	1.99E+00
LCMS/MS HIGH EXPLOSIVES	WST16-22-237995	0	0.166666667	11/17/2021	78-11-5	PETN	2.49E-01	mg/kg	U	N	ND	2.49E-01	9.95E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237995	0	0.166666667	11/17/2021	78-30-8	Tris (o-cresyl) phosphate	2.99E-01	mg/kg	U	N	ND	2.99E-01	9.95E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237995	0	0.166666667	11/17/2021	88-72-2	Nitrotoluene[2-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237995	0	0.166666667	11/17/2021	98-95-3	Nitrobenzene	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237995	0	0.166666667	11/17/2021	99-08-1	Nitrotoluene[3-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237995	0	0.166666667	11/17/2021	99-35-4	Trinitrobenzene[1,3,5-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237995	0	0.166666667	11/17/2021	99-65-0	Dinitrobenzene[1,3-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-237995	0	0.166666667	11/17/2021	99-99-0	Nitrotoluene[4-]	1.49E-01	mg/kg	U	N	ND	1.49E-01	4.98E-01
INORGANIC	WST16-22-237995	0	0.166666667	11/17/2021	Hg	Mercury	8.56E-03	mg/kg	U*	N	ND	8.56E-03	2.55E-02
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	N/A	Pentachlorodibenzofurans (Totals)	1.25E-05	mg/kg	J	Y	1.25E-05	1.25E-05	4.59E-06

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	N/A	Pentachlorodibenzodioxins (Total)	5.97E-06	mg/kg	J	Y	5.97E-06	5.97E-06	4.59E-06
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	N/A	Hexachlorodibenzodioxins (Total)	6.85E-05	mg/kg	J	Y	6.85E-05	6.85E-05	4.59E-06
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	1.70E-06	mg/kg	J	Y	1.70E-06	1.70E-06	4.59E-06
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	N/A	Tetrachlorodibenzodioxins (Total)	5.85E-07	mg/kg	J	Y	5.85E-07	5.85E-07	9.17E-07
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	N/A	Tetrachlorodibenzofurans (Totals)	2.85E-06	mg/kg	J	Y	2.85E-06	2.85E-06	9.17E-07
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	2.80E-06	mg/kg	J	Y	2.80E-06	2.80E-06	4.59E-06
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	N/A	Heptachlorodibenzofurans (Total)	1.41E-04	mg/kg	J	Y	1.41E-04	1.41E-04	4.59E-06
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.37E-06	mg/kg	J	Y	4.37E-06	4.37E-06	4.59E-06
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	3.82E-06	mg/kg	J	Y	3.82E-06	3.82E-06	4.59E-06
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	N/A	Hexachlorodibenzofurans (Total)	6.87E-05	mg/kg	J	Y	6.87E-05	6.87E-05	4.59E-06
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	2.42E-06	mg/kg	J	Y	2.42E-06	2.42E-06	4.59E-06
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	3.56E-06	mg/kg	J	Y	3.56E-06	3.56E-06	4.59E-06
GENERAL CHEMISTRY	WST16-22-237995	0	0.166666667	11/17/2021		Temperature	5.70E+00	deg C		Y	5.70E+00	5.70E+00	
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.93E-04	mg/kg		Y	1.93E-04	1.93E-04	4.59E-06
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	7.12E-06	mg/kg		Y	7.12E-06	7.12E-06	4.59E-06
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	8.59E-06	mg/kg		Y	8.59E-06	8.59E-06	4.59E-06
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.10E-03	mg/kg		Y	1.10E-03	1.10E-03	9.17E-06
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	N/A	Heptachlorodibenzodioxins (Total)	3.35E-04	mg/kg		Y	3.35E-04	3.35E-04	4.59E-06
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.12E-04	mg/kg		Y	1.12E-04	1.12E-04	9.17E-06
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	6.95E-05	mg/kg		Y	6.95E-05	6.95E-05	4.59E-06
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	2.64E-07	mg/kg	U	N	ND	2.64E-07	9.17E-07
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	2.70E-07	mg/kg	U	N	ND	2.70E-07	9.17E-07
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.59E-07	mg/kg	U	N	ND	4.59E-07	4.59E-06
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	4.59E-07	mg/kg	U	N	ND	4.59E-07	4.59E-06
HRGC/HRMS	WST16-22-237995	0	0.166666667	11/17/2021	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	6.95E-07	mg/kg	U	N	ND	6.95E-07	4.59E-06
INORGANIC	WST16-22-238006	0	0.166666667	11/17/2021	Ca	Calcium	3.36E+03	mg/kg		Y	3.36E+03	3.36E+03	2.67E+01
INORGANIC	WST16-22-238006	0	0.166666667	11/17/2021	Cu	Copper	7.07E+00	mg/kg		Y	7.07E+00	7.07E+00	2.13E+00
INORGANIC	WST16-22-238006	0	0.166666667	11/17/2021	Fe	Iron	1.08E+04	mg/kg		Y	1.08E+04	1.08E+04	2.67E+01
INORGANIC	WST16-22-238006	0	0.166666667	11/17/2021	Hg	Mercury	1.11E-02	mg/kg	J*	Y	1.11E-02	1.11E-02	2.29E-02
INORGANIC	WST16-22-238006	0	0.166666667	11/17/2021	K	Potassium	1.71E+03	mg/kg		Y	1.71E+03	1.71E+03	2.67E+01
INORGANIC	WST16-22-238006	0	0.166666667	11/17/2021	Mg	Magnesium	1.66E+03	mg/kg		Y	1.66E+03	1.66E+03	3.20E+01
INORGANIC	WST16-22-238006	0	0.166666667	11/17/2021	Mn	Manganese	4.09E+02	mg/kg		Y	4.09E+02	4.09E+02	1.07E+00
INORGANIC	WST16-22-238006	0	0.166666667	11/17/2021	Ba	Barium	3.47E+02	mg/kg		Y	3.47E+02	3.47E+02	5.34E-01
INORGANIC	WST16-22-238006	0	0.166666667	11/17/2021	Se	Selenium	1.02E+00	mg/kg	J	Y	1.02E+00	1.02E+00	1.03E+00
INORGANIC	WST16-22-238006	0	0.166666667	11/17/2021	Tl	Thallium	2.44E-01	mg/kg	J	Y	2.44E-01	2.44E-01	4.13E-01
INORGANIC	WST16-22-238006	0	0.166666667	11/17/2021	Pb	Lead	1.45E+01	mg/kg		Y	1.45E+01	1.45E+01	2.13E+00
INORGANIC	WST16-22-238006	0	0.166666667	11/17/2021	Co	Cobalt	5.04E+00	mg/kg		Y	5.04E+00	5.04E+00	5.34E-01
INORGANIC	WST16-22-238006	0	0.166666667	11/17/2021	Cr	Chromium	7.26E+00	mg/kg		Y	7.26E+00	7.26E+00	1.07E+00
GENERAL CHEMISTRY	WST16-22-238006	0	0.166666667	11/17/2021		Temperature	4.00E+00	deg C		Y	4.00E+00	4.00E+00	
INORGANIC	WST16-22-238006	0	0.166666667	11/17/2021	V	Vanadium	2.09E+01	mg/kg		Y	2.09E+01	2.09E+01	5.34E-01
INORGANIC	WST16-22-238006	0	0.166666667	11/17/2021	Zn	Zinc	3.09E+01	mg/kg		Y	3.09E+01	3.09E+01	2.13E+00
INORGANIC	WST16-22-238006	0	0.166666667	11/17/2021	Na	Sodium	6.60E+01	mg/kg		Y	6.60E+01	6.60E+01	2.67E+01
INORGANIC	WST16-22-238006	0	0.166666667	11/17/2021	Ni	Nickel	7.86E+00	mg/kg		Y	7.86E+00	7.86E+00	4.13E-01
INORGANIC	WST16-22-238006	0	0.166666667	11/17/2021	Al	Aluminum	7.85E+03	mg/kg		Y	7.85E+03	7.85E+03	2.13E+01
INORGANIC	WST16-22-238006	0	0.166666667	11/17/2021	As	Arsenic	3.16E+00	mg/kg		Y	3.16E+00	3.16E+00	1.03E+00
INORGANIC	WST16-22-238006	0	0.166666667	11/17/2021	Be	Beryllium	8.66E-01	mg/kg		Y	8.66E-01	8.66E-01	1.03E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238006	0	0.166666667	11/17/2021	118-96-7	Trinitrotoluene[2,4,6-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238006	0	0.166666667	11/17/2021	121-14-2	Dinitrotoluene[2,4-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238006	0	0.166666667	11/17/2021	121-82-4	RDX	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238006	0	0.166666667	11/17/2021	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238006	0	0.166666667	11/17/2021	2691-41-0	HMX	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238006	0	0.166666667	11/17/2021	3058-38-6	TATB	2.87E-01	mg/kg	U	N	ND	2.87E-01	9.57E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238006	0	0.166666667	11/17/2021	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238006	0	0.166666667	11/17/2021	479-45-8	Tetryl	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
INORGANIC	WST16-22-238006	0	0.166666667	11/17/2021	Cd	Cadmium	1.07E-01	mg/kg	U	N	ND	1.07E-01	5.34E-01
INORGANIC	WST16-22-238006	0	0.166666667	11/17/2021	Sb	Antimony	3.52E-01	mg/kg	U	N	ND	3.52E-01	2.13E+00
INORGANIC	WST16-22-238006	0	0.166666667	11/17/2021	Ag	Silver	1.07E-01	mg/kg	U	N	ND	1.07E-01	5.34E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238006	0	0.166666667	11/17/2021	59229-75-3	2,6-Diamino-4-nitrotoluene	6.32E-01	mg/kg	U	N	ND	6.32E-01	1.91E+00
LCMS/MS HIGH EXPLOSIVES	WST16-22-238006	0	0.166666667	11/17/2021	606-20-2	Dinitrotoluene[2,6-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238006	0	0.166666667	11/17/2021	618-87-1	3,5-Dinitroaniline	2.87E-01	mg/kg	U	N	ND	2.87E-01	9.57E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238006	0	0.166666667	11/17/2021	6629-29-4	2,4-Diamino-6-nitrotoluene	4.78E-01	mg/kg	U	N	ND	4.78E-01	1.91E+00
LCMS/MS HIGH EXPLOSIVES	WST16-22-238006	0	0.166666667	11/17/2021	78-11-5	PETN	2.39E-01	mg/kg	U	N	ND	2.39E-01	9.57E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238006	0	0.166666667	11/17/2021	78-30-8	Tris (o-cresyl) phosphate	2.87E-01	mg/kg	U	N	ND	2.87E-01	9.57E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238006	0	0.166666667	11/17/2021	88-72-2	Nitrotoluene[2-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238006	0	0.166666667	11/17/2021	98-95-3	Nitrobenzene	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238006	0	0.166666667	11/17/2021	99-08-1	Nitrotoluene[3-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238006	0	0.166666667	11/17/2021	99-35-4	Trinitrobenzene[1,3,5-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238006	0	0.166666667	11/17/2021	99-65-0	Dinitrobenzene[1,3-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238006	0	0.166666667	11/17/2021	99-99-0	Nitrotoluene[4-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.78E-01
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	N/A	Pentachlorodibenzofurans (Totals)	2.89E-06	mg/kg	J	Y	2.89E-06	2.89E-06	4.56E-06
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	N/A	Pentachlorodibenzodioxins (Total)	6.24E-07	mg/kg	J	Y	6.24E-07	6.24E-07	4.56E-06
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	N/A	Hexachlorodibenzodioxins (Total)	1.68E-05	mg/kg	J	Y	1.68E-05	1.68E-05	4.56E-06
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	6.24E-07	mg/kg	J	Y	6.24E-07	6.24E-07	4.56E-06
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	N/A	Tetrachlorodibenzodioxins (Total)	1.10E-06	mg/kg	J	Y	1.10E-06	1.10E-06	9.12E-07
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	N/A	Tetrachlorodibenzofurans (Totals)	8.83E-07	mg/kg	J	Y	8.83E-07	8.83E-07	9.12E-07
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	9.38E-07	mg/kg	J	Y	9.38E-07	9.38E-07	4.56E-06
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	2.36E-06	mg/kg	J	Y	2.36E-06	2.36E-06	4.56E-06
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	2.49E-06	mg/kg	J	Y	2.49E-06	2.49E-06	4.56E-06
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	N/A	Heptachlorodibenzofurans (Total)	4.64E-05	mg/kg	J	Y	4.64E-05	4.64E-05	4.56E-06
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	1.18E-06	mg/kg	J	Y	1.18E-06	1.18E-06	4.56E-06
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.53E-06	mg/kg	JK	Y	1.53E-06	1.53E-06	4.56E-06
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	N/A	Hexachlorodibenzofurans (Total)	1.89E-05	mg/kg	J	Y	1.89E-05	1.89E-05	4.56E-06
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.01E-06	mg/kg	J	Y	1.01E-06	1.01E-06	4.56E-06
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.08E-06	mg/kg	J	Y	1.08E-06	1.08E-06	4.56E-06
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	6.34E-05	mg/kg		Y	6.34E-05	6.34E-05	4.56E-06
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	4.26E-04	mg/kg		Y	4.26E-04	4.26E-04	9.12E-06
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	N/A	Heptachlorodibenzodioxins (Total)	1.04E-04	mg/kg		Y	1.04E-04	1.04E-04	4.56E-06
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	5.41E-05	mg/kg		Y	5.41E-05	5.41E-05	9.12E-06
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	2.11E-05	mg/kg		Y	2.11E-05	2.11E-05	4.56E-06
GENERAL CHEMISTRY	WST16-22-238006	0	0.166666667	11/17/2021		Temperature	5.70E+00	deg C		Y	5.70E+00	5.70E+00	
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	2.26E-07	mg/kg	U	N	ND	2.26E-07	9.12E-07
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	2.96E-07	mg/kg	U	N	ND	2.96E-07	9.12E-07
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.56E-07	mg/kg	U	N	ND	4.56E-07	4.56E-06
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	4.56E-07	mg/kg	U	N	ND	4.56E-07	4.56E-06
HRGC/HRMS	WST16-22-238006	0	0.166666667	11/17/2021	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.71E-07	mg/kg	U	N	ND	4.71E-07	4.56E-06
INORGANIC	WST16-22-238007	0	0.166666667	11/17/2021	Fe	Iron	8.31E+03	mg/kg		Y	8.31E+03	8.31E+03	2.28E+01
INORGANIC	WST16-22-238007	0	0.166666667	11/17/2021	Hg	Mercury	9.50E-03	mg/kg	J*	Y	9.50E-03	9.50E-03	2.38E-02
INORGANIC	WST16-22-238007	0	0.166666667	11/17/2021	K	Potassium	1.21E+03	mg/kg		Y	1.21E+03	1.21E+03	2.28E+01
INORGANIC	WST16-22-238007	0	0.166666667	11/17/2021	Mg	Magnesium	1.55E+03	mg/kg		Y	1.55E+03	1.55E+03	2.74E+01
INORGANIC	WST16-22-238007	0	0.166666667	11/17/2021	Mn	Manganese	3.46E+02	mg/kg		Y	3.46E+02	3.46E+02	9.13E-01
INORGANIC	WST16-22-238007	0	0.166666667	11/17/2021	Ba	Barium	1.66E+02	mg/kg		Y	1.66E+02	1.66E+02	4.56E-01
INORGANIC	WST16-22-238007	0	0.166666667	11/17/2021	Ca	Calcium	2.02E+03	mg/kg		Y	2.02E+03	2.02E+03	2.28E+01
INORGANIC	WST16-22-238007	0	0.166666667	11/17/2021	Cu	Copper	3.62E+00	mg/kg		Y	3.62E+00	3.62E+00	1.83E+00
INORGANIC	WST16-22-238007	0	0.166666667	11/17/2021	Tl	Thallium	1.69E-01	mg/kg	J	Y	1.69E-01	1.69E-01	3.98E-01
INORGANIC	WST16-22-238007	0	0.166666667	11/17/2021	Se	Selenium	8.19E-01	mg/kg	J	Y	8.19E-01	8.19E-01	9.95E-01
INORGANIC	WST16-22-238007	0	0.166666667	11/17/2021	Pb	Lead	1.03E+01	mg/kg		Y	1.03E+01	1.03E+01	1.83E+00
GENERAL CHEMISTRY	WST16-22-238007	0	0.166666667	11/17/2021		Temperature	4.00E+00	deg C		Y	4.00E+00	4.00E+00	
INORGANIC	WST16-22-238007	0	0.166666667	11/17/2021	V	Vanadium	1.75E+01	mg/kg		Y	1.75E+01	1.75E+01	4.56E-01

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
INORGANIC	WST16-22-238007	0	0.166666667	11/17/2021	Zn	Zinc	2.01E+01	mg/kg		Y	2.01E+01	2.01E+01	1.83E+00
INORGANIC	WST16-22-238007	0	0.166666667	11/17/2021	Na	Sodium	4.86E+01	mg/kg		Y	4.86E+01	4.86E+01	2.28E+01
INORGANIC	WST16-22-238007	0	0.166666667	11/17/2021	Ni	Nickel	5.50E+00	mg/kg		Y	5.50E+00	5.50E+00	3.98E-01
INORGANIC	WST16-22-238007	0	0.166666667	11/17/2021	Al	Aluminum	4.76E+03	mg/kg		Y	4.76E+03	4.76E+03	1.83E+01
INORGANIC	WST16-22-238007	0	0.166666667	11/17/2021	As	Arsenic	2.11E+00	mg/kg		Y	2.11E+00	2.11E+00	9.95E-01
INORGANIC	WST16-22-238007	0	0.166666667	11/17/2021	Be	Beryllium	6.28E-01	mg/kg		Y	6.28E-01	6.28E-01	9.95E-02
INORGANIC	WST16-22-238007	0	0.166666667	11/17/2021	Co	Cobalt	4.47E+00	mg/kg		Y	4.47E+00	4.47E+00	4.56E-01
INORGANIC	WST16-22-238007	0	0.166666667	11/17/2021	Cr	Chromium	5.88E+00	mg/kg		Y	5.88E+00	5.88E+00	9.13E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238007	0	0.166666667	11/17/2021	118-96-7	Trinitrotoluene[2,4,6-]	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238007	0	0.166666667	11/17/2021	121-14-2	Dinitrotoluene[2,4-]	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238007	0	0.166666667	11/17/2021	121-82-4	RDX	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238007	0	0.166666667	11/17/2021	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238007	0	0.166666667	11/17/2021	2691-41-0	HMX	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238007	0	0.166666667	11/17/2021	3058-38-6	TATB	2.78E-01	mg/kg	U	N	ND	2.78E-01	9.26E-01
INORGANIC	WST16-22-238007	0	0.166666667	11/17/2021	Sb	Antimony	3.01E-01	mg/kg	U	N	ND	3.01E-01	1.83E+00
INORGANIC	WST16-22-238007	0	0.166666667	11/17/2021	Cd	Cadmium	9.13E-02	mg/kg	U	N	ND	9.13E-02	4.56E-01
INORGANIC	WST16-22-238007	0	0.166666667	11/17/2021	Ag	Silver	9.13E-02	mg/kg	U	N	ND	9.13E-02	4.56E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238007	0	0.166666667	11/17/2021	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238007	0	0.166666667	11/17/2021	479-45-8	Tetryl	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238007	0	0.166666667	11/17/2021	59229-75-3	2,6-Diamino-4-nitrotoluene	6.11E-01	mg/kg	U	N	ND	6.11E-01	1.85E+00
LCMS/MS HIGH EXPLOSIVES	WST16-22-238007	0	0.166666667	11/17/2021	606-20-2	Dinitrotoluene[2,6-]	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238007	0	0.166666667	11/17/2021	618-87-1	3,5-Dinitroaniline	2.78E-01	mg/kg	U	N	ND	2.78E-01	9.26E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238007	0	0.166666667	11/17/2021	6629-29-4	2,4-Diamino-6-nitrotoluene	4.63E-01	mg/kg	U	N	ND	4.63E-01	1.85E+00
LCMS/MS HIGH EXPLOSIVES	WST16-22-238007	0	0.166666667	11/17/2021	78-11-5	PETN	2.31E-01	mg/kg	U	N	ND	2.31E-01	9.26E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238007	0	0.166666667	11/17/2021	78-30-8	Tris (o-cresyl) phosphate	2.78E-01	mg/kg	U	N	ND	2.78E-01	9.26E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238007	0	0.166666667	11/17/2021	88-72-2	Nitrotoluene[2-]	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238007	0	0.166666667	11/17/2021	98-95-3	Nitrobenzene	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238007	0	0.166666667	11/17/2021	99-08-1	Nitrotoluene[3-]	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238007	0	0.166666667	11/17/2021	99-35-4	Trinitrobenzene[1,3,5-]	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238007	0	0.166666667	11/17/2021	99-65-0	Dinitrobenzene[1,3-]	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238007	0	0.166666667	11/17/2021	99-99-0	Nitrotoluene[4-]	1.39E-01	mg/kg	U	N	ND	1.39E-01	4.63E-01
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	1.35E-06	mg/kg	J	Y	1.35E-06	1.35E-06	4.45E-06
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	N/A	Tetrachlorodibenzodioxins (Total)	5.37E-07	mg/kg	J	Y	5.37E-07	5.37E-07	8.89E-07
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	N/A	Heptachlorodibenzodioxins (Total)	5.93E-06	mg/kg	J	Y	5.93E-06	5.93E-06	4.45E-06
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	N/A	Heptachlorodibenzofurans (Total)	1.35E-06	mg/kg	J	Y	1.35E-06	1.35E-06	4.45E-06
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	3.40E-06	mg/kg	J	Y	3.40E-06	3.40E-06	4.45E-06
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	2.04E-05	mg/kg		Y	2.04E-05	2.04E-05	8.89E-06
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	2.21E-06	mg/kg	J	Y	2.21E-06	2.21E-06	8.89E-06
GENERAL CHEMISTRY	WST16-22-238007	0	0.166666667	11/17/2021		Temperature	5.70E+00	deg C		Y	5.70E+00	5.70E+00	
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	N/A	Pentachlorodibenzofurans (Totals)	0.00E+00	mg/kg	U	N	ND	0.00E+00	4.45E-06
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	N/A	Hexachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	0.00E+00	4.45E-06
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	2.51E-07	mg/kg	U	N	ND	2.51E-07	8.89E-07
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	4.45E-07	mg/kg	U	N	ND	4.45E-07	4.45E-06
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.45E-07	mg/kg	U	N	ND	4.45E-07	4.45E-06
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	N/A	Tetrachlorodibenzofurans (Totals)	0.00E+00	mg/kg	U	N	ND	0.00E+00	8.89E-07
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.45E-07	mg/kg	U	N	ND	4.45E-07	4.45E-06
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	4.45E-07	mg/kg	U	N	ND	4.45E-07	4.45E-06
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.45E-07	mg/kg	U	N	ND	4.45E-07	4.45E-06
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.45E-07	mg/kg	U	N	ND	4.45E-07	4.45E-06
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	4.45E-07	mg/kg	U	N	ND	4.45E-07	4.45E-06
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.45E-07	mg/kg	U	N	ND	4.45E-07	4.45E-06
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	2.28E-07	mg/kg	U	N	ND	2.28E-07	8.89E-07
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.45E-07	mg/kg	U	N	ND	4.45E-07	4.45E-06
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.45E-07	mg/kg	U	N	ND	4.45E-07	4.45E-06

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.45E-07	mg/kg	U	N	ND	4.45E-07	4.45E-06
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	N/A	Hexachlorodibenzofurans (Total)	0.00E+00	mg/kg	U	N	ND	0.00E+00	4.45E-06
HRGC/HRMS	WST16-22-238007	0	0.166666667	11/17/2021	N/A	Pentachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	0.00E+00	4.45E-06
INORGANIC	WST16-22-238008	0	0.166666667	11/17/2021	K	Potassium	1.32E+03	mg/kg		Y	1.32E+03	1.32E+03	2.56E+01
INORGANIC	WST16-22-238008	0	0.166666667	11/17/2021	Mg	Magnesium	1.28E+03	mg/kg		Y	1.28E+03	1.28E+03	3.07E+01
INORGANIC	WST16-22-238008	0	0.166666667	11/17/2021	Mn	Manganese	2.97E+02	mg/kg		Y	2.97E+02	2.97E+02	1.02E+00
INORGANIC	WST16-22-238008	0	0.166666667	11/17/2021	Ba	Barium	2.81E+02	mg/kg		Y	2.81E+02	2.81E+02	5.12E-01
INORGANIC	WST16-22-238008	0	0.166666667	11/17/2021	Ca	Calcium	1.76E+03	mg/kg		Y	1.76E+03	1.76E+03	2.56E+01
INORGANIC	WST16-22-238008	0	0.166666667	11/17/2021	Cu	Copper	4.77E+00	mg/kg		Y	4.77E+00	4.77E+00	2.05E+00
INORGANIC	WST16-22-238008	0	0.166666667	11/17/2021	Fe	Iron	1.02E+04	mg/kg		Y	1.02E+04	1.02E+04	2.56E+01
INORGANIC	WST16-22-238008	0	0.166666667	11/17/2021	Hg	Mercury	8.11E-03	mg/kg	J*	Y	8.11E-03	8.11E-03	2.38E-02
INORGANIC	WST16-22-238008	0	0.166666667	11/17/2021	Tl	Thallium	1.97E-01	mg/kg	J	Y	1.97E-01	1.97E-01	3.64E-01
INORGANIC	WST16-22-238008	0	0.166666667	11/17/2021	Pb	Lead	1.17E+01	mg/kg		Y	1.17E+01	1.17E+01	2.05E+00
GENERAL CHEMISTRY	WST16-22-238008	0	0.166666667	11/17/2021		Temperature	4.00E+00	deg C		Y	4.00E+00	4.00E+00	
INORGANIC	WST16-22-238008	0	0.166666667	11/17/2021	V	Vanadium	1.63E+01	mg/kg		Y	1.63E+01	1.63E+01	5.12E-01
INORGANIC	WST16-22-238008	0	0.166666667	11/17/2021	Zn	Zinc	2.97E+01	mg/kg		Y	2.97E+01	2.97E+01	2.05E+00
INORGANIC	WST16-22-238008	0	0.166666667	11/17/2021	Na	Sodium	7.16E+01	mg/kg		Y	7.16E+01	7.16E+01	2.56E+01
INORGANIC	WST16-22-238008	0	0.166666667	11/17/2021	Ni	Nickel	5.58E+00	mg/kg		Y	5.58E+00	5.58E+00	3.64E-01
INORGANIC	WST16-22-238008	0	0.166666667	11/17/2021	Se	Selenium	1.11E+00	mg/kg		Y	1.11E+00	1.11E+00	9.11E-01
INORGANIC	WST16-22-238008	0	0.166666667	11/17/2021	Be	Beryllium	6.44E-01	mg/kg		Y	6.44E-01	6.44E-01	9.11E-02
INORGANIC	WST16-22-238008	0	0.166666667	11/17/2021	Co	Cobalt	3.55E+00	mg/kg		Y	3.55E+00	3.55E+00	5.12E-01
INORGANIC	WST16-22-238008	0	0.166666667	11/17/2021	Cr	Chromium	6.12E+00	mg/kg		Y	6.12E+00	6.12E+00	1.02E+00
INORGANIC	WST16-22-238008	0	0.166666667	11/17/2021	Al	Aluminum	5.42E+03	mg/kg		Y	5.42E+03	5.42E+03	2.05E+01
INORGANIC	WST16-22-238008	0	0.166666667	11/17/2021	As	Arsenic	2.47E+00	mg/kg		Y	2.47E+00	2.47E+00	9.11E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238008	0	0.166666667	11/17/2021	118-96-7	Trinitrotoluene[2,4,6-]	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238008	0	0.166666667	11/17/2021	121-14-2	Dinitrotoluene[2,4-]	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238008	0	0.166666667	11/17/2021	121-82-4	RDX	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238008	0	0.166666667	11/17/2021	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238008	0	0.166666667	11/17/2021	2691-41-0	HMX	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238008	0	0.166666667	11/17/2021	3058-38-6	TATB	2.82E-01	mg/kg	U	N	ND	2.82E-01	9.39E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238008	0	0.166666667	11/17/2021	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238008	0	0.166666667	11/17/2021	479-45-8	Tetryl	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
INORGANIC	WST16-22-238008	0	0.166666667	11/17/2021	Sb	Antimony	3.38E-01	mg/kg	U	N	ND	3.38E-01	2.05E+00
INORGANIC	WST16-22-238008	0	0.166666667	11/17/2021	Cd	Cadmium	1.02E-01	mg/kg	U	N	ND	1.02E-01	5.12E-01
INORGANIC	WST16-22-238008	0	0.166666667	11/17/2021	Ag	Silver	1.02E-01	mg/kg	U	N	ND	1.02E-01	5.12E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238008	0	0.166666667	11/17/2021	59229-75-3	2,6-Diamino-4-nitrotoluene	6.20E-01	mg/kg	U	N	ND	6.20E-01	1.88E+00
LCMS/MS HIGH EXPLOSIVES	WST16-22-238008	0	0.166666667	11/17/2021	606-20-2	Dinitrotoluene[2,6-]	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238008	0	0.166666667	11/17/2021	618-87-1	3,5-Dinitroaniline	2.82E-01	mg/kg	U	N	ND	2.82E-01	9.39E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238008	0	0.166666667	11/17/2021	6629-29-4	2,4-Diamino-6-nitrotoluene	4.69E-01	mg/kg	U	N	ND	4.69E-01	1.88E+00
LCMS/MS HIGH EXPLOSIVES	WST16-22-238008	0	0.166666667	11/17/2021	78-11-5	PETN	2.35E-01	mg/kg	U	N	ND	2.35E-01	9.39E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238008	0	0.166666667	11/17/2021	78-30-8	Tris (o-cresyl) phosphate	2.82E-01	mg/kg	U	N	ND	2.82E-01	9.39E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238008	0	0.166666667	11/17/2021	88-72-2	Nitrotoluene[2-]	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238008	0	0.166666667	11/17/2021	98-95-3	Nitrobenzene	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238008	0	0.166666667	11/17/2021	99-08-1	Nitrotoluene[3-]	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238008	0	0.166666667	11/17/2021	99-35-4	Trinitrobenzene[1,3,5-]	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238008	0	0.166666667	11/17/2021	99-65-0	Dinitrobenzene[1,3-]	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238008	0	0.166666667	11/17/2021	99-99-0	Nitrotoluene[4-]	1.41E-01	mg/kg	U	N	ND	1.41E-01	4.69E-01
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	N/A	Pentachlorodibenzofurans (Totals)	9.78E-06	mg/kg	J	Y	9.78E-06	9.78E-06	4.46E-06
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	N/A	Pentachlorodibenzodioxins (Total)	6.52E-06	mg/kg	J	Y	6.52E-06	6.52E-06	4.46E-06
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	N/A	Hexachlorodibenzodioxins (Total)	5.82E-05	mg/kg	J	Y	5.82E-05	5.82E-05	4.46E-06
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	1.44E-06	mg/kg	J	Y	1.44E-06	1.44E-06	4.46E-06
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	N/A	Tetrachlorodibenzofurans (Totals)	3.62E-06	mg/kg	J	Y	3.62E-06	3.62E-06	8.91E-07
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	5.92E-07	mg/kg	J	Y	5.92E-07	5.92E-07	4.46E-06
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	2.34E-06	mg/kg	J	Y	2.34E-06	2.34E-06	4.46E-06

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	N/A	Heptachlorodibenzofurans (Total)	1.19E-04	mg/kg	J	Y	1.19E-04	1.19E-04	4.46E-06
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	3.57E-06	mg/kg	J	Y	3.57E-06	3.57E-06	4.46E-06
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	3.55E-06	mg/kg	J	Y	3.55E-06	3.55E-06	4.46E-06
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	N/A	Hexachlorodibenzofurans (Total)	5.53E-05	mg/kg	J	Y	5.53E-05	5.53E-05	4.46E-06
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.83E-06	mg/kg	J	Y	1.83E-06	1.83E-06	4.46E-06
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	3.31E-06	mg/kg	J	Y	3.31E-06	3.31E-06	4.46E-06
GENERAL CHEMISTRY	WST16-22-238008	0	0.166666667	11/17/2021		Temperature	5.70E+00	deg C		Y	5.70E+00	5.70E+00	
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.82E-04	mg/kg		Y	1.82E-04	1.82E-04	4.46E-06
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	7.00E-06	mg/kg		Y	7.00E-06	7.00E-06	4.46E-06
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	7.10E-06	mg/kg		Y	7.10E-06	7.10E-06	4.46E-06
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.13E-03	mg/kg		Y	1.13E-03	1.13E-03	8.91E-06
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	N/A	Heptachlorodibenzodioxins (Total)	3.09E-04	mg/kg		Y	3.09E-04	3.09E-04	4.46E-06
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.18E-04	mg/kg		Y	1.18E-04	1.18E-04	8.91E-06
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	5.76E-05	mg/kg		Y	5.76E-05	5.76E-05	4.46E-06
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	2.62E-07	mg/kg	U	N	ND	2.62E-07	8.91E-07
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	3.42E-07	mg/kg	U	N	ND	3.42E-07	8.91E-07
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	N/A	Tetrachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	0.00E+00	8.91E-07
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	4.46E-07	mg/kg	U	N	ND	4.46E-07	4.46E-06
HRGC/HRMS	WST16-22-238008	0	0.166666667	11/17/2021	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	7.92E-07	mg/kg	U	N	ND	7.92E-07	4.46E-06
INORGANIC	WST16-22-238009	0	0.166666667	11/17/2021	Cu	Copper	4.95E+00	mg/kg		Y	4.95E+00	4.95E+00	1.79E+00
INORGANIC	WST16-22-238009	0	0.166666667	11/17/2021	Fe	Iron	9.23E+03	mg/kg		Y	9.23E+03	9.23E+03	2.23E+01
INORGANIC	WST16-22-238009	0	0.166666667	11/17/2021	K	Potassium	1.14E+03	mg/kg		Y	1.14E+03	1.14E+03	2.23E+01
INORGANIC	WST16-22-238009	0	0.166666667	11/17/2021	Mg	Magnesium	1.06E+03	mg/kg		Y	1.06E+03	1.06E+03	2.68E+01
INORGANIC	WST16-22-238009	0	0.166666667	11/17/2021	Mn	Manganese	2.75E+02	mg/kg		Y	2.75E+02	2.75E+02	8.94E-01
INORGANIC	WST16-22-238009	0	0.166666667	11/17/2021	Ba	Barium	3.26E+02	mg/kg		Y	3.26E+02	3.26E+02	4.47E-01
INORGANIC	WST16-22-238009	0	0.166666667	11/17/2021	Ca	Calcium	1.52E+03	mg/kg		Y	1.52E+03	1.52E+03	2.23E+01
INORGANIC	WST16-22-238009	0	0.166666667	11/17/2021	Se	Selenium	9.39E-01	mg/kg	J	Y	9.39E-01	9.39E-01	9.48E-01
INORGANIC	WST16-22-238009	0	0.166666667	11/17/2021	Tl	Thallium	1.96E-01	mg/kg	J	Y	1.96E-01	1.96E-01	3.79E-01
INORGANIC	WST16-22-238009	0	0.166666667	11/17/2021	Pb	Lead	1.00E+01	mg/kg		Y	1.00E+01	1.00E+01	1.79E+00
GENERAL CHEMISTRY	WST16-22-238009	0	0.166666667	11/17/2021		Temperature	4.00E+00	deg C		Y	4.00E+00	4.00E+00	
INORGANIC	WST16-22-238009	0	0.166666667	11/17/2021	V	Vanadium	1.68E+01	mg/kg		Y	1.68E+01	1.68E+01	4.47E-01
INORGANIC	WST16-22-238009	0	0.166666667	11/17/2021	Zn	Zinc	2.28E+01	mg/kg		Y	2.28E+01	2.28E+01	1.79E+00
INORGANIC	WST16-22-238009	0	0.166666667	11/17/2021	Cr	Chromium	5.55E+00	mg/kg		Y	5.55E+00	5.55E+00	8.94E-01
INORGANIC	WST16-22-238009	0	0.166666667	11/17/2021	Na	Sodium	5.96E+01	mg/kg		Y	5.96E+01	5.96E+01	2.23E+01
INORGANIC	WST16-22-238009	0	0.166666667	11/17/2021	Ni	Nickel	5.75E+00	mg/kg		Y	5.75E+00	5.75E+00	3.79E-01
INORGANIC	WST16-22-238009	0	0.166666667	11/17/2021	Al	Aluminum	4.69E+03	mg/kg		Y	4.69E+03	4.69E+03	1.79E+01
INORGANIC	WST16-22-238009	0	0.166666667	11/17/2021	As	Arsenic	2.30E+00	mg/kg		Y	2.30E+00	2.30E+00	9.48E-01
INORGANIC	WST16-22-238009	0	0.166666667	11/17/2021	Be	Beryllium	6.57E-01	mg/kg		Y	6.57E-01	6.57E-01	9.48E-02
INORGANIC	WST16-22-238009	0	0.166666667	11/17/2021	Co	Cobalt	3.78E+00	mg/kg		Y	3.78E+00	3.78E+00	4.47E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238009	0	0.166666667	11/17/2021	118-96-7	Trinitrotoluene[2,4,6-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238009	0	0.166666667	11/17/2021	121-14-2	Dinitrotoluene[2,4-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
INORGANIC	WST16-22-238009	0	0.166666667	11/17/2021	Sb	Antimony	2.95E-01	mg/kg	U	N	ND	2.95E-01	1.79E+00
INORGANIC	WST16-22-238009	0	0.166666667	11/17/2021	Cd	Cadmium	8.94E-02	mg/kg	U	N	ND	8.94E-02	4.47E-01
INORGANIC	WST16-22-238009	0	0.166666667	11/17/2021	Ag	Silver	8.94E-02	mg/kg	U	N	ND	8.94E-02	4.47E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238009	0	0.166666667	11/17/2021	99-35-4	Trinitrobenzene[1,3,5-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238009	0	0.166666667	11/17/2021	99-65-0	Dinitrobenzene[1,3-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238009	0	0.166666667	11/17/2021	99-99-0	Nitrotoluene[4-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238009	0	0.166666667	11/17/2021	121-82-4	RDX	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238009	0	0.166666667	11/17/2021	19406-51-0	Amino-2,6-dinitrotoluene[4-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238009	0	0.166666667	11/17/2021	2691-41-0	HMX	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238009	0	0.166666667	11/17/2021	3058-38-6	TATB	2.88E-01	mg/kg	U	N	ND	2.88E-01	9.62E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238009	0	0.166666667	11/17/2021	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238009	0	0.166666667	11/17/2021	479-45-8	Tetryl	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238009	0	0.166666667	11/17/2021	59229-75-3	2,6-Diamino-4-nitrotoluene	6.35E-01	mg/kg	U	N	ND	6.35E-01	1.92E+00

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
LCMS/MS HIGH EXPLOSIVES	WST16-22-238009	0	0.166666667	11/17/2021	606-20-2	Dinitrotoluene[2,6-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238009	0	0.166666667	11/17/2021	618-87-1	3,5-Dinitroaniline	2.88E-01	mg/kg	U	N	ND	2.88E-01	9.62E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238009	0	0.166666667	11/17/2021	6629-29-4	2,4-Diamino-6-nitrotoluene	4.81E-01	mg/kg	U	N	ND	4.81E-01	1.92E+00
LCMS/MS HIGH EXPLOSIVES	WST16-22-238009	0	0.166666667	11/17/2021	78-11-5	PETN	2.40E-01	mg/kg	U	N	ND	2.40E-01	9.62E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238009	0	0.166666667	11/17/2021	78-30-8	Tris (o-cresyl) phosphate	2.88E-01	mg/kg	U	N	ND	2.88E-01	9.62E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238009	0	0.166666667	11/17/2021	98-95-3	Nitrobenzene	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238009	0	0.166666667	11/17/2021	99-08-1	Nitrotoluene[3-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
LCMS/MS HIGH EXPLOSIVES	WST16-22-238009	0	0.166666667	11/17/2021	88-72-2	Nitrotoluene[2-]	1.44E-01	mg/kg	U	N	ND	1.44E-01	4.81E-01
INORGANIC	WST16-22-238009	0	0.166666667	11/17/2021	Hg	Mercury	8.11E-03	mg/kg	U*	N	ND	8.11E-03	2.42E-02
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	N/A	Pentachlorodibenzofurans (Totals)	2.19E-05	mg/kg	J	Y	2.19E-05	2.19E-05	4.62E-06
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	N/A	Pentachlorodibenzodioxins (Total)	1.42E-05	mg/kg	J	Y	1.42E-05	1.42E-05	4.62E-06
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	N/A	Hexachlorodibenzodioxins (Total)	1.27E-04	mg/kg	J	Y	1.27E-04	1.27E-04	4.62E-06
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	2.87E-06	mg/kg	J	Y	2.87E-06	2.87E-06	4.62E-06
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	N/A	Tetrachlorodibenzofurans (Totals)	4.98E-06	mg/kg	J	Y	4.98E-06	4.98E-06	9.24E-07
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	6.95E-07	mg/kg	J	Y	6.95E-07	6.95E-07	4.62E-06
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	6.14E-07	mg/kg	J	Y	6.14E-07	6.14E-07	4.62E-06
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	4.10E-06	mg/kg	JK	Y	4.10E-06	4.10E-06	4.62E-06
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	N/A	Heptachlorodibenzofurans (Total)	3.03E-04	mg/kg	J	Y	3.03E-04	3.03E-04	4.62E-06
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	N/A	Hexachlorodibenzofurans (Total)	1.26E-04	mg/kg	J	Y	1.26E-04	1.26E-04	4.62E-06
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	4.27E-04	mg/kg		Y	4.27E-04	4.27E-04	4.62E-06
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	6.83E-06	mg/kg		Y	6.83E-06	6.83E-06	4.62E-06
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.92E-06	mg/kg		Y	4.92E-06	4.92E-06	4.62E-06
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	1.47E-05	mg/kg		Y	1.47E-05	1.47E-05	4.62E-06
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	1.40E-04	mg/kg		Y	1.40E-04	1.40E-04	4.62E-06
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.70E-05	mg/kg		Y	1.70E-05	1.70E-05	4.62E-06
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	2.67E-03	mg/kg		Y	2.67E-03	2.67E-03	9.24E-06
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	N/A	Heptachlorodibenzodioxins (Total)	7.26E-04	mg/kg		Y	7.26E-04	7.26E-04	4.62E-06
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	2.86E-04	mg/kg		Y	2.86E-04	2.86E-04	9.24E-06
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	7.92E-06	mg/kg		Y	7.92E-06	7.92E-06	4.62E-06
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	8.42E-06	mg/kg		Y	8.42E-06	8.42E-06	4.62E-06
GENERAL CHEMISTRY	WST16-22-238009	0	0.166666667	11/17/2021		Temperature	5.70E+00	deg C		Y	5.70E+00	5.70E+00	
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	2.96E-07	mg/kg	U	N	ND	2.96E-07	9.24E-07
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	N/A	Tetrachlorodibenzodioxins (Total)	0.00E+00	mg/kg	U	N	ND	0.00E+00	9.24E-07
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	1.06E-06	mg/kg	U	N	ND	1.06E-06	4.62E-06
HRGC/HRMS	WST16-22-238009	0	0.166666667	11/17/2021	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	2.94E-07	mg/kg	U	N	ND	2.94E-07	9.24E-07
SVOC	SFB-24-323273	0	1	05/14/2024	218-01-9	Chrysene	0.0114	mg/kg	U	N	ND	1.14E-02	0.0379
SVOC	SFB-24-323273	0	1	05/14/2024	132-64-9	Dibenzofuran	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	131-11-3	Dimethyl Phthalate	0.0114	mg/kg	U	N	ND	1.14E-02	0.0379
SVOC	SFB-24-323273	0	1	05/14/2024	129-00-0	Pyrene	0.0114	mg/kg	U	N	ND	1.14E-02	0.0379
SVOC	SFB-24-323273	0	1	05/14/2024	118-74-1	Hexachlorobenzene	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	117-84-0	Di-n-octylphthalate	0.0114	mg/kg	U	N	ND	1.14E-02	0.0379
SVOC	SFB-24-323273	0	1	05/14/2024	106-47-8	Chloroaniline[4-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	106-46-7	Dichlorobenzene[1,4-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	105-67-9	Dimethylphenol[2,4-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323274	1	1	05/14/2024	98-95-3	Nitrobenzene	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	99-09-2	Nitroaniline[3-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	88-06-2	Trichlorophenol[2,4,6-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	87-86-5	Pentachlorophenol	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	87-68-3	Hexachlorobutadiene	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	86-73-7	Fluorene	0.0125	mg/kg	U	N	ND	1.25E-02	0.0415
SVOC	SFB-24-323274	1	1	05/14/2024	85-68-7	Butylbenzylphthalate	0.0125	mg/kg	U	N	ND	1.25E-02	0.0415
SVOC	SFB-24-323274	1	1	05/14/2024	85-01-8	Phenanthrene	0.0125	mg/kg	U	N	ND	1.25E-02	0.0415
SVOC	SFB-24-323274	1	1	05/14/2024	84-74-2	Di-n-butylphthalate	0.0125	mg/kg	U	N	ND	1.25E-02	0.0415
SVOC	SFB-24-323274	1	1	05/14/2024	84-66-2	Diethylphthalate	0.0125	mg/kg	U	N	ND	1.25E-02	0.0415

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-24-323274	1	1	05/14/2024	77-47-4	Hexachlorocyclopentadiene	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	65794-96-9	Methylphenol[3-,4-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	621-64-7	Nitroso-di-n-propylamine[N-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	62-75-9	Nitrosodimethylamine[N-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	62-53-3	Aniline	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	56-55-3	Benzo(a)anthracene	0.0125	mg/kg	U	N	ND	1.25E-02	0.0415
SVOC	SFB-24-323274	1	1	05/14/2024	193-39-5	Indeno(1,2,3-cd)pyrene	0.0125	mg/kg	U	N	ND	1.25E-02	0.0415
SVOC	SFB-24-323274	1	1	05/14/2024	191-24-2	Benzo(g,h,i)perylene	0.0125	mg/kg	U	N	ND	1.25E-02	0.0415
SVOC	SFB-24-323274	1	1	05/14/2024	117-81-7	Bis(2-ethylhexyl)phthalate	0.0125	mg/kg	U	N	ND	1.25E-02	0.0415
SVOC	SFB-24-323274	1	1	05/14/2024	111-91-1	Bis(2-chloroethoxy)methane	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	111-44-4	Bis(2-chloroethyl)ether	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	110-86-1	Pyridine	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	108-95-2	Phenol	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	108-60-1	Oxybis(1-chloropropane)[2,2'-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	120-83-2	Dichlorophenol[2,4-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	120-82-1	Trichlorobenzene[1,2,4-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	120-12-7	Anthracene	0.0125	mg/kg	U	N	ND	1.25E-02	0.0415
SVOC	SFB-24-323273	0	1	05/14/2024	98-95-3	Nitrobenzene	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	99-09-2	Nitroaniline[3-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	88-06-2	Trichlorophenol[2,4,6-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	87-86-5	Pentachlorophenol	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	87-68-3	Hexachlorobutadiene	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	86-73-7	Fluorene	0.0114	mg/kg	U	N	ND	1.14E-02	0.0379
SVOC	SFB-24-323273	0	1	05/14/2024	85-68-7	Butylbenzylphthalate	0.0114	mg/kg	U	N	ND	1.14E-02	0.0379
SVOC	SFB-24-323273	0	1	05/14/2024	85-01-8	Phenanthrene	0.0114	mg/kg	U	N	ND	1.14E-02	0.0379
SVOC	SFB-24-323273	0	1	05/14/2024	84-74-2	Di-n-butylphthalate	0.0114	mg/kg	U	N	ND	1.14E-02	0.0379
SVOC	SFB-24-323273	0	1	05/14/2024	84-66-2	Diethylphthalate	0.0114	mg/kg	U	N	ND	1.14E-02	0.0379
SVOC	SFB-24-323273	0	1	05/14/2024	77-47-4	Hexachlorocyclopentadiene	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	65794-96-9	Methylphenol[3-,4-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	621-64-7	Nitroso-di-n-propylamine[N-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	62-75-9	Nitrosodimethylamine[N-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	62-53-3	Aniline	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	56-55-3	Benzo(a)anthracene	0.0114	mg/kg	U	N	ND	1.14E-02	0.0379
SVOC	SFB-24-323273	0	1	05/14/2024	111-91-1	Bis(2-chloroethoxy)methane	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	111-44-4	Bis(2-chloroethyl)ether	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	110-86-1	Pyridine	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	108-95-2	Phenol	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	108-60-1	Oxybis(1-chloropropane)[2,2'-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	122-39-4	Diphenylamine	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	121-14-2	Dinitrotoluene[2,4-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	120-83-2	Dichlorophenol[2,4-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	120-82-1	Trichlorobenzene[1,2,4-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	120-12-7	Anthracene	0.0114	mg/kg	U	N	ND	1.14E-02	0.0379
SVOC	SFB-24-323272	0	1	05/14/2024	99-09-2	Nitroaniline[3-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	98-95-3	Nitrobenzene	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	95-50-1	Dichlorobenzene[1,2-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
VOC	SFB-24-323274	1	1	05/14/2024	10061-01-5	Dichloropropene[cis-1,3-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	100-42-5	Styrene	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	100-41-4	Ethylbenzene	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	75-25-2	Bromoform	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	75-15-0	Carbon Disulfide	0.00209	mg/kg	U	N	ND	2.09E-03	0.00627
VOC	SFB-24-323274	1	1	05/14/2024	75-09-2	Methylene Chloride	0.00209	mg/kg	U	N	ND	2.09E-03	0.00627
VOC	SFB-24-323274	1	1	05/14/2024	75-01-4	Vinyl Chloride	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	75-00-3	Chloroethane	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-24-323274	1	1	05/14/2024	74-97-5	Bromochloromethane	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	74-95-3	Dibromomethane	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	74-88-4	Iodomethane	0.00209	mg/kg	U	N	ND	2.09E-03	0.00627
VOC	SFB-24-323274	1	1	05/14/2024	74-87-3	Chloromethane	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	74-83-9	Bromomethane	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323273	0	1	05/14/2024	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	0.000770	mg/kg	U	N	ND	7.70E-04	0.00231
VOC	SFB-24-323272	0	1	05/14/2024	75-25-2	Bromoform	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	75-15-0	Carbon Disulfide	0.00170	mg/kg	U	N	ND	1.70E-03	0.00511
VOC	SFB-24-323272	0	1	05/14/2024	75-09-2	Methylene Chloride	0.00170	mg/kg	U	N	ND	1.70E-03	0.00511
VOC	SFB-24-323272	0	1	05/14/2024	75-01-4	Vinyl Chloride	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	75-00-3	Chloroethane	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	74-97-5	Bromochloromethane	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	74-95-3	Dibromomethane	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	74-88-4	Iodomethane	0.00170	mg/kg	U	N	ND	1.70E-03	0.00511
VOC	SFB-24-323272	0	1	05/14/2024	74-87-3	Chloromethane	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	74-83-9	Bromomethane	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
SVOC	SFB-24-323271	0	1	05/14/2024	100-02-7	Nitrophenol[4-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	100-01-6	Nitroaniline[4-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323274	1	1	05/14/2024	91-94-1	Dichlorobenzidine[3,3'-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	91-58-7	Chloronaphthalene[2-]	0.0125	mg/kg	U	N	ND	1.25E-02	0.0415
SVOC	SFB-24-323274	1	1	05/14/2024	91-57-6	Methylnaphthalene[2-]	0.0125	mg/kg	U	N	ND	1.25E-02	0.0415
SVOC	SFB-24-323274	1	1	05/14/2024	91-20-3	Naphthalene	0.0125	mg/kg	U	N	ND	1.25E-02	0.0415
SVOC	SFB-24-323274	1	1	05/14/2024	88-75-5	Nitrophenol[2-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	88-74-4	Nitroaniline[2-]	0.137	mg/kg	U	N	ND	1.37E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	95-95-4	Trichlorophenol[2,4,5-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	95-57-8	Chlorophenol[2-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	95-50-1	Dichlorobenzene[1,2-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	95-48-7	Methylphenol[2-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	7005-72-3	Chlorophenyl-phenyl[4-] Ether	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	67-72-1	Hexachloroethane	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	541-73-1	Dichlorobenzene[1,3-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	534-52-1	Dinitro-2-methylphenol[4,6-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	53-70-3	Dibenz(a,h)anthracene	0.0125	mg/kg	U	N	ND	1.25E-02	0.0415
SVOC	SFB-24-323274	1	1	05/14/2024	51-28-5	Dinitrophenol[2,4-]	0.125	mg/kg	U	N	ND	1.25E-01	0.83
SVOC	SFB-24-323274	1	1	05/14/2024	50-32-8	Benzo(a)pyrene	0.0125	mg/kg	U	N	ND	1.25E-02	0.0415
SVOC	SFB-24-323274	1	1	05/14/2024	132-64-9	Dibenzofuran	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	131-11-3	Dimethyl Phthalate	0.0125	mg/kg	U	N	ND	1.25E-02	0.0415
SVOC	SFB-24-323274	1	1	05/14/2024	129-00-0	Pyrene	0.0125	mg/kg	U	N	ND	1.25E-02	0.0415
SVOC	SFB-24-323274	1	1	05/14/2024	122-39-4	Diphenylamine	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	121-14-2	Dinitrotoluene[2,4-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	118-74-1	Hexachlorobenzene	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	117-84-0	Di-n-octylphthalate	0.0125	mg/kg	U	N	ND	1.25E-02	0.0415
SVOC	SFB-24-323274	1	1	05/14/2024	106-47-8	Chloroaniline[4-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	106-46-7	Dichlorobenzene[1,4-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	105-67-9	Dimethylphenol[2,4-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323273	0	1	05/14/2024	91-94-1	Dichlorobenzidine[3,3'-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	91-58-7	Chloronaphthalene[2-]	0.0114	mg/kg	U	N	ND	1.14E-02	0.0379
SVOC	SFB-24-323273	0	1	05/14/2024	91-57-6	Methylnaphthalene[2-]	0.0114	mg/kg	U	N	ND	1.14E-02	0.0379
SVOC	SFB-24-323273	0	1	05/14/2024	91-20-3	Naphthalene	0.0114	mg/kg	U	N	ND	1.14E-02	0.0379
SVOC	SFB-24-323273	0	1	05/14/2024	88-75-5	Nitrophenol[2-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	88-74-4	Nitroaniline[2-]	0.125	mg/kg	U	N	ND	1.25E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	95-95-4	Trichlorophenol[2,4,5-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	95-57-8	Chlorophenol[2-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	95-50-1	Dichlorobenzene[1,2-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-24-323273	0	1	05/14/2024	95-48-7	Methylphenol[2-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	7005-72-3	Chlorophenyl-phenyl[4-] Ether	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	67-72-1	Hexachloroethane	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323272	0	1	05/14/2024	62-53-3	Aniline	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323271	0	1	05/14/2024	132-64-9	Dibenzofuran	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	131-11-3	Dimethyl Phthalate	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395
SVOC	SFB-24-323271	0	1	05/14/2024	129-00-0	Pyrene	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395
SVOC	SFB-24-323271	0	1	05/14/2024	122-39-4	Diphenylamine	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	88-06-2	Trichlorophenol[2,4,6-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	87-86-5	Pentachlorophenol	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	87-68-3	Hexachlorobutadiene	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	86-73-7	Fluorene	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395
SVOC	SFB-24-323271	0	1	05/14/2024	85-68-7	Butylbenzylphthalate	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395
SVOC	SFB-24-323271	0	1	05/14/2024	85-01-8	Phenanthrene	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395
SVOC	SFB-24-323271	0	1	05/14/2024	84-74-2	Di-n-butylphthalate	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395
SVOC	SFB-24-323271	0	1	05/14/2024	84-66-2	Diethylphthalate	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395
SVOC	SFB-24-323271	0	1	05/14/2024	83-32-9	Acenaphthene	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395
SVOC	SFB-24-323271	0	1	05/14/2024	106-47-8	Chloroaniline[4-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	106-46-7	Dichlorobenzene[1,4-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	78-59-1	Isophorone	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	7005-72-3	Chlorophenyl-phenyl[4-] Ether	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	67-72-1	Hexachloroethane	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	95-95-4	Trichlorophenol[2,4,5-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	95-57-8	Chlorophenol[2-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	121-14-2	Dinitrotoluene[2,4-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	120-83-2	Dichlorophenol[2,4-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	120-82-1	Trichlorobenzene[1,2,4-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	120-12-7	Anthracene	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395
SVOC	SFB-24-323271	0	1	05/14/2024	65794-96-9	Methylphenol[3-,4-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	621-64-7	Nitroso-di-n-propylamine[N-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	62-75-9	Nitrosodimethylamine[N-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	62-53-3	Aniline	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323274	1	1	05/14/2024	78-59-1	Isophorone	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	218-01-9	Chrysene	0.0125	mg/kg	U	N	ND	1.25E-02	0.0415
SVOC	SFB-24-323274	1	1	05/14/2024	208-96-8	Acenaphthylene	0.0125	mg/kg	U	N	ND	1.25E-02	0.0415
SVOC	SFB-24-323274	1	1	05/14/2024	207-08-9	Benzo(k)fluoranthene	0.0125	mg/kg	U	N	ND	1.25E-02	0.0415
SVOC	SFB-24-323274	1	1	05/14/2024	206-44-0	Fluoranthene	0.0125	mg/kg	U	N	ND	1.25E-02	0.0415
SVOC	SFB-24-323273	0	1	05/14/2024	103-33-3	Azobenzene	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	101-55-3	Bromophenyl-phenylether[4-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	100-51-6	Benzyl Alcohol	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	100-02-7	Nitrophenol[4-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	100-01-6	Nitroaniline[4-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	78-59-1	Isophorone	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323272	0	1	05/14/2024	91-58-7	Chloronaphthalene[2-]	0.0113	mg/kg	U	N	ND	1.13E-02	0.0375
SVOC	SFB-24-323272	0	1	05/14/2024	91-57-6	Methylnaphthalene[2-]	0.0113	mg/kg	U	N	ND	1.13E-02	0.0375
SVOC	SFB-24-323272	0	1	05/14/2024	91-20-3	Naphthalene	0.0113	mg/kg	U	N	ND	1.13E-02	0.0375
SVOC	SFB-24-323272	0	1	05/14/2024	88-75-5	Nitrophenol[2-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	88-74-4	Nitroaniline[2-]	0.124	mg/kg	U	N	ND	1.24E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	78-59-1	Isophorone	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	77-47-4	Hexachlorocyclopentadiene	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323271	0	1	05/14/2024	91-58-7	Chloronaphthalene[2-]	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395
SVOC	SFB-24-323271	0	1	05/14/2024	91-57-6	Methylnaphthalene[2-]	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395
SVOC	SFB-24-323271	0	1	05/14/2024	91-20-3	Naphthalene	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395
SVOC	SFB-24-323271	0	1	05/14/2024	88-75-5	Nitrophenol[2-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-24-323271	0	1	05/14/2024	88-74-4	Nitroaniline[2-]	0.13	mg/kg	U	N	ND	1.30E-01	0.395
INORGANIC	SFB-24-323274	1	1	05/14/2024	Ag	Silver	0.108	mg/kg	U	N	ND	1.08E-01	0.54
SVOC	SFB-24-323274	1	1	05/14/2024	205-99-2	Benzo(b)fluoranthene	0.0125	mg/kg	U	N	ND	1.25E-02	0.0415
LCMS/MS	SFB-24-323274	1	1	05/14/2024	ClO4	Perchlorate	0.000600	mg/kg	U	N	ND	6.00E-04	0.00240
INORGANIC	SFB-24-323274	1	1	05/14/2024	Cd	Cadmium	0.108	mg/kg	U	N	ND	1.08E-01	0.54
LCMS/MS	SFB-24-323273	0	1	05/14/2024	ClO4	Perchlorate	0.000540	mg/kg	U	N	ND	5.40E-04	0.00216
LCMS/MS	SFB-24-323272	0	1	05/14/2024	ClO4	Perchlorate	0.000519	mg/kg	U	N	ND	5.19E-04	0.00208
INORGANIC	SFB-24-323272	0	1	05/14/2024	Ag	Silver	0.101	mg/kg	U	N	ND	1.01E-01	0.506
LCMS/MS	SFB-24-323271	0	1	05/14/2024	ClO4	Perchlorate	0.000589	mg/kg	U	N	ND	5.89E-04	0.00235
INORGANIC	SFB-24-323271	0	1	05/14/2024	Ag	Silver	0.104	mg/kg	U	N	ND	1.04E-01	0.521
SVOC	SFB-24-323271	0	1	05/14/2024	541-73-1	Dichlorobenzene[1,3-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	534-52-1	Dinitro-2-methylphenol[4,6-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	53-70-3	Dibenz(a,h)anthracene	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395
SVOC	SFB-24-323272	0	1	05/14/2024	218-01-9	Chrysene	0.0113	mg/kg	U	N	ND	1.13E-02	0.0375
SVOC	SFB-24-323272	0	1	05/14/2024	95-48-7	Methylphenol[2-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	91-94-1	Dichlorobenzidine[3,3'-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	83-32-9	Acenaphthene	0.0113	mg/kg	U	N	ND	1.13E-02	0.0375
SVOC	SFB-24-323272	0	1	05/14/2024	193-39-5	Indeno(1,2,3-cd)pyrene	0.0113	mg/kg	U	N	ND	1.13E-02	0.0375
SVOC	SFB-24-323272	0	1	05/14/2024	191-24-2	Benzo(g,h,i)perylene	0.0113	mg/kg	U	N	ND	1.13E-02	0.0375
SVOC	SFB-24-323272	0	1	05/14/2024	132-64-9	Dibenzofuran	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	131-11-3	Dimethyl Phthalate	0.0113	mg/kg	U	N	ND	1.13E-02	0.0375
SVOC	SFB-24-323272	0	1	05/14/2024	129-00-0	Pyrene	0.0113	mg/kg	U	N	ND	1.13E-02	0.0375
SVOC	SFB-24-323272	0	1	05/14/2024	122-39-4	Diphenylamine	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	118-74-1	Hexachlorobenzene	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	117-84-0	Di-n-octylphthalate	0.0113	mg/kg	U	N	ND	1.13E-02	0.0375
SVOC	SFB-24-323272	0	1	05/14/2024	111-91-1	Bis(2-chloroethoxy)methane	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	111-44-4	Bis(2-chloroethyl)ether	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	110-86-1	Pyridine	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	108-95-2	Phenol	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	105-67-9	Dimethylphenol[2,4-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	103-33-3	Azobenzene	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	101-55-3	Bromophenyl-phenylether[4-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323271	0	1	05/14/2024	99-09-2	Nitroaniline[3-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	98-95-3	Nitrobenzene	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	95-50-1	Dichlorobenzene[1,2-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	95-48-7	Methylphenol[2-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	91-94-1	Dichlorobenzidine[3,3'-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	77-47-4	Hexachlorocyclopentadiene	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	56-55-3	Benzo(a)anthracene	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395
SVOC	SFB-24-323271	0	1	05/14/2024	118-74-1	Hexachlorobenzene	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	117-84-0	Di-n-octylphthalate	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395
SVOC	SFB-24-323271	0	1	05/14/2024	117-81-7	Bis(2-ethylhexyl)phthalate	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395
SVOC	SFB-24-323271	0	1	05/14/2024	111-91-1	Bis(2-chloroethoxy)methane	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	111-44-4	Bis(2-chloroethyl)ether	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	110-86-1	Pyridine	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	108-95-2	Phenol	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	108-60-1	Oxybis(1-chloropropane)[2,2'-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	105-67-9	Dimethylphenol[2,4-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	103-33-3	Azobenzene	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	101-55-3	Bromophenyl-phenylether[4-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	100-51-6	Benzyl Alcohol	0.118	mg/kg	U	N	ND	1.18E-01	0.395
INORGANIC	SFB-24-323271	0	1	05/14/2024	Sb	Antimony	0.344	mg/kg	U	N	ND	3.44E-01	2.08
SVOC	SFB-24-323272	0	1	05/14/2024	86-73-7	Fluorene	0.0113	mg/kg	U	N	ND	1.13E-02	0.0375
SVOC	SFB-24-323272	0	1	05/14/2024	85-68-7	Butylbenzylphthalate	0.0113	mg/kg	U	N	ND	1.13E-02	0.0375

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-24-323272	0	1	05/14/2024	85-01-8	Phenanthrene	0.0113	mg/kg	U	N	ND	1.13E-02	0.0375
SVOC	SFB-24-323272	0	1	05/14/2024	84-74-2	Di-n-butylphthalate	0.0113	mg/kg	U	N	ND	1.13E-02	0.0375
SVOC	SFB-24-323272	0	1	05/14/2024	84-66-2	Diethylphthalate	0.0113	mg/kg	U	N	ND	1.13E-02	0.0375
SVOC	SFB-24-323272	0	1	05/14/2024	108-60-1	Oxybis(1-chloropropane)[2,2'-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	106-47-8	Chloroaniline[4-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	106-46-7	Dichlorobenzene[1,4-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	88-06-2	Trichlorophenol[2,4,6-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	87-86-5	Pentachlorophenol	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	87-68-3	Hexachlorobutadiene	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	56-55-3	Benzo(a)anthracene	0.0113	mg/kg	U	N	ND	1.13E-02	0.0375
SVOC	SFB-24-323272	0	1	05/14/2024	541-73-1	Dichlorobenzene[1,3-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	121-14-2	Dinitrotoluene[2,4-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	120-83-2	Dichlorophenol[2,4-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	120-82-1	Trichlorobenzene[1,2,4-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	120-12-7	Anthracene	0.0113	mg/kg	U	N	ND	1.13E-02	0.0375
SVOC	SFB-24-323272	0	1	05/14/2024	7005-72-3	Chlorophenyl-phenyl[4-] Ether	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	67-72-1	Hexachloroethane	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	95-95-4	Trichlorophenol[2,4,5-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	95-57-8	Chlorophenol[2-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	100-51-6	Benzyl Alcohol	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	100-02-7	Nitrophenol[4-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	100-01-6	Nitroaniline[4-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	65794-96-9	Methylphenol[3-,4-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	621-64-7	Nitroso-di-n-propylamine[N-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	62-75-9	Nitrosodimethylamine[N-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
VOC	SFB-24-323275			05/14/2024	75-27-4	Bromodichloromethane	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	75-25-2	Bromoform	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	75-15-0	Carbon Disulfide	0.00167	mg/kg	U	N	ND	1.67E-03	0.00500
VOC	SFB-24-323275			05/14/2024	75-09-2	Methylene Chloride	0.00167	mg/kg	U	N	ND	1.67E-03	0.00500
VOC	SFB-24-323275			05/14/2024	75-01-4	Vinyl Chloride	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	75-00-3	Chloroethane	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	74-97-5	Bromochloromethane	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	74-95-3	Dibromomethane	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	74-88-4	Iodomethane	0.00167	mg/kg	U	N	ND	1.67E-03	0.00500
VOC	SFB-24-323275			05/14/2024	74-87-3	Chloromethane	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	74-83-9	Bromomethane	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	71-55-6	Trichloroethane[1,1,1-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	71-43-2	Benzene	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	67-66-3	Chloroform	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	630-20-6	Tetrachloroethane[1,1,1,2-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	594-20-7	Dichloropropane[2,2-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	591-78-6	Hexanone[2-]	0.00167	mg/kg	U	N	ND	1.67E-03	0.00500
VOC	SFB-24-323275			05/14/2024	563-58-6	Dichloropropene[1,1-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	56-23-5	Carbon Tetrachloride	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	541-73-1	Dichlorobenzene[1,3-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	156-60-5	Dichloroethene[trans-1,2-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	156-59-2	Dichloroethene[cis-1,2-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	142-28-9	Dichloropropane[1,3-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	135-98-8	Butylbenzene[sec-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	127-18-4	Tetrachloroethene	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	124-48-1	Chlorodibromomethane	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	108-90-7	Chlorobenzene	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	108-88-3	Toluene	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	108-86-1	Bromobenzene	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-24-323275			05/14/2024	108-67-8	Trimethylbenzene[1,3,5-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	108-10-1	Methyl-2-pentanone[4-]	0.00167	mg/kg	U	N	ND	1.67E-03	0.00500
VOC	SFB-24-323275			05/14/2024	107-06-2	Dichloroethane[1,2-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	106-93-4	Dibromoethane[1,2-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	106-46-7	Dichlorobenzene[1,4-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	106-43-4	Chlorotoluene[4-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	104-51-8	Butylbenzene[n-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	103-65-1	Propylbenzene[1-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	10061-02-6	Dichloropropene[trans-1,3-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	10061-01-5	Dichloropropene[cis-1,3-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	100-42-5	Styrene	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	100-41-4	Ethylbenzene	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323274	1	1	05/14/2024	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	0.000837	mg/kg	U	N	ND	8.37E-04	0.00251
VOC	SFB-24-323274	1	1	05/14/2024	98-82-8	Isopropylbenzene	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	98-06-6	Butylbenzene[tert-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	75-71-8	Dichlorodifluoromethane	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	75-69-4	Trichlorofluoromethane	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	75-35-4	Dichloroethene[1,1-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	75-34-3	Dichloroethane[1,1-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	75-27-4	Bromodichloromethane	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.00209	mg/kg	U	N	ND	2.09E-03	0.00627
VOC	SFB-24-323274	1	1	05/14/2024	67-64-1	Acetone	0.00209	mg/kg	U	N	ND	2.09E-03	0.00627
VOC	SFB-24-323274	1	1	05/14/2024	630-20-6	Tetrachloroethane[1,1,1,2-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	563-58-6	Dichloropropene[1,1-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	56-23-5	Carbon Tetrachloride	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	156-60-5	Dichloroethene[trans-1,2-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	156-59-2	Dichloroethene[cis-1,2-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	142-28-9	Dichloropropane[1,3-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	135-98-8	Butylbenzene[sec-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	108-90-7	Chlorobenzene	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	108-88-3	Toluene	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	108-86-1	Bromobenzene	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	108-67-8	Trimethylbenzene[1,3,5-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	108-10-1	Methyl-2-pentanone[4-]	0.00209	mg/kg	U	N	ND	2.09E-03	0.00627
VOC	SFB-24-323273	0	1	05/14/2024	98-82-8	Isopropylbenzene	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	98-06-6	Butylbenzene[tert-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
LCMS/MS	SFB-24-323274	1	1	05/14/2024	PFAS-Tot-37a	Total PFAS 37a	0.244	ng/g	J	Y	2.44E-04	2.44E-04	0.537
LCMS/MS	SFB-24-323273	0	1	05/14/2024	PFAS-Tot-37a	Total PFAS 37a	0.00	ng/g	U	N	ND	0.00E+00	0.499
LCMS/MS	SFB-24-323271	0	1	05/14/2024	PFAS-Tot-37a	Total PFAS 37a	0.00	ng/g	U	N	ND	0.00E+00	0.534
LCMS/MS HIGH EXPLOSIVES	SFB-24-323274	1	1	05/14/2024	3058-38-6	TATB	0.296	mg/kg	UJ	N	ND	2.96E-01	0.985
LCMS/MS HIGH EXPLOSIVES	SFB-24-323272	0	1	05/14/2024	3058-38-6	TATB	0.299	mg/kg	UJ	N	ND	2.99E-01	0.995
LCMS/MS HIGH EXPLOSIVES	SFB-24-323271	0	1	05/14/2024	3058-38-6	TATB	0.302	mg/kg	UJ	N	ND	3.02E-01	1.01
LCMS/MS	SFB-24-323272	0	1	05/14/2024	PFAS-Tot-37a	Total PFAS 37a	0.00	ng/g	U	N	ND	0.00E+00	0.499
VOC	SFB-24-323271	0	1	05/14/2024	100-41-4	Ethylbenzene	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323274	1	1	05/14/2024	96-18-4	Trichloropropane[1,2,3-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	96-12-8	Dibromo-3-Chloropropane[1,2-]	0.000627	mg/kg	U	N	ND	6.27E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	95-63-6	Trimethylbenzene[1,2,4-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	95-50-1	Dichlorobenzene[1,2-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	95-49-8	Chlorotoluene[2-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	95-47-6	Xylene[1,2-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	71-55-6	Trichloroethane[1,1,1-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	71-43-2	Benzene	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	67-66-3	Chloroform	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	541-73-1	Dichlorobenzene[1,3-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-24-323274	1	1	05/14/2024	127-18-4	Tetrachloroethene	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	124-48-1	Chlorodibromomethane	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	107-06-2	Dichloroethane[1,2-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	106-93-4	Dibromoethane[1,2-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	106-46-7	Dichlorobenzene[1,4-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	106-43-4	Chlorotoluene[4-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	104-51-8	Butylbenzene[n-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	103-65-1	Propylbenzene[1-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323273	0	1	05/14/2024	96-18-4	Trichloropropane[1,2,3-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	96-12-8	Dibromo-3-Chloropropane[1,2-]	0.000578	mg/kg	U	N	ND	5.78E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	95-63-6	Trimethylbenzene[1,2,4-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	95-50-1	Dichlorobenzene[1,2-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	95-49-8	Chlorotoluene[2-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	95-47-6	Xylene[1,2-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	71-55-6	Trichloroethane[1,1,1-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	71-43-2	Benzene	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	67-66-3	Chloroform	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	156-60-5	Dichloroethene[trans-1,2-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	156-59-2	Dichloroethene[cis-1,2-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	142-28-9	Dichloropropane[1,3-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	135-98-8	Butylbenzene[sec-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	127-18-4	Tetrachloroethene	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	107-06-2	Dichloroethane[1,2-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	106-93-4	Dibromoethane[1,2-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	106-46-7	Dichlorobenzene[1,4-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	106-43-4	Chlorotoluene[4-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	104-51-8	Butylbenzene[n-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	103-65-1	Propylbenzene[1-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323275			05/14/2024	99-87-6	Isopropyltoluene[4-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	98-82-8	Isopropylbenzene	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	98-06-6	Butylbenzene[tert-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	96-18-4	Trichloropropane[1,2,3-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	96-12-8	Dibromo-3-Chloropropane[1,2-]	0.000500	mg/kg	U	N	ND	5.00E-04	0.00100
VOC	SFB-24-323275			05/14/2024	95-63-6	Trimethylbenzene[1,2,4-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	95-50-1	Dichlorobenzene[1,2-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	95-49-8	Chlorotoluene[2-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	95-47-6	Xylene[1,2-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	79-34-5	Tetrachloroethane[1,1,2,2-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	79-01-6	Trichloroethene	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	79-00-5	Trichloroethane[1,1,2-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	78-93-3	Butanone[2-]	0.00167	mg/kg	U	N	ND	1.67E-03	0.00500
VOC	SFB-24-323275			05/14/2024	78-87-5	Dichloropropane[1,2-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.00167	mg/kg	U	N	ND	1.67E-03	0.00500
VOC	SFB-24-323275			05/14/2024	75-71-8	Dichlorodifluoromethane	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	75-69-4	Trichlorofluoromethane	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	75-35-4	Dichloroethene[1,1-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323275			05/14/2024	75-34-3	Dichloroethane[1,1-]	0.000333	mg/kg	U	N	ND	3.33E-04	0.00100
VOC	SFB-24-323272	0	1	05/14/2024	108-67-8	Trimethylbenzene[1,3,5-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	108-10-1	Methyl-2-pentanone[4-]	0.00170	mg/kg	U	N	ND	1.70E-03	0.00511
VOC	SFB-24-323272	0	1	05/14/2024	107-06-2	Dichloroethane[1,2-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	106-93-4	Dibromoethane[1,2-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	563-58-6	Dichloropropene[1,1-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	56-23-5	Carbon Tetrachloride	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	71-55-6	Trichloroethane[1,1,1-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-24-323272	0	1	05/14/2024	71-43-2	Benzene	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	67-66-3	Chloroform	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	67-64-1	Acetone	0.00170	mg/kg	U	N	ND	1.70E-03	0.00511
VOC	SFB-24-323272	0	1	05/14/2024	98-82-8	Isopropylbenzene	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	98-06-6	Butylbenzene[tert-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	96-18-4	Trichloropropane[1,2,3-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	96-12-8	Dibromo-3-Chloropropane[1,2-]	0.000511	mg/kg	U	N	ND	5.11E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	95-63-6	Trimethylbenzene[1,2,4-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	100-42-5	Styrene	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	100-41-4	Ethylbenzene	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	630-20-6	Tetrachloroethane[1,1,1,2-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323271	0	1	05/14/2024	142-28-9	Dichloropropane[1,3-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	135-98-8	Butylbenzene[sec-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	127-18-4	Tetrachloroethene	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	124-48-1	Chlorodibromomethane	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	108-10-1	Methyl-2-pentanone[4-]	0.00201	mg/kg	U	N	ND	2.01E-03	0.00603
VOC	SFB-24-323271	0	1	05/14/2024	107-06-2	Dichloroethane[1,2-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	106-93-4	Dibromoethane[1,2-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	79-34-5	Tetrachloroethane[1,1,2,2-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	79-01-6	Trichloroethene	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	79-00-5	Trichloroethane[1,1,2-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	78-93-3	Butanone[2-]	0.00201	mg/kg	U	N	ND	2.01E-03	0.00603
VOC	SFB-24-323271	0	1	05/14/2024	78-87-5	Dichloropropane[1,2-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	71-55-6	Trichloroethane[1,1,1-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	71-43-2	Benzene	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	67-66-3	Chloroform	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	67-64-1	Acetone	0.00201	mg/kg	U	N	ND	2.01E-03	0.00603
VOC	SFB-24-323271	0	1	05/14/2024	98-82-8	Isopropylbenzene	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	98-06-6	Butylbenzene[tert-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	96-18-4	Trichloropropane[1,2,3-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	96-12-8	Dibromo-3-Chloropropane[1,2-]	0.000603	mg/kg	U	N	ND	6.03E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	95-63-6	Trimethylbenzene[1,2,4-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	630-20-6	Tetrachloroethane[1,1,1,2-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323274	1	1	05/14/2024	79-34-5	Tetrachloroethane[1,1,2,2-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	79-01-6	Trichloroethene	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	79-00-5	Trichloroethane[1,1,2-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	78-93-3	Butanone[2-]	0.00209	mg/kg	U	N	ND	2.09E-03	0.00627
VOC	SFB-24-323274	1	1	05/14/2024	78-87-5	Dichloropropane[1,2-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323273	0	1	05/14/2024	10061-02-6	Dichloropropene[trans-1,3-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	10061-01-5	Dichloropropene[cis-1,3-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	100-42-5	Styrene	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	100-41-4	Ethylbenzene	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	79-34-5	Tetrachloroethane[1,1,2,2-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	79-01-6	Trichloroethene	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	79-00-5	Trichloroethane[1,1,2-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	78-93-3	Butanone[2-]	0.00193	mg/kg	U	N	ND	1.93E-03	0.00578
VOC	SFB-24-323273	0	1	05/14/2024	78-87-5	Dichloropropane[1,2-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323272	0	1	05/14/2024	79-01-6	Trichloroethene	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	79-00-5	Trichloroethane[1,1,2-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	78-93-3	Butanone[2-]	0.00170	mg/kg	U	N	ND	1.70E-03	0.00511
VOC	SFB-24-323272	0	1	05/14/2024	78-87-5	Dichloropropane[1,2-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.00170	mg/kg	U	N	ND	1.70E-03	0.00511
VOC	SFB-24-323274	1	1	05/14/2024	99-87-6	Isopropyltoluene[4-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323273	0	1	05/14/2024	99-87-6	Isopropyltoluene[4-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-24-323271	0	1	05/14/2024	541-73-1	Dichlorobenzene[1,3-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	0.000805	mg/kg	U	N	ND	8.05E-04	0.00241
VOC	SFB-24-323272	0	1	05/14/2024	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	0.000682	mg/kg	U	N	ND	6.82E-04	0.00204
VOC	SFB-24-323274	1	1	05/14/2024	10061-02-6	Dichloropropene[trans-1,3-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323273	0	1	05/14/2024	75-71-8	Dichlorodifluoromethane	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	75-69-4	Trichlorofluoromethane	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	75-35-4	Dichloroethene[1,1-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	75-34-3	Dichloroethane[1,1-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	75-27-4	Bromodichloromethane	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.00193	mg/kg	U	N	ND	1.93E-03	0.00578
VOC	SFB-24-323273	0	1	05/14/2024	67-64-1	Acetone	0.00193	mg/kg	U	N	ND	1.93E-03	0.00578
VOC	SFB-24-323273	0	1	05/14/2024	630-20-6	Tetrachloroethane[1,1,1,2-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	563-58-6	Dichloropropene[1,1-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	56-23-5	Carbon Tetrachloride	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	108-90-7	Chlorobenzene	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	108-88-3	Toluene	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	108-86-1	Bromobenzene	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	108-67-8	Trimethylbenzene[1,3,5-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	108-10-1	Methyl-2-pentanone[4-]	0.00193	mg/kg	U	N	ND	1.93E-03	0.00578
VOC	SFB-24-323273	0	1	05/14/2024	124-48-1	Chlorodibromomethane	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323272	0	1	05/14/2024	99-87-6	Isopropyltoluene[4-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	95-50-1	Dichlorobenzene[1,2-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	95-49-8	Chlorotoluene[2-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	95-47-6	Xylene[1,2-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	79-34-5	Tetrachloroethane[1,1,2,2-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	75-71-8	Dichlorodifluoromethane	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	75-69-4	Trichlorofluoromethane	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	75-35-4	Dichloroethene[1,1-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	75-34-3	Dichloroethane[1,1-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	75-27-4	Bromodichloromethane	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	156-60-5	Dichloroethene[trans-1,2-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	156-59-2	Dichloroethene[cis-1,2-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	142-28-9	Dichloropropane[1,3-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	135-98-8	Butylbenzene[sec-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	127-18-4	Tetrachloroethene	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	124-48-1	Chlorodibromomethane	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	106-46-7	Dichlorobenzene[1,4-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	106-43-4	Chlorotoluene[4-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	104-51-8	Butylbenzene[n-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	103-65-1	Propylbenzene[1-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	10061-02-6	Dichloropropene[trans-1,3-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	10061-01-5	Dichloropropene[cis-1,3-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323271	0	1	05/14/2024	99-87-6	Isopropyltoluene[4-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	95-50-1	Dichlorobenzene[1,2-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	95-49-8	Chlorotoluene[2-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	95-47-6	Xylene[1,2-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	75-71-8	Dichlorodifluoromethane	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	75-69-4	Trichlorofluoromethane	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	75-35-4	Dichloroethene[1,1-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	75-34-3	Dichloroethane[1,1-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	75-27-4	Bromodichloromethane	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	76-13-1	Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.00201	mg/kg	U	N	ND	2.01E-03	0.00603
VOC	SFB-24-323271	0	1	05/14/2024	563-58-6	Dichloropropene[1,1-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	56-23-5	Carbon Tetrachloride	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-24-323271	0	1	05/14/2024	156-60-5	Dichloroethene[trans-1,2-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	156-59-2	Dichloroethene[cis-1,2-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	108-90-7	Chlorobenzene	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	108-88-3	Toluene	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	108-86-1	Bromobenzene	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	108-67-8	Trimethylbenzene[1,3,5-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	106-46-7	Dichlorobenzene[1,4-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	106-43-4	Chlorotoluene[4-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	104-51-8	Butylbenzene[n-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	103-65-1	Propylbenzene[1-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	10061-02-6	Dichloropropene[trans-1,3-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	10061-01-5	Dichloropropene[cis-1,3-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	100-42-5	Styrene	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323272	0	1	05/14/2024	108-90-7	Chlorobenzene	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	108-88-3	Toluene	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	108-86-1	Bromobenzene	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
INORGANIC	SFB-24-323272	0	1	05/14/2024	Be	Beryllium	0.983	mg/kg		Y	9.83E-01	9.83E-01	0.109
INORGANIC	SFB-24-323272	0	1	05/14/2024	As	Arsenic	2.32	mg/kg		Y	2.32E+00	2.32E+00	1.09
INORGANIC	SFB-24-323271	0	1	05/14/2024	Be	Beryllium	0.717	mg/kg		Y	7.17E-01	7.17E-01	0.115
INORGANIC	SFB-24-323271	0	1	05/14/2024	As	Arsenic	1.9	mg/kg		Y	1.90E+00	1.90E+00	1.15
INORGANIC	SFB-24-323271	0	1	05/14/2024	Co	Cobalt	2.91	mg/kg		Y	2.91E+00	2.91E+00	2.6
INORGANIC	SFB-24-323271	0	1	05/14/2024	Ni	Nickel	4.31	mg/kg		Y	4.31E+00	4.31E+00	0.459
GENERAL CHEMISTRY	SFB-24-323272	0	1	05/14/2024	TEMP	Temperature	6	deg C		Y	6.00E+00	6.00E+00	
GENERAL CHEMISTRY	SFB-24-323274	1	1	05/14/2024	TEMP	Temperature	6	deg C		Y	6.00E+00	6.00E+00	
INORGANIC	SFB-24-323274	1	1	05/14/2024	Se	Selenium	1.43	mg/kg		Y	1.43E+00	1.43E+00	1.25
GENERAL CHEMISTRY	SFB-24-323273	0	1	05/14/2024	TEMP	Temperature	6	deg C		Y	6.00E+00	6.00E+00	
INORGANIC	SFB-24-323272	0	1	05/14/2024	Ni	Nickel	7.64	mg/kg		Y	7.64E+00	7.64E+00	0.435
LCMS/MS HIGH EXPLOSIVES	SFB-24-323273	0	1	05/14/2024	121-82-4	RDX	6.04	mg/kg		Y	6.04E+00	6.04E+00	0.5
LCMS/MS HIGH EXPLOSIVES	SFB-24-323271	0	1	05/14/2024	2691-41-0	HMX	3.67	mg/kg		Y	3.67E+00	3.67E+00	0.503
LCMS/MS HIGH EXPLOSIVES	SFB-24-323271	0	1	05/14/2024	121-82-4	RDX	9.32	mg/kg		Y	9.32E+00	9.32E+00	0.503
LCMS/MS HIGH EXPLOSIVES	SFB-24-323273	0	1	05/14/2024	2691-41-0	HMX	2.06	mg/kg		Y	2.06E+00	2.06E+00	0.5
LCMS/MS HIGH EXPLOSIVES	SFB-24-323272	0	1	05/14/2024	2691-41-0	HMX	2.87	mg/kg		Y	2.87E+00	2.87E+00	0.498
LCMS/MS HIGH EXPLOSIVES	SFB-24-323272	0	1	05/14/2024	121-82-4	RDX	5.63	mg/kg		Y	5.63E+00	5.63E+00	0.498
LCMS/MS HIGH EXPLOSIVES	SFB-24-323271	0	1	05/14/2024	35572-78-2	Amino-4,6-dinitrotoluene[2-]	1.16	mg/kg		Y	1.16E+00	1.16E+00	0.503
GENERAL CHEMISTRY	SFB-24-323275			05/14/2024	TEMP	Temperature	6	deg C		Y	6.00E+00	6.00E+00	
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	0.00000826	mg/kg		Y	8.26E-06	8.26E-06	0.00000498
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	0.00000755	mg/kg		Y	7.55E-06	7.55E-06	0.00000499
GENERAL CHEMISTRY	SFB-24-323271	0	1	05/14/2024	TEMP	Temperature	3.5	deg C		Y	3.50E+00	3.50E+00	
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	0.0000197	mg/kg		Y	1.97E-05	1.97E-05	0.00000996
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	37871-00-4	Heptachlorodibenzodioxins (Total)	0.0000457	mg/kg		Y	4.57E-05	4.57E-05	0.00000498
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	0.000167	mg/kg		Y	1.67E-04	1.67E-04	0.00000996
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	0.000123	mg/kg		Y	1.23E-04	1.23E-04	0.00000999
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	0.0000119	mg/kg		Y	1.19E-05	1.19E-05	0.00000999
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	37871-00-4	Heptachlorodibenzodioxins (Total)	0.0000405	mg/kg		Y	4.05E-05	4.05E-05	0.00000499
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	0.0000205	mg/kg		Y	2.05E-05	2.05E-05	0.00000499
GENERAL CHEMISTRY	SFB-24-323272	0	1	05/14/2024	TEMP	Temperature	3.5	deg C		Y	3.50E+00	3.50E+00	
GENERAL CHEMISTRY	SFB-24-323274	1	1	05/14/2024	TEMP	Temperature	3.5	deg C		Y	3.50E+00	3.50E+00	
GENERAL CHEMISTRY	SFB-24-323273	0	1	05/14/2024	TEMP	Temperature	3.5	deg C		Y	3.50E+00	3.50E+00	
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	0.000000578	mg/kg	J	Y	5.78E-07	5.78E-07	0.00000498
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	30402-15-4	Pentachlorodibenzofurans (Totals)	0.00000244	mg/kg	J	Y	2.44E-06	2.44E-06	0.00000498
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	0.000000775	mg/kg	JK	Y	7.75E-07	7.75E-07	0.00000499
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	0.000000673	mg/kg	J	Y	6.73E-07	6.73E-07	0.00000498
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	55722-27-5	Tetrachlorodibenzofurans (Totals)	0.00000209	mg/kg	J	Y	2.09E-06	2.09E-06	0.000000996
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	55684-94-1	Hexachlorodibenzofurans (Total)	0.00000243	mg/kg	J	Y	2.43E-06	2.43E-06	0.00000498

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	0.000000675	mg/kg	JK	Y	6.75E-07	6.75E-07	0.00000498
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	0.000000305	mg/kg	J	Y	3.05E-07	3.05E-07	0.000000996
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	0.000000639	mg/kg	J	Y	6.39E-07	6.39E-07	0.00000499
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	55722-27-5	Tetrachlorodibenzofurans (Totals)	0.00000130	mg/kg	J	Y	1.30E-06	1.30E-06	0.000000999
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	55684-94-1	Hexachlorodibenzofurans (Total)	0.00000744	mg/kg	J	Y	7.44E-06	7.44E-06	0.00000499
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	0.000000553	mg/kg	J	Y	5.53E-07	5.53E-07	0.00000499
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	0.000000576	mg/kg	JK	Y	5.76E-07	5.76E-07	0.00000500
LCMS/MS HIGH EXPLOSIVES	SFB-24-323271	0	1	05/14/2024	118-96-7	Trinitrotoluene[2,4,6-]	0.742	mg/kg		Y	7.42E-01	7.42E-01	0.503
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	38998-75-3	Heptachlorodibenzofurans (Total)	0.0000181	mg/kg	J	Y	1.81E-05	1.81E-05	0.00000498
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	34465-46-8	Hexachlorodibenzodioxins (Total)	0.00000763	mg/kg	J	Y	7.63E-06	7.63E-06	0.00000498
LCMS/MS HIGH EXPLOSIVES	SFB-24-323273	0	1	05/14/2024	3058-38-6	TATB	0.375	mg/kg	J	Y	3.75E-01	3.75E-01	1
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	30402-15-4	Pentachlorodibenzofurans (Totals)	0.00000298	mg/kg	J	Y	2.98E-06	2.98E-06	0.00000499
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	0.000000557	mg/kg	JK	Y	5.57E-07	5.57E-07	0.00000499
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	38998-75-3	Heptachlorodibenzofurans (Total)	0.0000146	mg/kg	J	Y	1.46E-05	1.46E-05	0.00000499
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	0.000000560	mg/kg	J	Y	5.60E-07	5.60E-07	0.00000500
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	0.00000432	mg/kg	J	Y	4.32E-06	4.32E-06	0.00000999
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	37871-00-4	Heptachlorodibenzodioxins (Total)	0.00000129	mg/kg	J	Y	1.29E-06	1.29E-06	0.00000500
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	0.00000725	mg/kg	J	Y	7.25E-06	7.25E-06	0.0000100
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	0.00000129	mg/kg	J	Y	1.29E-06	1.29E-06	0.00000500
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	0.00000102	mg/kg	J	Y	1.02E-06	1.02E-06	0.00000498
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	36088-22-9	Pentachlorodibenzodioxins (Total)	0.00000150	mg/kg	J	Y	1.50E-06	1.50E-06	0.00000499
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	34465-46-8	Hexachlorodibenzodioxins (Total)	0.00000855	mg/kg	J	Y	8.55E-06	8.55E-06	0.00000499
INORGANIC	SFB-24-323273	0	1	05/14/2024	Co	Cobalt	2.45	mg/kg	J	Y	2.45E+00	2.45E+00	2.77
INORGANIC	SFB-24-323273	0	1	05/14/2024	Ba	Barium	2250	mg/kg	*	Y	2.25E+03	2.25E+03	2.77
INORGANIC	SFB-24-323271	0	1	05/14/2024	Ba	Barium	3500	mg/kg	*	Y	3.50E+03	3.50E+03	2.6
INORGANIC	SFB-24-323271	0	1	05/14/2024	Tl	Thallium	0.2	mg/kg	J	Y	2.00E-01	2.00E-01	0.459
INORGANIC	SFB-24-323272	0	1	05/14/2024	Tl	Thallium	0.384	mg/kg	J	Y	3.84E-01	3.84E-01	0.435
LCMS/MS HIGH EXPLOSIVES	SFB-24-323272	0	1	05/14/2024	88-72-2	Nitrotoluene[2-]	0.149	mg/kg	U	N	ND	1.49E-01	0.498
LCMS/MS HIGH EXPLOSIVES	SFB-24-323272	0	1	05/14/2024	121-14-2	Dinitrotoluene[2,4-]	0.149	mg/kg	U	N	ND	1.49E-01	0.498
LCMS/MS HIGH EXPLOSIVES	SFB-24-323272	0	1	05/14/2024	78-30-8	Tris (o-cresyl) phosphate	0.299	mg/kg	U	N	ND	2.99E-01	0.995
LCMS/MS HIGH EXPLOSIVES	SFB-24-323272	0	1	05/14/2024	78-11-5	PETN	0.249	mg/kg	U	N	ND	2.49E-01	0.995
LCMS/MS HIGH EXPLOSIVES	SFB-24-323272	0	1	05/14/2024	35572-78-2	Amino-4,6-dinitrotoluene[2-]	0.149	mg/kg	U	N	ND	1.49E-01	0.498
LCMS/MS HIGH EXPLOSIVES	SFB-24-323271	0	1	05/14/2024	88-72-2	Nitrotoluene[2-]	0.151	mg/kg	U	N	ND	1.51E-01	0.503
LCMS/MS HIGH EXPLOSIVES	SFB-24-323274	1	1	05/14/2024	99-99-0	Nitrotoluene[4-]	0.148	mg/kg	U	N	ND	1.48E-01	0.493
LCMS/MS HIGH EXPLOSIVES	SFB-24-323274	1	1	05/14/2024	99-65-0	Dinitrobenzene[1,3-]	0.148	mg/kg	U	N	ND	1.48E-01	0.493
LCMS/MS HIGH EXPLOSIVES	SFB-24-323274	1	1	05/14/2024	99-35-4	Trinitrobenzene[1,3,5-]	0.148	mg/kg	U	N	ND	1.48E-01	0.493
LCMS/MS HIGH EXPLOSIVES	SFB-24-323273	0	1	05/14/2024	99-99-0	Nitrotoluene[4-]	0.15	mg/kg	U	N	ND	1.50E-01	0.5
LCMS/MS HIGH EXPLOSIVES	SFB-24-323273	0	1	05/14/2024	99-65-0	Dinitrobenzene[1,3-]	0.15	mg/kg	U	N	ND	1.50E-01	0.5
LCMS/MS HIGH EXPLOSIVES	SFB-24-323273	0	1	05/14/2024	99-35-4	Trinitrobenzene[1,3,5-]	0.15	mg/kg	U	N	ND	1.50E-01	0.5
LCMS/MS HIGH EXPLOSIVES	SFB-24-323273	0	1	05/14/2024	35572-78-2	Amino-4,6-dinitrotoluene[2-]	0.15	mg/kg	U	N	ND	1.50E-01	0.5
INORGANIC	SFB-24-323273	0	1	05/14/2024	Tl	Thallium	0.154	mg/kg	U	N	ND	1.54E-01	0.44
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	0.000000321	mg/kg	U	N	ND	3.21E-07	0.000000996
TPH	SFB-24-323274	1	1	05/14/2024	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	2.09	mg/kg	U	N	ND	2.09E+00	12.5
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	0.000000498	mg/kg	U	N	ND	4.98E-07	0.00000498
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	0.000000498	mg/kg	U	N	ND	4.98E-07	0.00000498
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	0.000000499	mg/kg	U	N	ND	4.99E-07	0.00000499
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	0.000000499	mg/kg	U	N	ND	4.99E-07	0.00000499
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	0.0000000999	mg/kg	U	N	ND	9.99E-08	0.000000999
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	0.000000500	mg/kg	U	N	ND	5.00E-07	0.00000500
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	0.000000500	mg/kg	U	N	ND	5.00E-07	0.00000500
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	55722-27-5	Tetrachlorodibenzofurans (Totals)	0	mg/kg	U	N	ND	0.00E+00	0.00000100
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	55684-94-1	Hexachlorodibenzofurans (Total)	0	mg/kg	U	N	ND	0.00E+00	0.00000500
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	0.000000500	mg/kg	U	N	ND	5.00E-07	0.00000500
LCMS/MS	SFB-24-323274	1	1	05/14/2024	PFAS-Tot-3a	Total PFAS 3a	0	ng/g	U	N	ND	0.00E+00	0

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
LCMS/MS	SFB-24-323274	1	1	05/14/2024	PFAS-Tot-2a	Total PFAS 2a	0	ng/g	U	N	ND	0.00E+00	0
LCMS/MS	SFB-24-323273	0	1	05/14/2024	PFAS-Tot-3a	Total PFAS 3a	0	ng/g	U	N	ND	0.00E+00	0
LCMS/MS	SFB-24-323273	0	1	05/14/2024	PFAS-Tot-2a	Total PFAS 2a	0	ng/g	U	N	ND	0.00E+00	0
LCMS/MS	SFB-24-323271	0	1	05/14/2024	PFAS-Tot-3a	Total PFAS 3a	0	ng/g	U	N	ND	0.00E+00	0
LCMS/MS	SFB-24-323271	0	1	05/14/2024	PFAS-Tot-2a	Total PFAS 2a	0	ng/g	U	N	ND	0.00E+00	0
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	0.000000500	mg/kg	U	N	ND	5.00E-07	0.00000500
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	0.000000500	mg/kg	U	N	ND	5.00E-07	0.00000500
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	55722-27-5	Tetrachlorodibenzofurans (Totals)	0	mg/kg	U	N	ND	0.00E+00	0.000000999
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	55684-94-1	Hexachlorodibenzofurans (Total)	0	mg/kg	U	N	ND	0.00E+00	0.00000500
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	0.000000500	mg/kg	U	N	ND	5.00E-07	0.00000500
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	0.000000500	mg/kg	U	N	ND	5.00E-07	0.00000500
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	0.000000500	mg/kg	U	N	ND	5.00E-07	0.00000500
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	0.000000500	mg/kg	U	N	ND	5.00E-07	0.00000500
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	30402-15-4	Pentachlorodibenzofurans (Totals)	0	mg/kg	U	N	ND	0.00E+00	0.00000500
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	36088-22-9	Pentachlorodibenzodioxins (Total)	0	mg/kg	U	N	ND	0.00E+00	0.00000500
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	34465-46-8	Hexachlorodibenzodioxins (Total)	0	mg/kg	U	N	ND	0.00E+00	0.00000500
LCMS/MS	SFB-24-323271	0	1	05/14/2024	375-22-4	Perfluorobutanoic acid	1.20	ng/g	U	N	ND	1.20E-03	3.00
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	36088-22-9	Pentachlorodibenzodioxins (Total)	0	mg/kg	U	N	ND	0.00E+00	0.00000500
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	30402-15-4	Pentachlorodibenzofurans (Totals)	0	mg/kg	U	N	ND	0.00E+00	0.00000500
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	34465-46-8	Hexachlorodibenzodioxins (Total)	0	mg/kg	U	N	ND	0.00E+00	0.00000500
LCMS/MS	SFB-24-323273	0	1	05/14/2024	375-22-4	Perfluorobutanoic acid	1.12	ng/g	U	N	ND	1.12E-03	2.80
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	0.000000216	mg/kg	U	N	ND	2.16E-07	0.00000100
TPH	SFB-24-323271	0	1	05/14/2024	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	2.01	mg/kg	U	N	ND	2.01E+00	12.1
TPH	SFB-24-323272	0	1	05/14/2024	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	1.88	mg/kg	U	N	ND	1.88E+00	11.3
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	0.000000500	mg/kg	U	N	ND	5.00E-07	0.00000500
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	0.000000498	mg/kg	U	N	ND	4.98E-07	0.00000498
TPH	SFB-24-323273	0	1	05/14/2024	TPH-GRO	Total Petroleum Hydrocarbons Gasoline Range	1.93	mg/kg	U	N	ND	1.93E+00	11.6
LCMS/MS	SFB-24-323272	0	1	05/14/2024	PFAS-Tot-3a	Total PFAS 3a	0	ng/g	U	N	ND	0.00E+00	0
LCMS/MS	SFB-24-323272	0	1	05/14/2024	PFAS-Tot-2a	Total PFAS 2a	0	ng/g	U	N	ND	0.00E+00	0
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	0.000000500	mg/kg	U	N	ND	5.00E-07	0.00000500
INORGANIC	SFB-24-323274	1	1	05/14/2024	Ni	Nickel	6.83	mg/kg		Y	6.83E+00	6.83E+00	0.5
INORGANIC	SFB-24-323273	0	1	05/14/2024	Ni	Nickel	3.76	mg/kg		Y	3.76E+00	3.76E+00	0.44
GENERAL CHEMISTRY	SFB-24-323271	0	1	05/14/2024	TEMP	Temperature	6	deg C		Y	6.00E+00	6.00E+00	
INORGANIC	SFB-24-323271	0	1	05/14/2024	Se	Selenium	1.34	mg/kg		Y	1.34E+00	1.34E+00	1.15
INORGANIC	SFB-24-323274	1	1	05/14/2024	As	Arsenic	2.47	mg/kg		Y	2.47E+00	2.47E+00	1.25
INORGANIC	SFB-24-323274	1	1	05/14/2024	Be	Beryllium	0.997	mg/kg		Y	9.97E-01	9.97E-01	0.125
INORGANIC	SFB-24-323273	0	1	05/14/2024	As	Arsenic	1.56	mg/kg		Y	1.56E+00	1.56E+00	1.1
INORGANIC	SFB-24-323273	0	1	05/14/2024	Be	Beryllium	0.501	mg/kg		Y	5.01E-01	5.01E-01	0.11
LCMS/MS	SFB-24-323274	1	1	05/14/2024	375-92-8	Perfluoro-1-heptanesulfonic acid	0.223	ng/g	U	N	ND	2.23E-04	0.573
LCMS/MS	SFB-24-323274	1	1	05/14/2024	375-85-9	Perfluoroheptanoic acid	0.199	ng/g	U	N	ND	1.99E-04	0.603
LCMS/MS	SFB-24-323274	1	1	05/14/2024	375-73-5	Perfluorobutanesulfonic acid	0.199	ng/g	U	N	ND	1.99E-04	0.537
LCMS/MS	SFB-24-323274	1	1	05/14/2024	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	0.495	ng/g	U	N	ND	4.95E-04	1.21
LCMS/MS	SFB-24-323273	0	1	05/14/2024	2058-94-8	Perfluoroundecanoic acid	0.185	ng/g	U	N	ND	1.85E-04	0.561
LCMS/MS	SFB-24-323273	0	1	05/14/2024	1763-23-1	Perfluorooctanesulfonic acid	0.224	ng/g	U	N	ND	2.24E-04	0.561
LCMS/MS	SFB-24-323272	0	1	05/14/2024	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	0.432	ng/g	U	N	ND	4.32E-04	1.08
LCMS/MS	SFB-24-323273	0	1	05/14/2024	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	0.460	ng/g	U	N	ND	4.60E-04	1.12
LCMS/MS	SFB-24-323271	0	1	05/14/2024	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	0.492	ng/g	U	N	ND	4.92E-04	1.20
LCMS/MS	SFB-24-323271	0	1	05/14/2024	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	0.462	ng/g	U	N	ND	4.62E-04	1.15
LCMS/MS	SFB-24-323272	0	1	05/14/2024	4151-50-2	Ethylperfluoro-1-octanesulfonamide[N-]	0.460	ng/g	U	N	ND	4.60E-04	1.12
LCMS/MS	SFB-24-323271	0	1	05/14/2024	1763-23-1	Perfluorooctanesulfonic acid	0.240	ng/g	U	N	ND	2.40E-04	0.600
LCMS/MS	SFB-24-323271	0	1	05/14/2024	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	0.396	ng/g	U	N	ND	3.96E-04	1.20
LCMS/MS	SFB-24-323271	0	1	05/14/2024	2058-94-8	Perfluoroundecanoic acid	0.198	ng/g	U	N	ND	1.98E-04	0.600
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	0.000000499	mg/kg	U	N	ND	4.99E-07	0.00000499
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	0.000000498	mg/kg	U	N	ND	4.98E-07	0.00000498

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	0.000000500	mg/kg	U	N	ND	5.00E-07	0.00000500
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	0.000000500	mg/kg	U	N	ND	5.00E-07	0.00000500
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	0.000000500	mg/kg	U	N	ND	5.00E-07	0.00000500
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	0.000000500	mg/kg	U	N	ND	5.00E-07	0.00000500
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	0.000000500	mg/kg	U	N	ND	5.00E-07	0.00000500
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	0.000000999	mg/kg	U	N	ND	9.99E-07	0.00000999
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	38998-75-3	Heptachlorodibenzofurans (Total)	0	mg/kg	U	N	ND	0.00E+00	0.00000500
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	0.000000362	mg/kg	U	N	ND	3.62E-07	0.000000999
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	0.000000499	mg/kg	U	N	ND	4.99E-07	0.00000499
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	0.000000500	mg/kg	U	N	ND	5.00E-07	0.00000500
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	0.000000500	mg/kg	U	N	ND	5.00E-07	0.00000500
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	0.000000500	mg/kg	U	N	ND	5.00E-07	0.00000500
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	41903-57-5	Tetrachlorodibenzodioxins (Total)	0	mg/kg	U	N	ND	0.00E+00	0.00000100
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	0.000000500	mg/kg	U	N	ND	5.00E-07	0.00000500
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	0.000000500	mg/kg	U	N	ND	5.00E-07	0.00000500
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	0.00000100	mg/kg	U	N	ND	1.00E-06	0.0000100
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	0.000000145	mg/kg	U	N	ND	1.45E-07	0.000000999
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	41903-57-5	Tetrachlorodibenzodioxins (Total)	0	mg/kg	U	N	ND	0.00E+00	0.000000999
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	0.000000500	mg/kg	U	N	ND	5.00E-07	0.00000500
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	0.000000156	mg/kg	U	N	ND	1.56E-07	0.00000100
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	0.000000500	mg/kg	U	N	ND	5.00E-07	0.00000500
LCMS/MS HIGH EXPLOSIVES	SFB-24-323274	1	1	05/14/2024	606-20-2	Dinitrotoluene[2,6-]	0.148	mg/kg	U	N	ND	1.48E-01	0.493
LCMS/MS HIGH EXPLOSIVES	SFB-24-323274	1	1	05/14/2024	59229-75-3	2,6-Diamino-4-nitrotoluene	0.65	mg/kg	U	N	ND	6.50E-01	1.97
LCMS/MS HIGH EXPLOSIVES	SFB-24-323274	1	1	05/14/2024	479-45-8	Tetryl	0.148	mg/kg	U	N	ND	1.48E-01	0.493
LCMS/MS HIGH EXPLOSIVES	SFB-24-323273	0	1	05/14/2024	606-20-2	Dinitrotoluene[2,6-]	0.15	mg/kg	U	N	ND	1.50E-01	0.5
LCMS/MS HIGH EXPLOSIVES	SFB-24-323273	0	1	05/14/2024	59229-75-3	2,6-Diamino-4-nitrotoluene	0.66	mg/kg	U	N	ND	6.60E-01	2
LCMS/MS HIGH EXPLOSIVES	SFB-24-323272	0	1	05/14/2024	606-20-2	Dinitrotoluene[2,6-]	0.149	mg/kg	U	N	ND	1.49E-01	0.498
LCMS/MS HIGH EXPLOSIVES	SFB-24-323272	0	1	05/14/2024	59229-75-3	2,6-Diamino-4-nitrotoluene	0.657	mg/kg	U	N	ND	6.57E-01	1.99
LCMS/MS HIGH EXPLOSIVES	SFB-24-323273	0	1	05/14/2024	19406-51-0	Amino-2,6-dinitrotoluene[4-]	0.15	mg/kg	U	N	ND	1.50E-01	0.5
LCMS/MS HIGH EXPLOSIVES	SFB-24-323273	0	1	05/14/2024	479-45-8	Tetryl	0.15	mg/kg	U	N	ND	1.50E-01	0.5
LCMS/MS HIGH EXPLOSIVES	SFB-24-323271	0	1	05/14/2024	606-20-2	Dinitrotoluene[2,6-]	0.151	mg/kg	U	N	ND	1.51E-01	0.503
LCMS/MS HIGH EXPLOSIVES	SFB-24-323271	0	1	05/14/2024	59229-75-3	2,6-Diamino-4-nitrotoluene	0.663	mg/kg	U	N	ND	6.63E-01	2.01
LCMS/MS HIGH EXPLOSIVES	SFB-24-323271	0	1	05/14/2024	479-45-8	Tetryl	0.151	mg/kg	U	N	ND	1.51E-01	0.503
LCMS/MS HIGH EXPLOSIVES	SFB-24-323272	0	1	05/14/2024	479-45-8	Tetryl	0.149	mg/kg	U	N	ND	1.49E-01	0.498
LCMS/MS HIGH EXPLOSIVES	SFB-24-323271	0	1	05/14/2024	19406-51-0	Amino-2,6-dinitrotoluene[4-]	0.753	mg/kg		Y	7.53E-01	7.53E-01	0.503
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	0.000000937	mg/kg	JK	Y	9.37E-07	9.37E-07	0.00000499
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	0.000000559	mg/kg	JK	Y	5.59E-07	5.59E-07	0.00000499
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	0.00000117	mg/kg	J	Y	1.17E-06	1.17E-06	0.00000499
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	0.000000356	mg/kg	J	Y	3.56E-07	3.56E-07	0.000000999
HRGC/HRMS	SFB-24-323272	0	1	05/14/2024	37871-00-4	Heptachlorodibenzodioxins (Total)	0.000000560	mg/kg	J	Y	5.60E-07	5.60E-07	0.00000500
HRGC/HRMS	SFB-24-323273	0	1	05/14/2024	41903-57-5	Tetrachlorodibenzodioxins (Total)	0.00000184	mg/kg	J	Y	1.84E-06	1.84E-06	0.000000999
HRGC/HRMS	SFB-24-323271	0	1	05/14/2024	38998-75-3	Heptachlorodibenzofurans (Total)	0.000000540	mg/kg	J	Y	5.40E-07	5.40E-07	0.00000500
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	36088-22-9	Pentachlorodibenzodioxins (Total)	0.000000711	mg/kg	J	Y	7.11E-07	7.11E-07	0.00000498
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	0.0000253	mg/kg		Y	2.53E-05	2.53E-05	0.00000498
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	0.000000956	mg/kg	J	Y	9.56E-07	9.56E-07	0.00000498
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	0.000000506	mg/kg	JK	Y	5.06E-07	5.06E-07	0.00000498
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	41903-57-5	Tetrachlorodibenzodioxins (Total)	0.00000161	mg/kg	J	Y	1.61E-06	1.61E-06	0.000000996
HRGC/HRMS	SFB-24-323274	1	1	05/14/2024	39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	0.000000514	mg/kg	JK	Y	5.14E-07	5.14E-07	0.00000498
LCMS/MS	SFB-24-323274	1	1	05/14/2024	375-22-4	Perfluorobutanoic acid	0.244	ng/g	J	Y	2.44E-04	2.44E-04	0.603
INORGANIC	SFB-24-323272	0	1	05/14/2024	Se	Selenium	0.79	mg/kg	J	Y	7.90E-01	7.90E-01	1.09
INORGANIC	SFB-24-323274	1	1	05/14/2024	Tl	Thallium	0.217	mg/kg	J	Y	2.17E-01	2.17E-01	0.5
INORGANIC	SFB-24-323273	0	1	05/14/2024	Se	Selenium	1.04	mg/kg	J	Y	1.04E+00	1.04E+00	1.1
VOC	SFB-24-323273	0	1	05/14/2024	75-25-2	Bromoform	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	75-15-0	Carbon Disulfide	0.00193	mg/kg	U	N	ND	1.93E-03	0.00578

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
VOC	SFB-24-323273	0	1	05/14/2024	75-09-2	Methylene Chloride	0.00193	mg/kg	U	N	ND	1.93E-03	0.00578
VOC	SFB-24-323273	0	1	05/14/2024	75-01-4	Vinyl Chloride	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	75-00-3	Chloroethane	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	74-97-5	Bromochloromethane	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	74-95-3	Dibromomethane	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	74-88-4	Iodomethane	0.00193	mg/kg	U	N	ND	1.93E-03	0.00578
VOC	SFB-24-323273	0	1	05/14/2024	74-87-3	Chloromethane	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	74-83-9	Bromomethane	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
SVOC	SFB-24-323274	1	1	05/14/2024	606-20-2	Dinitrotoluene[2,6-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
VOC	SFB-24-323274	1	1	05/14/2024	594-20-7	Dichloropropane[2,2-]	0.000418	mg/kg	U	N	ND	4.18E-04	0.00125
VOC	SFB-24-323274	1	1	05/14/2024	591-78-6	Hexanone[2-]	0.00209	mg/kg	U	N	ND	2.09E-03	0.00627
SVOC	SFB-24-323274	1	1	05/14/2024	59-50-7	Chloro-3-methylphenol[4-]	0.166	mg/kg	U	N	ND	1.66E-01	0.415
SVOC	SFB-24-323273	0	1	05/14/2024	606-20-2	Dinitrotoluene[2,6-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379
VOC	SFB-24-323273	0	1	05/14/2024	594-20-7	Dichloropropane[2,2-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
VOC	SFB-24-323273	0	1	05/14/2024	591-78-6	Hexanone[2-]	0.00193	mg/kg	U	N	ND	1.93E-03	0.00578
SVOC	SFB-24-323273	0	1	05/14/2024	59-50-7	Chloro-3-methylphenol[4-]	0.151	mg/kg	U	N	ND	1.51E-01	0.379
VOC	SFB-24-323271	0	1	05/14/2024	75-25-2	Bromoform	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	75-15-0	Carbon Disulfide	0.00201	mg/kg	U	N	ND	2.01E-03	0.00603
VOC	SFB-24-323271	0	1	05/14/2024	75-09-2	Methylene Chloride	0.00201	mg/kg	U	N	ND	2.01E-03	0.00603
VOC	SFB-24-323271	0	1	05/14/2024	75-01-4	Vinyl Chloride	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	75-00-3	Chloroethane	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	74-97-5	Bromochloromethane	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	74-95-3	Dibromomethane	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	74-88-4	Iodomethane	0.00201	mg/kg	U	N	ND	2.01E-03	0.00603
VOC	SFB-24-323271	0	1	05/14/2024	74-87-3	Chloromethane	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	74-83-9	Bromomethane	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
SVOC	SFB-24-323272	0	1	05/14/2024	606-20-2	Dinitrotoluene[2,6-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
VOC	SFB-24-323272	0	1	05/14/2024	594-20-7	Dichloropropane[2,2-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
VOC	SFB-24-323272	0	1	05/14/2024	591-78-6	Hexanone[2-]	0.00170	mg/kg	U	N	ND	1.70E-03	0.00511
SVOC	SFB-24-323272	0	1	05/14/2024	59-50-7	Chloro-3-methylphenol[4-]	0.15	mg/kg	U	N	ND	1.50E-01	0.375
SVOC	SFB-24-323273	0	1	05/14/2024	208-96-8	Acenaphthylene	0.0114	mg/kg	U	N	ND	1.14E-02	0.0379
SVOC	SFB-24-323273	0	1	05/14/2024	207-08-9	Benzo(k)fluoranthene	0.0114	mg/kg	U	N	ND	1.14E-02	0.0379
SVOC	SFB-24-323273	0	1	05/14/2024	206-44-0	Fluoranthene	0.0114	mg/kg	U	N	ND	1.14E-02	0.0379
SVOC	SFB-24-323273	0	1	05/14/2024	205-99-2	Benzo(b)fluoranthene	0.0114	mg/kg	U	N	ND	1.14E-02	0.0379
SVOC	SFB-24-323273	0	1	05/14/2024	193-39-5	Indeno(1,2,3-cd)pyrene	0.0114	mg/kg	U	N	ND	1.14E-02	0.0379
SVOC	SFB-24-323273	0	1	05/14/2024	191-24-2	Benzo(g,h,i)perylene	0.0114	mg/kg	U	N	ND	1.14E-02	0.0379
SVOC	SFB-24-323273	0	1	05/14/2024	541-73-1	Dichlorobenzene[1,3-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379
VOC	SFB-24-323273	0	1	05/14/2024	541-73-1	Dichlorobenzene[1,3-]	0.000385	mg/kg	U	N	ND	3.85E-04	0.00116
SVOC	SFB-24-323273	0	1	05/14/2024	534-52-1	Dinitro-2-methylphenol[4,6-]	0.114	mg/kg	U	N	ND	1.14E-01	0.379
SVOC	SFB-24-323273	0	1	05/14/2024	53-70-3	Dibenz(a,h)anthracene	0.0114	mg/kg	U	N	ND	1.14E-02	0.0379
SVOC	SFB-24-323273	0	1	05/14/2024	51-28-5	Dinitrophenol[2,4-]	0.114	mg/kg	U	N	ND	1.14E-01	0.757
SVOC	SFB-24-323273	0	1	05/14/2024	50-32-8	Benzo(a)pyrene	0.0114	mg/kg	U	N	ND	1.14E-02	0.0379
SVOC	SFB-24-323271	0	1	05/14/2024	606-20-2	Dinitrotoluene[2,6-]	0.118	mg/kg	U	N	ND	1.18E-01	0.395
VOC	SFB-24-323271	0	1	05/14/2024	594-20-7	Dichloropropane[2,2-]	0.000402	mg/kg	U	N	ND	4.02E-04	0.00121
VOC	SFB-24-323271	0	1	05/14/2024	591-78-6	Hexanone[2-]	0.00201	mg/kg	U	N	ND	2.01E-03	0.00603
SVOC	SFB-24-323271	0	1	05/14/2024	59-50-7	Chloro-3-methylphenol[4-]	0.158	mg/kg	U	N	ND	1.58E-01	0.395
SVOC	SFB-24-323271	0	1	05/14/2024	51-28-5	Dinitrophenol[2,4-]	0.118	mg/kg	U	N	ND	1.18E-01	0.79
SVOC	SFB-24-323271	0	1	05/14/2024	50-32-8	Benzo(a)pyrene	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395
VOC	SFB-24-323272	0	1	05/14/2024	541-73-1	Dichlorobenzene[1,3-]	0.000340	mg/kg	U	N	ND	3.40E-04	0.00102
SVOC	SFB-24-323272	0	1	05/14/2024	534-52-1	Dinitro-2-methylphenol[4,6-]	0.113	mg/kg	U	N	ND	1.13E-01	0.375
SVOC	SFB-24-323272	0	1	05/14/2024	53-70-3	Dibenz(a,h)anthracene	0.0113	mg/kg	U	N	ND	1.13E-02	0.0375
SVOC	SFB-24-323272	0	1	05/14/2024	51-28-5	Dinitrophenol[2,4-]	0.113	mg/kg	U	N	ND	1.13E-01	0.75
SVOC	SFB-24-323272	0	1	05/14/2024	50-32-8	Benzo(a)pyrene	0.0113	mg/kg	U	N	ND	1.13E-02	0.0375
SVOC	SFB-24-323271	0	1	05/14/2024	193-39-5	Indeno(1,2,3-cd)pyrene	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
SVOC	SFB-24-323271	0	1	05/14/2024	191-24-2	Benzo(g,h,i)perylene	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395
SVOC	SFB-24-323271	0	1	05/14/2024	218-01-9	Chrysene	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395
SVOC	SFB-24-323271	0	1	05/14/2024	208-96-8	Acenaphthylene	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395
SVOC	SFB-24-323271	0	1	05/14/2024	207-08-9	Benzo(k)fluoranthene	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395
SVOC	SFB-24-323271	0	1	05/14/2024	206-44-0	Fluoranthene	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395
SVOC	SFB-24-323271	0	1	05/14/2024	205-99-2	Benzo(b)fluoranthene	0.0118	mg/kg	U	N	ND	1.18E-02	0.0395
VOC	SFB-24-323275			05/14/2024	Xylene[m+p]	Xylene[1,3-]+Xylene[1,4-]	0.000667	mg/kg	U	N	ND	6.67E-04	0.00200
LCMS/MS	SFB-24-323272	0	1	05/14/2024	68259-12-1	Perfluorononanesulfonic acid	0.185	ng/g	U	N	ND	1.85E-04	0.538
LCMS/MS	SFB-24-323271	0	1	05/14/2024	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	0.330	ng/g	U	N	ND	3.30E-04	1.20
LCMS/MS	SFB-24-323271	0	1	05/14/2024	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.61	ng/g	U	N	ND	1.61E-03	4.50
LCMS/MS	SFB-24-323271	0	1	05/14/2024	2706-91-4	Perfluoropentanesulfonic acid	0.198	ng/g	U	N	ND	1.98E-04	0.564
LCMS/MS	SFB-24-323271	0	1	05/14/2024	2706-90-3	Perfluoropentanoic acid	0.198	ng/g	U	N	ND	1.98E-04	0.600
LCMS/MS	SFB-24-323271	0	1	05/14/2024	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[N	0.468	ng/g	U	N	ND	4.68E-04	1.20
LCMS/MS	SFB-24-323271	0	1	05/14/2024	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	0.198	ng/g	U	N	ND	1.98E-04	0.600
LCMS/MS	SFB-24-323271	0	1	05/14/2024	812-70-4	3-Perfluoroheptyl propanoic acid	0.396	ng/g	U	N	ND	3.96E-04	1.20
LCMS/MS	SFB-24-323271	0	1	05/14/2024	79780-39-5	Perfluorododecanesulfonic acid	0.198	ng/g	U	N	ND	1.98E-04	0.581
LCMS/MS	SFB-24-323271	0	1	05/14/2024	72629-94-8	Perfluorotridecanoic acid	0.198	ng/g	U	N	ND	1.98E-04	0.600
LCMS/MS	SFB-24-323271	0	1	05/14/2024	68259-12-1	Perfluorononanesulfonic acid	0.198	ng/g	U	N	ND	1.98E-04	0.576
LCMS/MS	SFB-24-323271	0	1	05/14/2024	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	0.396	ng/g	U	N	ND	3.96E-04	1.15
LCMS/MS	SFB-24-323274	1	1	05/14/2024	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	0.464	ng/g	U	N	ND	4.64E-04	1.16
LCMS/MS	SFB-24-323274	1	1	05/14/2024	376-06-7	Perfluorotetradecanoic acid	0.241	ng/g	U	N	ND	2.41E-04	0.603
LCMS/MS	SFB-24-323274	1	1	05/14/2024	375-95-1	Perfluorononanoic acid	0.199	ng/g	U	N	ND	1.99E-04	0.603
LCMS/MS	SFB-24-323274	1	1	05/14/2024	356-02-5	3-Perfluoropropyl propanoic acid	0.398	ng/g	U	N	ND	3.98E-04	1.21
LCMS/MS	SFB-24-323274	1	1	05/14/2024	355-46-4	Perfluorohexanesulfonic acid	0.199	ng/g	U	N	ND	1.99E-04	0.549
LCMS/MS	SFB-24-323274	1	1	05/14/2024	335-77-3	Perfluorodecane sulfonate	0.199	ng/g	U	N	ND	1.99E-04	0.585
LCMS/MS	SFB-24-323274	1	1	05/14/2024	335-76-2	Perfluorodecanoic acid	0.446	ng/g	U	N	ND	4.46E-04	1.21
LCMS/MS	SFB-24-323274	1	1	05/14/2024	335-67-1	Perfluorooctanoic acid	0.241	ng/g	U	N	ND	2.41E-04	0.603
LCMS/MS	SFB-24-323274	1	1	05/14/2024	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	0.525	ng/g	U	N	ND	5.25E-04	1.21
LCMS/MS	SFB-24-323274	1	1	05/14/2024	307-55-1	Perfluorododecanoic acid	0.199	ng/g	U	N	ND	1.99E-04	0.603
LCMS/MS	SFB-24-323274	1	1	05/14/2024	307-24-4	Perfluorohexanoic acid	0.241	ng/g	U	N	ND	2.41E-04	0.603
LCMS/MS	SFB-24-323274	1	1	05/14/2024	2058-94-8	Perfluoroundecanoic acid	0.199	ng/g	U	N	ND	1.99E-04	0.603
LCMS/MS	SFB-24-323273	0	1	05/14/2024	335-77-3	Perfluorodecane sulfonate	0.185	ng/g	U	N	ND	1.85E-04	0.544
LCMS/MS	SFB-24-323273	0	1	05/14/2024	335-76-2	Perfluorodecanoic acid	0.415	ng/g	U	N	ND	4.15E-04	1.12
LCMS/MS	SFB-24-323273	0	1	05/14/2024	335-67-1	Perfluorooctanoic acid	0.224	ng/g	U	N	ND	2.24E-04	0.561
LCMS/MS	SFB-24-323273	0	1	05/14/2024	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	0.488	ng/g	U	N	ND	4.88E-04	1.12
LCMS/MS	SFB-24-323273	0	1	05/14/2024	307-55-1	Perfluorododecanoic acid	0.185	ng/g	U	N	ND	1.85E-04	0.561
LCMS/MS	SFB-24-323273	0	1	05/14/2024	307-24-4	Perfluorohexanoic acid	0.224	ng/g	U	N	ND	2.24E-04	0.561
LCMS/MS	SFB-24-323273	0	1	05/14/2024	39108-34-4	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	0.432	ng/g	U	N	ND	4.32E-04	1.08
LCMS/MS	SFB-24-323273	0	1	05/14/2024	376-06-7	Perfluorotetradecanoic acid	0.224	ng/g	U	N	ND	2.24E-04	0.561
LCMS/MS	SFB-24-323273	0	1	05/14/2024	375-95-1	Perfluorononanoic acid	0.185	ng/g	U	N	ND	1.85E-04	0.561
LCMS/MS	SFB-24-323273	0	1	05/14/2024	375-92-8	Perfluoro-1-heptanesulfonic acid	0.207	ng/g	U	N	ND	2.07E-04	0.533
LCMS/MS	SFB-24-323273	0	1	05/14/2024	375-85-9	Perfluoroheptanoic acid	0.185	ng/g	U	N	ND	1.85E-04	0.561
LCMS/MS	SFB-24-323273	0	1	05/14/2024	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	0.308	ng/g	U	N	ND	3.08E-04	1.12
LCMS/MS	SFB-24-323273	0	1	05/14/2024	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.51	ng/g	U	N	ND	1.51E-03	4.21
LCMS/MS	SFB-24-323273	0	1	05/14/2024	2706-91-4	Perfluoropentanesulfonic acid	0.185	ng/g	U	N	ND	1.85E-04	0.527
LCMS/MS	SFB-24-323273	0	1	05/14/2024	2706-90-3	Perfluoropentanoic acid	0.185	ng/g	U	N	ND	1.85E-04	0.561
LCMS/MS	SFB-24-323272	0	1	05/14/2024	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	0.488	ng/g	U	N	ND	4.88E-04	1.12
LCMS/MS	SFB-24-323272	0	1	05/14/2024	307-55-1	Perfluorododecanoic acid	0.185	ng/g	U	N	ND	1.85E-04	0.560
LCMS/MS	SFB-24-323272	0	1	05/14/2024	307-24-4	Perfluorohexanoic acid	0.224	ng/g	U	N	ND	2.24E-04	0.560
LCMS/MS	SFB-24-323272	0	1	05/14/2024	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	0.308	ng/g	U	N	ND	3.08E-04	1.12
LCMS/MS	SFB-24-323272	0	1	05/14/2024	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.51	ng/g	U	N	ND	1.51E-03	4.20
LCMS/MS	SFB-24-323272	0	1	05/14/2024	2706-91-4	Perfluoropentanesulfonic acid	0.185	ng/g	U	N	ND	1.85E-04	0.527
LCMS/MS	SFB-24-323272	0	1	05/14/2024	2706-90-3	Perfluoropentanoic acid	0.185	ng/g	U	N	ND	1.85E-04	0.560
LCMS/MS	SFB-24-323272	0	1	05/14/2024	376-06-7	Perfluorotetradecanoic acid	0.224	ng/g	U	N	ND	2.24E-04	0.560

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
LCMS/MS	SFB-24-323272	0	1	05/14/2024	375-95-1	Perfluorononanoic acid	0.185	ng/g	U	N	ND	1.85E-04	0.560
LCMS/MS	SFB-24-323272	0	1	05/14/2024	375-92-8	Perfluoro-1-heptanesulfonic acid	0.207	ng/g	U	N	ND	2.07E-04	0.532
LCMS/MS	SFB-24-323272	0	1	05/14/2024	375-85-9	Perfluoroheptanoic acid	0.185	ng/g	U	N	ND	1.85E-04	0.560
LCMS/MS	SFB-24-323272	0	1	05/14/2024	375-73-5	Perfluorobutanesulfonic acid	0.185	ng/g	U	N	ND	1.85E-04	0.499
LCMS/MS	SFB-24-323272	0	1	05/14/2024	375-22-4	Perfluorobutanoic acid	0.224	ng/g	U	N	ND	2.24E-04	0.560
LCMS/MS	SFB-24-323272	0	1	05/14/2024	356-02-5	3-Perfluoropropyl propanoic acid	0.370	ng/g	U	N	ND	3.70E-04	1.12
LCMS/MS	SFB-24-323272	0	1	05/14/2024	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	0.185	ng/g	U	N	ND	1.85E-04	0.528
LCMS/MS	SFB-24-323272	0	1	05/14/2024	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	0.448	ng/g	U	N	ND	4.48E-04	1.05
LCMS/MS	SFB-24-323272	0	1	05/14/2024	355-46-4	Perfluorohexanesulfonic acid	0.185	ng/g	U	N	ND	1.85E-04	0.510
LCMS/MS	SFB-24-323272	0	1	05/14/2024	335-77-3	Perfluorodecane sulfonate	0.185	ng/g	U	N	ND	1.85E-04	0.544
LCMS/MS	SFB-24-323272	0	1	05/14/2024	335-76-2	Perfluorodecanoic acid	0.415	ng/g	U	N	ND	4.15E-04	1.12
LCMS/MS	SFB-24-323272	0	1	05/14/2024	335-67-1	Perfluorooctanoic acid	0.224	ng/g	U	N	ND	2.24E-04	0.560
LCMS/MS	SFB-24-323271	0	1	05/14/2024	376-06-7	Perfluorotetradecanoic acid	0.240	ng/g	U	N	ND	2.40E-04	0.600
LCMS/MS	SFB-24-323271	0	1	05/14/2024	375-95-1	Perfluorononanoic acid	0.198	ng/g	U	N	ND	1.98E-04	0.600
LCMS/MS	SFB-24-323271	0	1	05/14/2024	375-92-8	Perfluoro-1-heptanesulfonic acid	0.222	ng/g	U	N	ND	2.22E-04	0.570
LCMS/MS	SFB-24-323271	0	1	05/14/2024	375-85-9	Perfluoroheptanoic acid	0.198	ng/g	U	N	ND	1.98E-04	0.600
LCMS/MS	SFB-24-323271	0	1	05/14/2024	375-73-5	Perfluorobutanesulfonic acid	0.198	ng/g	U	N	ND	1.98E-04	0.534
LCMS/MS	SFB-24-323271	0	1	05/14/2024	335-77-3	Perfluorodecane sulfonate	0.198	ng/g	U	N	ND	1.98E-04	0.582
SVOC	SFB-24-323272	0	1	05/14/2024	208-96-8	Acenaphthylene	0.0113	mg/kg	U	N	ND	1.13E-02	0.0375
SVOC	SFB-24-323272	0	1	05/14/2024	207-08-9	Benzo(k)fluoranthene	0.0113	mg/kg	U	N	ND	1.13E-02	0.0375
SVOC	SFB-24-323272	0	1	05/14/2024	206-44-0	Fluoranthene	0.0113	mg/kg	U	N	ND	1.13E-02	0.0375
SVOC	SFB-24-323272	0	1	05/14/2024	205-99-2	Benzo(b)fluoranthene	0.0113	mg/kg	U	N	ND	1.13E-02	0.0375
SVOC	SFB-24-323274	1	1	05/14/2024	103-33-3	Azobenzene	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	101-55-3	Bromophenyl-phenylether[4-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	100-51-6	Benzyl Alcohol	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	100-02-7	Nitrophenol[4-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
SVOC	SFB-24-323274	1	1	05/14/2024	100-01-6	Nitroaniline[4-]	0.125	mg/kg	U	N	ND	1.25E-01	0.415
INORGANIC	SFB-24-323274	1	1	05/14/2024	Sb	Antimony	0.356	mg/kg	U	N	ND	3.56E-01	2.16
INORGANIC	SFB-24-323273	0	1	05/14/2024	Sb	Antimony	0.366	mg/kg	U	N	ND	3.66E-01	2.22
INORGANIC	SFB-24-323272	0	1	05/14/2024	Sb	Antimony	0.334	mg/kg	U	N	ND	3.34E-01	2.02
LCMS/MS	SFB-24-323274	1	1	05/14/2024	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	0.199	ng/g	U	N	ND	1.99E-04	0.603
LCMS/MS	SFB-24-323274	1	1	05/14/2024	914637-49-3	3-Perfluoropentyl propanoic acid	0.398	ng/g	U	N	ND	3.98E-04	1.21
LCMS/MS	SFB-24-323274	1	1	05/14/2024	68259-12-1	Perfluorononanesulfonic acid	0.199	ng/g	U	N	ND	1.99E-04	0.579
LCMS/MS	SFB-24-323274	1	1	05/14/2024	2991-50-6	ethyl perfluorooctanesulfonamidoacetic acid[N	0.332	ng/g	U	N	ND	3.32E-04	1.21
LCMS/MS	SFB-24-323274	1	1	05/14/2024	27619-97-2	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.62	ng/g	U	N	ND	1.62E-03	4.52
LCMS/MS	SFB-24-323274	1	1	05/14/2024	2706-91-4	Perfluoropentanesulfonic acid	0.199	ng/g	U	N	ND	1.99E-04	0.567
LCMS/MS	SFB-24-323274	1	1	05/14/2024	2706-90-3	Perfluoropentanoic acid	0.199	ng/g	U	N	ND	1.99E-04	0.603
LCMS/MS	SFB-24-323274	1	1	05/14/2024	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[M	0.470	ng/g	U	N	ND	4.70E-04	1.21
LCMS/MS	SFB-24-323274	1	1	05/14/2024	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	0.398	ng/g	U	N	ND	3.98E-04	1.21
LCMS/MS	SFB-24-323273	0	1	05/14/2024	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	0.185	ng/g	U	N	ND	1.85E-04	0.561
LCMS/MS	SFB-24-323273	0	1	05/14/2024	914637-49-3	3-Perfluoropentyl propanoic acid	0.370	ng/g	U	N	ND	3.70E-04	1.12
LCMS/MS	SFB-24-323273	0	1	05/14/2024	68259-12-1	Perfluorononanesulfonic acid	0.185	ng/g	U	N	ND	1.85E-04	0.538
LCMS/MS	SFB-24-323273	0	1	05/14/2024	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[M	0.437	ng/g	U	N	ND	4.37E-04	1.12
LCMS/MS	SFB-24-323273	0	1	05/14/2024	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	0.370	ng/g	U	N	ND	3.70E-04	1.12
LCMS/MS	SFB-24-323273	0	1	05/14/2024	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	0.185	ng/g	U	N	ND	1.85E-04	0.561
LCMS/MS	SFB-24-323274	1	1	05/14/2024	812-70-4	3-Perfluoroheptyl propanoic acid	0.398	ng/g	U	N	ND	3.98E-04	1.21
LCMS/MS	SFB-24-323274	1	1	05/14/2024	79780-39-5	Perfluorododecanesulfonic acid	0.199	ng/g	U	N	ND	1.99E-04	0.584
LCMS/MS	SFB-24-323274	1	1	05/14/2024	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	0.199	ng/g	U	N	ND	1.99E-04	0.568
LCMS/MS	SFB-24-323274	1	1	05/14/2024	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	0.483	ng/g	U	N	ND	4.83E-04	1.13
LCMS/MS	SFB-24-323274	1	1	05/14/2024	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfor	0.199	ng/g	U	N	ND	1.99E-04	0.562
LCMS/MS	SFB-24-323274	1	1	05/14/2024	754-91-6	Perfluoro-1-octanesulfonamide	0.199	ng/g	U	N	ND	1.99E-04	0.603
LCMS/MS	SFB-24-323274	1	1	05/14/2024	72629-94-8	Perfluorotridecanoic acid	0.199	ng/g	U	N	ND	1.99E-04	0.603
LCMS/MS	SFB-24-323274	1	1	05/14/2024	1763-23-1	Perfluorooctanesulfonic acid	0.241	ng/g	U	N	ND	2.41E-04	0.603
LCMS/MS	SFB-24-323274	1	1	05/14/2024	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	0.477	ng/g	U	N	ND	4.77E-04	1.21

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
LCMS/MS	SFB-24-323274	1	1	05/14/2024	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	0.199	ng/g	U	N	ND	1.99E-04	0.603
LCMS/MS	SFB-24-323274	1	1	05/14/2024	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	0.398	ng/g	U	N	ND	3.98E-04	1.16
LCMS/MS	SFB-24-323273	0	1	05/14/2024	812-70-4	3-Perfluoroheptyl propanoic acid	0.370	ng/g	U	N	ND	3.70E-04	1.12
LCMS/MS	SFB-24-323273	0	1	05/14/2024	79780-39-5	Perfluorododecanesulfonic acid	0.185	ng/g	U	N	ND	1.85E-04	0.543
LCMS/MS	SFB-24-323273	0	1	05/14/2024	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	0.185	ng/g	U	N	ND	1.85E-04	0.528
LCMS/MS	SFB-24-323273	0	1	05/14/2024	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	0.449	ng/g	U	N	ND	4.49E-04	1.05
LCMS/MS	SFB-24-323273	0	1	05/14/2024	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	0.185	ng/g	U	N	ND	1.85E-04	0.523
LCMS/MS	SFB-24-323273	0	1	05/14/2024	754-91-6	Perfluoro-1-octanesulfonamide	0.185	ng/g	U	N	ND	1.85E-04	0.561
LCMS/MS	SFB-24-323273	0	1	05/14/2024	72629-94-8	Perfluorotridecanoic acid	0.185	ng/g	U	N	ND	1.85E-04	0.561
LCMS/MS	SFB-24-323273	0	1	05/14/2024	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	0.443	ng/g	U	N	ND	4.43E-04	1.12
LCMS/MS	SFB-24-323273	0	1	05/14/2024	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	0.370	ng/g	U	N	ND	3.70E-04	1.08
LCMS/MS	SFB-24-323272	0	1	05/14/2024	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	0.185	ng/g	U	N	ND	1.85E-04	0.560
LCMS/MS	SFB-24-323272	0	1	05/14/2024	914637-49-3	3-Perfluoropentyl propanoic acid	0.370	ng/g	U	N	ND	3.70E-04	1.12
LCMS/MS	SFB-24-323272	0	1	05/14/2024	812-70-4	3-Perfluoroheptyl propanoic acid	0.370	ng/g	U	N	ND	3.70E-04	1.12
LCMS/MS	SFB-24-323272	0	1	05/14/2024	79780-39-5	Perfluorododecanesulfonic acid	0.185	ng/g	U	N	ND	1.85E-04	0.543
LCMS/MS	SFB-24-323272	0	1	05/14/2024	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	0.185	ng/g	U	N	ND	1.85E-04	0.522
LCMS/MS	SFB-24-323272	0	1	05/14/2024	754-91-6	Perfluoro-1-octanesulfonamide	0.185	ng/g	U	N	ND	1.85E-04	0.560
LCMS/MS	SFB-24-323272	0	1	05/14/2024	1763-23-1	Perfluorooctanesulfonic acid	0.224	ng/g	U	N	ND	2.24E-04	0.560
LCMS/MS	SFB-24-323272	0	1	05/14/2024	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	0.443	ng/g	U	N	ND	4.43E-04	1.12
LCMS/MS	SFB-24-323272	0	1	05/14/2024	13252-13-6	Hexafluoropropylene oxide dimer acid GenX	0.185	ng/g	U	N	ND	1.85E-04	0.560
LCMS/MS	SFB-24-323271	0	1	05/14/2024	919005-14-4	4,8-Dioxa-3H-perfluorononanoic Acid	0.198	ng/g	U	N	ND	1.98E-04	0.600
LCMS/MS	SFB-24-323271	0	1	05/14/2024	914637-49-3	3-Perfluoropentyl propanoic acid	0.396	ng/g	U	N	ND	3.96E-04	1.20
LCMS/MS	SFB-24-323271	0	1	05/14/2024	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfo	0.198	ng/g	U	N	ND	1.98E-04	0.565
LCMS/MS	SFB-24-323271	0	1	05/14/2024	757124-72-4	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	0.480	ng/g	U	N	ND	4.80E-04	1.13
LCMS/MS	SFB-24-323271	0	1	05/14/2024	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfo	0.198	ng/g	U	N	ND	1.98E-04	0.559
LCMS/MS	SFB-24-323271	0	1	05/14/2024	754-91-6	Perfluoro-1-octanesulfonamide	0.198	ng/g	U	N	ND	1.98E-04	0.600
LCMS/MS	SFB-24-323271	0	1	05/14/2024	1691-99-2	Ethyl perfluorooctane sulfonamidoethanol[N-]	0.474	ng/g	U	N	ND	4.74E-04	1.20
LCMS/MS	SFB-24-323272	0	1	05/14/2024	120226-60-0	1H, 1H, 2H, 2H-Perfluorododecanesulphonic a	0.370	ng/g	U	N	ND	3.70E-04	1.08
LCMS/MS	SFB-24-323272	0	1	05/14/2024	72629-94-8	Perfluorotridecanoic acid	0.185	ng/g	U	N	ND	1.85E-04	0.560
INORGANIC	SFB-24-323274	1	1	05/14/2024	Mg	Magnesium	1500	mg/kg		Y	1.50E+03	1.50E+03	32.4
INORGANIC	SFB-24-323274	1	1	05/14/2024	K	Potassium	981	mg/kg		Y	9.81E+02	9.81E+02	27
INORGANIC	SFB-24-323274	1	1	05/14/2024	Hg	Mercury	0.0248	mg/kg	J	Y	2.48E-02	2.48E-02	0.0265
INORGANIC	SFB-24-323274	1	1	05/14/2024	Fe	Iron	12000	mg/kg		Y	1.20E+04	1.20E+04	27
INORGANIC	SFB-24-323273	0	1	05/14/2024	Mn	Manganese	275	mg/kg		Y	2.75E+02	2.75E+02	1.11
INORGANIC	SFB-24-323273	0	1	05/14/2024	Mg	Magnesium	873	mg/kg		Y	8.73E+02	8.73E+02	33.3
INORGANIC	SFB-24-323273	0	1	05/14/2024	K	Potassium	685	mg/kg		Y	6.85E+02	6.85E+02	27.7
INORGANIC	SFB-24-323273	0	1	05/14/2024	Hg	Mercury	0.0149	mg/kg	J	Y	1.49E-02	1.49E-02	0.0242
INORGANIC	SFB-24-323273	0	1	05/14/2024	Fe	Iron	9980	mg/kg		Y	9.98E+03	9.98E+03	27.7
INORGANIC	SFB-24-323273	0	1	05/14/2024	V	Vanadium	10.9	mg/kg		Y	1.09E+01	1.09E+01	0.554
INORGANIC	SFB-24-323272	0	1	05/14/2024	Pb	Lead	11.8	mg/kg		Y	1.18E+01	1.18E+01	2.02
INORGANIC	SFB-24-323272	0	1	05/14/2024	Na	Sodium	79.3	mg/kg		Y	7.93E+01	7.93E+01	25.3
INORGANIC	SFB-24-323272	0	1	05/14/2024	Mn	Manganese	294	mg/kg		Y	2.94E+02	2.94E+02	1.01
INORGANIC	SFB-24-323272	0	1	05/14/2024	Mg	Magnesium	1670	mg/kg		Y	1.67E+03	1.67E+03	30.3
INORGANIC	SFB-24-323272	0	1	05/14/2024	K	Potassium	1380	mg/kg		Y	1.38E+03	1.38E+03	25.3
INORGANIC	SFB-24-323272	0	1	05/14/2024	Hg	Mercury	0.0188	mg/kg	J	Y	1.88E-02	1.88E-02	0.0268
INORGANIC	SFB-24-323272	0	1	05/14/2024	Fe	Iron	13000	mg/kg		Y	1.30E+04	1.30E+04	25.3
INORGANIC	SFB-24-323272	0	1	05/14/2024	Cu	Copper	5.97	mg/kg		Y	5.97E+00	5.97E+00	2.02
GENERAL CHEMISTRY	SFB-24-323274	1	1	05/14/2024	NO3-N	Nitrate as Nitrogen	0.792	mg/kg	J	Y	7.92E-01	7.92E-01	1.23
GENERAL CHEMISTRY	SFB-24-323273	0	1	05/14/2024	NO3-N	Nitrate as Nitrogen	1.31	mg/kg		Y	1.31E+00	1.31E+00	1.13
GENERAL CHEMISTRY	SFB-24-323271	0	1	05/14/2024	NO3-N	Nitrate as Nitrogen	2.82	mg/kg		Y	2.82E+00	2.82E+00	1.15
TPH	SFB-24-323274	1	1	05/14/2024	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	5.20	mg/kg	J	Y	5.20E+00	5.20E+00	8.24
TPH	SFB-24-323273	0	1	05/14/2024	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	3.63	mg/kg	J	Y	3.63E+00	3.63E+00	7.65
GENERAL CHEMISTRY	SFB-24-323272	0	1	05/14/2024	NO3-N	Nitrate as Nitrogen	2.51	mg/kg		Y	2.51E+00	2.51E+00	1.11
LCMS/MS HIGH EXPLOSIVES	SFB-24-323274	1	1	05/14/2024	88-72-2	Nitrotoluene[2-]	0.148	mg/kg	U	N	ND	1.48E-01	0.493

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
LCMS/MS HIGH EXPLOSIVES	SFB-24-323274	1	1	05/14/2024	2691-41-0	HMX	0.148	mg/kg	U	N	ND	1.48E-01	0.493
LCMS/MS HIGH EXPLOSIVES	SFB-24-323274	1	1	05/14/2024	121-82-4	RDX	0.148	mg/kg	U	N	ND	1.48E-01	0.493
LCMS/MS HIGH EXPLOSIVES	SFB-24-323274	1	1	05/14/2024	121-14-2	Dinitrotoluene[2,4-]	0.148	mg/kg	U	N	ND	1.48E-01	0.493
LCMS/MS HIGH EXPLOSIVES	SFB-24-323273	0	1	05/14/2024	88-72-2	Nitrotoluene[2-]	0.15	mg/kg	U	N	ND	1.50E-01	0.5
LCMS/MS HIGH EXPLOSIVES	SFB-24-323274	1	1	05/14/2024	99-08-1	Nitrotoluene[3-]	0.148	mg/kg	U	N	ND	1.48E-01	0.493
LCMS/MS HIGH EXPLOSIVES	SFB-24-323274	1	1	05/14/2024	98-95-3	Nitrobenzene	0.148	mg/kg	U	N	ND	1.48E-01	0.493
LCMS/MS HIGH EXPLOSIVES	SFB-24-323274	1	1	05/14/2024	78-11-5	PETN	0.246	mg/kg	U	N	ND	2.46E-01	0.985
LCMS/MS HIGH EXPLOSIVES	SFB-24-323274	1	1	05/14/2024	6629-29-4	2,4-Diamino-6-nitrotoluene	0.493	mg/kg	U	N	ND	4.93E-01	1.97
LCMS/MS HIGH EXPLOSIVES	SFB-24-323274	1	1	05/14/2024	618-87-1	3,5-Dinitroaniline	0.296	mg/kg	U	N	ND	2.96E-01	0.985
LCMS/MS HIGH EXPLOSIVES	SFB-24-323274	1	1	05/14/2024	19406-51-0	Amino-2,6-dinitrotoluene[4-]	0.148	mg/kg	U	N	ND	1.48E-01	0.493
LCMS/MS HIGH EXPLOSIVES	SFB-24-323274	1	1	05/14/2024	118-96-7	Trinitrotoluene[2,4,6-]	0.148	mg/kg	U	N	ND	1.48E-01	0.493
LCMS/MS HIGH EXPLOSIVES	SFB-24-323273	0	1	05/14/2024	99-08-1	Nitrotoluene[3-]	0.15	mg/kg	U	N	ND	1.50E-01	0.5
LCMS/MS HIGH EXPLOSIVES	SFB-24-323273	0	1	05/14/2024	98-95-3	Nitrobenzene	0.15	mg/kg	U	N	ND	1.50E-01	0.5
LCMS/MS HIGH EXPLOSIVES	SFB-24-323273	0	1	05/14/2024	6629-29-4	2,4-Diamino-6-nitrotoluene	0.5	mg/kg	U	N	ND	5.00E-01	2
LCMS/MS HIGH EXPLOSIVES	SFB-24-323273	0	1	05/14/2024	618-87-1	3,5-Dinitroaniline	0.3	mg/kg	U	N	ND	3.00E-01	1
LCMS/MS HIGH EXPLOSIVES	SFB-24-323273	0	1	05/14/2024	121-14-2	Dinitrotoluene[2,4-]	0.15	mg/kg	U	N	ND	1.50E-01	0.5
LCMS/MS HIGH EXPLOSIVES	SFB-24-323273	0	1	05/14/2024	118-96-7	Trinitrotoluene[2,4,6-]	0.15	mg/kg	U	N	ND	1.50E-01	0.5
LCMS/MS HIGH EXPLOSIVES	SFB-24-323272	0	1	05/14/2024	99-99-0	Nitrotoluene[4-]	0.149	mg/kg	U	N	ND	1.49E-01	0.498
LCMS/MS HIGH EXPLOSIVES	SFB-24-323272	0	1	05/14/2024	99-65-0	Dinitrobenzene[1,3-]	0.149	mg/kg	U	N	ND	1.49E-01	0.498
LCMS/MS HIGH EXPLOSIVES	SFB-24-323272	0	1	05/14/2024	99-35-4	Trinitrobenzene[1,3,5-]	0.149	mg/kg	U	N	ND	1.49E-01	0.498
LCMS/MS HIGH EXPLOSIVES	SFB-24-323272	0	1	05/14/2024	99-08-1	Nitrotoluene[3-]	0.149	mg/kg	U	N	ND	1.49E-01	0.498
LCMS/MS HIGH EXPLOSIVES	SFB-24-323272	0	1	05/14/2024	98-95-3	Nitrobenzene	0.149	mg/kg	U	N	ND	1.49E-01	0.498
LCMS/MS HIGH EXPLOSIVES	SFB-24-323272	0	1	05/14/2024	19406-51-0	Amino-2,6-dinitrotoluene[4-]	0.149	mg/kg	U	N	ND	1.49E-01	0.498
LCMS/MS HIGH EXPLOSIVES	SFB-24-323271	0	1	05/14/2024	99-99-0	Nitrotoluene[4-]	0.151	mg/kg	U	N	ND	1.51E-01	0.503
LCMS/MS HIGH EXPLOSIVES	SFB-24-323271	0	1	05/14/2024	99-65-0	Dinitrobenzene[1,3-]	0.151	mg/kg	U	N	ND	1.51E-01	0.503
LCMS/MS HIGH EXPLOSIVES	SFB-24-323271	0	1	05/14/2024	99-35-4	Trinitrobenzene[1,3,5-]	0.151	mg/kg	U	N	ND	1.51E-01	0.503
LCMS/MS HIGH EXPLOSIVES	SFB-24-323271	0	1	05/14/2024	99-08-1	Nitrotoluene[3-]	0.151	mg/kg	U	N	ND	1.51E-01	0.503
LCMS/MS HIGH EXPLOSIVES	SFB-24-323271	0	1	05/14/2024	98-95-3	Nitrobenzene	0.151	mg/kg	U	N	ND	1.51E-01	0.503
LCMS/MS HIGH EXPLOSIVES	SFB-24-323272	0	1	05/14/2024	118-96-7	Trinitrotoluene[2,4,6-]	0.149	mg/kg	U	N	ND	1.49E-01	0.498
LCMS/MS HIGH EXPLOSIVES	SFB-24-323272	0	1	05/14/2024	6629-29-4	2,4-Diamino-6-nitrotoluene	0.498	mg/kg	U	N	ND	4.98E-01	1.99
LCMS/MS HIGH EXPLOSIVES	SFB-24-323272	0	1	05/14/2024	618-87-1	3,5-Dinitroaniline	0.299	mg/kg	U	N	ND	2.99E-01	0.995
LCMS/MS HIGH EXPLOSIVES	SFB-24-323271	0	1	05/14/2024	121-14-2	Dinitrotoluene[2,4-]	0.151	mg/kg	U	N	ND	1.51E-01	0.503
LCMS/MS HIGH EXPLOSIVES	SFB-24-323271	0	1	05/14/2024	78-30-8	Tris (o-cresyl) phosphate	0.302	mg/kg	U	N	ND	3.02E-01	1.01
LCMS/MS HIGH EXPLOSIVES	SFB-24-323271	0	1	05/14/2024	78-11-5	PETN	0.251	mg/kg	U	N	ND	2.51E-01	1.01
LCMS/MS HIGH EXPLOSIVES	SFB-24-323271	0	1	05/14/2024	6629-29-4	2,4-Diamino-6-nitrotoluene	0.503	mg/kg	U	N	ND	5.03E-01	2.01
LCMS/MS HIGH EXPLOSIVES	SFB-24-323271	0	1	05/14/2024	618-87-1	3,5-Dinitroaniline	0.302	mg/kg	U	N	ND	3.02E-01	1.01
LCMS/MS HIGH EXPLOSIVES	SFB-24-323274	1	1	05/14/2024	78-30-8	Tris (o-cresyl) phosphate	0.296	mg/kg	U	N	ND	2.96E-01	0.985
LCMS/MS HIGH EXPLOSIVES	SFB-24-323274	1	1	05/14/2024	35572-78-2	Amino-4,6-dinitrotoluene[2-]	0.148	mg/kg	U	N	ND	1.48E-01	0.493
LCMS/MS HIGH EXPLOSIVES	SFB-24-323273	0	1	05/14/2024	78-30-8	Tris (o-cresyl) phosphate	0.3	mg/kg	U	N	ND	3.00E-01	1
LCMS/MS HIGH EXPLOSIVES	SFB-24-323273	0	1	05/14/2024	78-11-5	PETN	0.25	mg/kg	U	N	ND	2.50E-01	1
LCMS/MS	SFB-24-323271	0	1	05/14/2024	335-76-2	Perfluorodecanoic acid	0.444	ng/g	U	N	ND	4.44E-04	1.20
LCMS/MS	SFB-24-323271	0	1	05/14/2024	335-67-1	Perfluorooctanoic acid	0.240	ng/g	U	N	ND	2.40E-04	0.600
LCMS/MS	SFB-24-323271	0	1	05/14/2024	31506-32-8	Methylperfluoro-1-octanesulfonamide[N-]	0.522	ng/g	U	N	ND	5.22E-04	1.20
LCMS/MS	SFB-24-323271	0	1	05/14/2024	307-55-1	Perfluorododecanoic acid	0.198	ng/g	U	N	ND	1.98E-04	0.600
LCMS/MS	SFB-24-323271	0	1	05/14/2024	307-24-4	Perfluorohexanoic acid	0.240	ng/g	U	N	ND	2.40E-04	0.600
LCMS/MS	SFB-24-323271	0	1	05/14/2024	356-02-5	3-Perfluoropropyl propanoic acid	0.396	ng/g	U	N	ND	3.96E-04	1.20
LCMS/MS	SFB-24-323271	0	1	05/14/2024	355-46-4	Perfluorohexanesulfonic acid	0.198	ng/g	U	N	ND	1.98E-04	0.546
LCMS/MS	SFB-24-323273	0	1	05/14/2024	375-73-5	Perfluorobutanesulfonic acid	0.185	ng/g	U	N	ND	1.85E-04	0.499
LCMS/MS	SFB-24-323273	0	1	05/14/2024	356-02-5	3-Perfluoropropyl propanoic acid	0.370	ng/g	U	N	ND	3.70E-04	1.12
LCMS/MS	SFB-24-323273	0	1	05/14/2024	355-46-4	Perfluorohexanesulfonic acid	0.185	ng/g	U	N	ND	1.85E-04	0.510
TPH	SFB-24-323271	0	1	05/14/2024	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	2.61	mg/kg	U	N	ND	2.61E+00	8.03
TPH	SFB-24-323272	0	1	05/14/2024	TPH-DRO	Total Petroleum Hydrocarbons Diesel Range O	2.42	mg/kg	U	N	ND	2.42E+00	7.45
LCMS/MS	SFB-24-323272	0	1	05/14/2024	24448-09-7	Methyl perfluorooctane sulfonamidoethanol[N	0.437	ng/g	U	N	ND	4.37E-04	1.12
LCMS/MS	SFB-24-323272	0	1	05/14/2024	2355-31-9	methyl perfluorooctanesulfonamidoacetic acid	0.370	ng/g	U	N	ND	3.70E-04	1.12

Parameter Group	Field Sample ID	Start Depth (ft)	End Depth (ft)	Sample Date	CAS	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Detected Result Use (mg/kg)	Result Use (mg/kg)	Report Detection Limit
LCMS/MS	SFB-24-323272	0	1	05/14/2024	2058-94-8	Perfluoroundecanoic acid	0.185	ng/g	U	N	ND	1.85E-04	0.560
VOC	SFB-24-323275			05/14/2024	67-64-1	Acetone	0.00288	mg/kg	J	Y	2.88E-03	2.88E-03	0.00500
INORGANIC	SFB-24-323274	1	1	05/14/2024	Zn	Zinc	59.3	mg/kg		Y	5.93E+01	5.93E+01	2.16
INORGANIC	SFB-24-323274	1	1	05/14/2024	V	Vanadium	12.8	mg/kg		Y	1.28E+01	1.28E+01	0.54
SVOC	SFB-24-323274	1	1	05/14/2024	83-32-9	Acenaphthene	0.0590	mg/kg		Y	5.90E-02	5.90E-02	0.0415
SVOC	SFB-24-323274	1	1	05/14/2024	65-85-0	Benzoic Acid	0.441	mg/kg	BJ	N	ND	4.41E-01	0.83
SVOC	SFB-24-323273	0	1	05/14/2024	83-32-9	Acenaphthene	0.0144	mg/kg	J	Y	1.44E-02	1.44E-02	0.0379
SVOC	SFB-24-323273	0	1	05/14/2024	65-85-0	Benzoic Acid	0.422	mg/kg	BJ	N	ND	4.22E-01	0.757
SVOC	SFB-24-323273	0	1	05/14/2024	117-81-7	Bis(2-ethylhexyl)phthalate	0.0125	mg/kg	J	Y	1.25E-02	1.25E-02	0.0379
SVOC	SFB-24-323272	0	1	05/14/2024	117-81-7	Bis(2-ethylhexyl)phthalate	0.0143	mg/kg	J	Y	1.43E-02	1.43E-02	0.0375
INORGANIC	SFB-24-323274	1	1	05/14/2024	Pb	Lead	20.2	mg/kg		Y	2.02E+01	2.02E+01	2.16
INORGANIC	SFB-24-323274	1	1	05/14/2024	Na	Sodium	97.1	mg/kg		Y	9.71E+01	9.71E+01	27
INORGANIC	SFB-24-323273	0	1	05/14/2024	Pb	Lead	11.1	mg/kg		Y	1.11E+01	1.11E+01	2.22
INORGANIC	SFB-24-323273	0	1	05/14/2024	Na	Sodium	99.8	mg/kg		Y	9.98E+01	9.98E+01	27.7
INORGANIC	SFB-24-323271	0	1	05/14/2024	Zn	Zinc	37.4	mg/kg		Y	3.74E+01	3.74E+01	2.08
SVOC	SFB-24-323272	0	1	05/14/2024	65-85-0	Benzoic Acid	0.395	mg/kg	BJ	N	ND	3.95E-01	0.75
SVOC	SFB-24-323271	0	1	05/14/2024	65-85-0	Benzoic Acid	0.438	mg/kg	BJ	N	ND	4.38E-01	0.79
INORGANIC	SFB-24-323272	0	1	05/14/2024	Zn	Zinc	29.5	mg/kg		Y	2.95E+01	2.95E+01	2.02
INORGANIC	SFB-24-323274	1	1	05/14/2024	Al	Aluminum	7480	mg/kg		Y	7.48E+03	7.48E+03	21.6
INORGANIC	SFB-24-323274	1	1	05/14/2024	Cu	Copper	6.33	mg/kg		Y	6.33E+00	6.33E+00	2.16
INORGANIC	SFB-24-323274	1	1	05/14/2024	Cr	Chromium	6.56	mg/kg		Y	6.56E+00	6.56E+00	1.08
INORGANIC	SFB-24-323274	1	1	05/14/2024	Co	Cobalt	8.14	mg/kg		Y	8.14E+00	8.14E+00	0.54
INORGANIC	SFB-24-323274	1	1	05/14/2024	Ca	Calcium	2170	mg/kg		Y	2.17E+03	2.17E+03	27
INORGANIC	SFB-24-323274	1	1	05/14/2024	Ba	Barium	789	mg/kg	*	Y	7.89E+02	7.89E+02	0.54
INORGANIC	SFB-24-323273	0	1	05/14/2024	Al	Aluminum	3850	mg/kg		Y	3.85E+03	3.85E+03	22.2
INORGANIC	SFB-24-323273	0	1	05/14/2024	Ag	Silver	0.201	mg/kg	J	Y	2.01E-01	2.01E-01	0.554
INORGANIC	SFB-24-323273	0	1	05/14/2024	Cu	Copper	9.29	mg/kg		Y	9.29E+00	9.29E+00	2.22
INORGANIC	SFB-24-323273	0	1	05/14/2024	Cr	Chromium	4.3	mg/kg		Y	4.30E+00	4.30E+00	1.11
INORGANIC	SFB-24-323273	0	1	05/14/2024	Cd	Cadmium	0.158	mg/kg	J	Y	1.58E-01	1.58E-01	0.554
INORGANIC	SFB-24-323273	0	1	05/14/2024	Ca	Calcium	1400	mg/kg		Y	1.40E+03	1.40E+03	27.7
INORGANIC	SFB-24-323272	0	1	05/14/2024	Cr	Chromium	6.69	mg/kg		Y	6.69E+00	6.69E+00	1.01
INORGANIC	SFB-24-323272	0	1	05/14/2024	Co	Cobalt	4.63	mg/kg		Y	4.63E+00	4.63E+00	0.506
INORGANIC	SFB-24-323272	0	1	05/14/2024	Cd	Cadmium	0.102	mg/kg	J	Y	1.02E-01	1.02E-01	0.506
INORGANIC	SFB-24-323272	0	1	05/14/2024	Ca	Calcium	1930	mg/kg		Y	1.93E+03	1.93E+03	25.3
INORGANIC	SFB-24-323272	0	1	05/14/2024	Ba	Barium	1330	mg/kg	*	Y	1.33E+03	1.33E+03	0.506
INORGANIC	SFB-24-323272	0	1	05/14/2024	Al	Aluminum	8620	mg/kg		Y	8.62E+03	8.62E+03	20.2
INORGANIC	SFB-24-323271	0	1	05/14/2024	Cd	Cadmium	0.112	mg/kg	J	Y	1.12E-01	1.12E-01	0.521
INORGANIC	SFB-24-323271	0	1	05/14/2024	Ca	Calcium	1120	mg/kg		Y	1.12E+03	1.12E+03	26
INORGANIC	SFB-24-323271	0	1	05/14/2024	Al	Aluminum	4550	mg/kg		Y	4.55E+03	4.55E+03	20.8
INORGANIC	SFB-24-323271	0	1	05/14/2024	Mg	Magnesium	1050	mg/kg		Y	1.05E+03	1.05E+03	31.3
INORGANIC	SFB-24-323271	0	1	05/14/2024	K	Potassium	741	mg/kg		Y	7.41E+02	7.41E+02	26
INORGANIC	SFB-24-323271	0	1	05/14/2024	Hg	Mercury	0.0167	mg/kg	J	Y	1.67E-02	1.67E-02	0.0242
INORGANIC	SFB-24-323271	0	1	05/14/2024	Fe	Iron	10500	mg/kg		Y	1.05E+04	1.05E+04	26
INORGANIC	SFB-24-323271	0	1	05/14/2024	Cu	Copper	3	mg/kg		Y	3.00E+00	3.00E+00	2.08
INORGANIC	SFB-24-323271	0	1	05/14/2024	Cr	Chromium	5.13	mg/kg		Y	5.13E+00	5.13E+00	1.04
INORGANIC	SFB-24-323271	0	1	05/14/2024	Pb	Lead	7.5	mg/kg		Y	7.50E+00	7.50E+00	2.08
INORGANIC	SFB-24-323271	0	1	05/14/2024	Na	Sodium	117	mg/kg		Y	1.17E+02	1.17E+02	26
INORGANIC	SFB-24-323271	0	1	05/14/2024	Mn	Manganese	235	mg/kg		Y	2.35E+02	2.35E+02	1.04
INORGANIC	SFB-24-323271	0	1	05/14/2024	V	Vanadium	10.3	mg/kg		Y	1.03E+01	1.03E+01	0.521
INORGANIC	SFB-24-323272	0	1	05/14/2024	V	Vanadium	19.9	mg/kg		Y	1.99E+01	1.99E+01	0.506
INORGANIC	SFB-24-323273	0	1	05/14/2024	Zn	Zinc	85.5	mg/kg		Y	8.55E+01	8.55E+01	2.22
INORGANIC	SFB-24-323274	1	1	05/14/2024	Mn	Manganese	495	mg/kg		Y	4.95E+02	4.95E+02	1.08

Attachment 4

Compact Disc including Additional Information and Data Tables in Support of the Closure of the TA-16-399 Burn Tray

[Placeholder for CD with Analytical Data and Preparation Files to be Provided to MNED-HWB Only]

Attachment 5

Photographs of Removal of Soil and Confirmation Soil Sampling Activities in 2019, 2021, 2023, and 2024



Photograph 17. November 17, 2021 at dioxin/furan "hotspot" removal south of fenced portion of unit facing north during sampling



Photograph 18. December 1, 2021 within fenced area after excavation, facing west



Photograph 19. December 1, 2021



Photograph 20. December 1, 2021 after excavation, facing east during soil sample collection



Photograph 21. May 8, 2023 staging within fenced area prior to soil excavation



Photograph 22. May 8, 2023 while excavating



Photograph 23. May 8, 2023 placing waste bins outside of fenced area in central accumulation area



Photograph 24. May 8, 2023 during excavation activities, facing east



Photograph 25. May 9, 2023 during excavation activities, facing east



Photograph 26. July 17, 2023 facing east while staging a waste bin



Photograph 27. August 18, 2023 during excavation; example of material encountered- old fencing material



Photograph 28. September 8, 2023 after excavation was complete for the day facing southeast



Photograph 29. October 18, 2023 excavation activities facing north



Photograph 30. October 20, 2023 after excavation was complete for the day facing south-southwest



Photograph 31. October 20, 2023 after excavation was complete for the day facing west



Photograph 32. October 20, 2023 after excavation was complete for the day facing north



Photograph 33. October 20, 2023 after excavation was complete for the day facing east



Photograph 34. October 26, 2023 during soil sample collection



Photograph 35. April 25, 2024 after final excavation activities



Photograph 36. May 14, 2024 during soil sample collection

Attachment 6

Technical Area 16-399 Burn Tray Human Health and Ecological Risk Screening Assessments, Revision 3.0

TECHNICAL AREA 16-399 BURN TRAY
HUMAN HEALTH AND ECOLOGICAL RISK-SCREENING ASSESSMENTS
REVISION 3.0

July 24, 2024

Prepared by:
TerranearPMC
222 Valley Creek Blvd Exton, PA 19341

For:
Waste Management Programs
Environmental Protection and Compliance Division
Los Alamos National Laboratory
P.O. Box 1663 MS M969, Los Alamos, NM 87545

EXECUTIVE SUMMARY

The area around the open burn (OB) unit at Technical Area 16-399 (TA-16-399) Burn Tray (the Unit) within the Los Alamos National Laboratory (LANL) boundary was sampled for numerous hazardous constituents. Surface and subsurface soil and tuff samples were collected in May and August 2019 and analyzed for inorganic and organic compounds. Historic data from 2009, 2012, and 2013 were also included and evaluated in this risk assessment. Samples located within excavated areas and the soil removal area are not included in the risk assessment; however, confirmation samples collected in December 2019 located at the bottom of the excavated area are included in the analysis as well as confirmation samples from 2021. Sampling, following excavation activities in 2023 and 2024, also provided data for this risk assessment. Data from all of these sample events were used to conduct human health and ecological risk-screening assessments.

For the human health risk-screening assessment, residential, construction worker, and industrial exposure scenarios were evaluated by comparing the maximum exposure point concentration for each analyte to the New Mexico Environment Department (NMED) soil screening levels (NMSSLs). Soils were characterized by depth into surface (0 to 1 foot) and subsurface (0 to 10 foot) intervals. The deepest soil samples were collected at 1.25 feet. The surface soils were evaluated for risk to industrial workers, whereas the subsurface soil was evaluated for risk to hypothetical future residents and construction workers. The following conclusions are made:

- Inorganics were compared to background values (BVs) and risk-based screening levels (SLs).
    - Six inorganics in the surface and subsurface soil intervals (i.e., barium, cadmium, copper, selenium, silver, and zinc) exceeded their respective BVs.
    - Of these, barium, selenium, silver, and zinc were statistically above background based on statistical evaluation of the surface and subsurface soil intervals.
    - There were no BVs for nitrate, nitrate as nitrogen, or perchlorate, and they were retained for risk analysis.
    - Silver data for the upper soil horizon for background were not available and so hypothesis tests were performed with data for the upper and lower tuff layer, and silver was retained on the basis of hypothesis testing.
    - Maximum concentrations of inorganics in both the surface and subsurface soils were less than risk-based NMSSLs.
    - Maximum concentrations of barium exceeded the migration to groundwater SL-SSL values.
- Detected organics were compared to risk-based SLs. There were several organics detected, including some energetics and breakdown products, dioxin/furans, some semivolatile aromatic hydrocarbons (SVOCs), and petroleum hydrocarbon diesel range organics (TPH DRO).
    - No analytes exceeded NMSSLs in surface soil.
    - The dioxin/furans were the only organics for which maximum concentrations exceeded risk-based NMSSLs in subsurface soil.
    - Maximum concentrations of amino-2,6-dinitrotoluene[4-], amino-4,6-dinitrotoluene[2-], and RDX in both surface and subsurface soil exceeded the migration to groundwater SL-SSL.
- The cumulative cancer risk (CCR) for residential use based on the maximum detected values was 5E-05. The CCR based on the maximum detected concentration was 1E-05 for industrial and 1E-06 for construction workers. Dioxin/furans were the largest contributor to the CCR.

- The Hazard Index (HI) for residential use based on the maximum detected values was 5. The HI based on maximum detected concentrations for the construction worker scenario was 2. The HI for the industrial worker was less than 1.

The upper 95th percent confidence limit (UCL95) was used to estimate the refined exposure point concentration (EPC) in order to recalculate the CCR and HI. The refined EPCs were used to estimate cancer risk and noncancer hazard for each of the evaluated human health receptors, with the following results:

- The CCR for residential use based on a UCL95 was 6E-06, below the target cancer risk threshold of 1E-05. The HI based on the UCL95 for the residential use scenario was 0.6, less than the target hazard index of 1, and indicating no noncancer hazard for hypothetical residential use.
- Based on the refined (UCL95) EPC, CCR for the industrial worker exposed to surface soil was 9E-07. Noncancer HIs based on UCL95 values used as the EPC were less than 1 for industrial workers.
- CCR for the construction worker receptors exposed to subsurface soil was 1E-07. Noncancer HIs based on UCL95 values used as the EPC were less than 1 for construction workers.
- There is no elevated cancer risk or noncancer hazard for worker receptors exposed to surface or subsurface soil.
- Refined EPCs for three detected analytes exceeded migration to groundwater screening levels. These were amino-2,6-dinitrotoluene[4-], amino-4,6-dinitrotoluene[2-], and RDX. Migration to groundwater NMSSLs were exceeded, however, the site is deemed to be a low-priority source for its potential impact to groundwater. There are no maximum contaminant level (MCL) drinking water standards for these three analytes.
- Based on this analysis, there is no potential human health cancer risk or noncancer hazard for a hypothetical future resident, industrial worker, or construction worker, due to potential exposure at the Unit.

Potential risk to ecological receptors was evaluated by analyzing different lines of evidence that were weighed to draw a conclusion regarding potential for adverse ecological effects. This included:

- Comparing maximum detected EPCs to no effect (NE) ecological screening levels (ESLs) to obtain no effect HQs.
- Comparing upper 95th percentile confidence limit EPCs to low effect (LE) ESLs to obtain low effect HQs.
- Calculating hazard indices, which are the sum of the HQs.
- Consideration of historic site-specific biological sampling.
- Application of site-specific population area use factors (PAUFs).

Maximum detected concentrations of several explosives (HMX, RDX, TATB, TNT), acenaphthene, benzoic acid, bis(2-ethylhexyl)phthalate, di-n-butylphthalate, dioxin/furans, TPH DRO, and some inorganics (i.e., barium, , selenium, silver, and zinc) exceeded NE ESLs with HQs above 0.1 in the initial evaluation of maximum concentrations to the minimum ESL. HIs based on maximum detected concentrations and the NE ESLs for individual receptor species were above 1 for most of the receptors (American kestrel (avian intermediate carnivore), American robin (avian herbivore), American robin (avian omnivore), American robin (avian insectivore), gray fox (mammalian top carnivore), mountain cottontail (mammalian herbivore), montane shrew (mammalian insectivore), deer mouse (mammalian omnivore), earthworm (soil-dwelling invertebrate), and generic plant (terrestrial autotroph-producer)).

Refined EPCs based on the UCL95 concentrations exceeded LE ESL values for a few of these same constituents and receptors. Barium, selenium, and zinc refined EPCs exceeded LE ESLs with HQs above 0.1. Refined EPCs for the explosive RDX; bis(2-ethylhexyl)phthalate; and dioxin/furan TCDD TEQ resulted in HQs above 0.1 for comparison to LE ESLs. HIs were above 1 for all receptors except the American kestrel (*Falco sparverius*) modeled as a top carnivore or insectivore/carnivore, gray fox (*Urocyon cinereoargenteus*), also a top carnivore, mountain cottontail (*Sylvilagus nuttallii*), a mammalian herbivore, and earthworms.

When exposure estimates were adjusted to account for the species home range by application of the population area use factor (PAUF) based on a site area of 2 ac (0.8094 ha), barium and selenium for deer mouse, plants, and earthworms produced HQs above 0.1. Zinc HQs were above 0.1 for plants and earthworms. The dioxin/furan TCDD TEQ exceeded NE ESLs for deer mouse and shrew with HQs above 0.1. HQs were above 0.1 for bis(2-ethylhexyl)phthalate for robin modeled as an omnivore or insectivore; RDX for earthworms and robin modeled as a herbivore or omnivore; TATB for earthworms; and TPH DRO for plants. The HI for the receptors based on NE ESLs and PAUFs for robin as insectivore was 2, the HI for montane shrew was 4, deer mouse was 9, and for earthworms and plants the HIs were 6 and 10, respectively.

The LE ESLs were compared to the refined UCL95 EPCs and adjusted with a PAUF based on the site area. There were few HQs above 0.1 for vertebrate receptors. HQs for barium were above 0.1 for earthworm and plants, HQs for selenium were above 0.1 for deer mouse and plants, HQs for RDX exceeded 0.1 for earthworm, and the HQs for TCDD TEQ exceeded 0.1 for montane shrew and deer mouse. The HI for deer mouse was 2, and the HI for plants was 6.

The small mammal tissue study indicated little uptake of dioxins/furans by small mammals at TA-16 as a whole, as well as little effect on mammal populations. Population metrics for birds were not statistically significantly different from controls.

Based on the soil dataset, there is minimal risk to ecological receptors for exposure to soils identified as the result of this screening analysis. The HIs for most of the ecological receptors based on exposure adjusted with PAUFs, refined EPCs, and LE ESLs are less than 1. The HIs are low and well within the expected error for the analysis. The potential risk for plants is elevated due to barium; however, the area is generally kept free of much vegetation because of the nearby operating site that will be used for the foreseeable future. This reduces the potential for plants to be receptors, and also minimizes habitat and food for small mammal receptors (i.e., reduces the potential for deer mice to be chronically exposed).

The Preliminary Remedial Goals (EcoPRGs) for barium for plants is 1400 mg/kg, which is higher than the refined EPC for the Unit of 1363 mg/kg. The EcoPRG for dioxin/furans is 0.000032 mg/kg, which is higher than the refined EPC of 0.0000188 mg/kg. The EcoPRGs for selenium and RDX were also higher than the refined EPCs. Because the measured EPCs for the major risk drivers are below applicable EcoPRGs, further evaluation of this Unit is not required.

Overall, the Unit does not pose an unacceptable risk to human health or ecological receptors, and it is recommended for clean closure in accordance with the Closure Plan, based on the closure performance standard (residential clean-up levels) outlined in the Closure Plan as well as the LANL Hazardous Waste Facility Permit.

Table of Contents

1. Introduction 1
   1.1. Conceptual Site Model 2
   1.2. Risk Assessment Dataset 3
2. Human Health Risk Assessment 4
   2.1. Identification of Chemicals of Potential Concern 4
      2.1.1. Comparison of Inorganic Analytes to Background 4
      2.1.2. Comparison of Maximum EPCs to NMSSLs 4
      2.1.3. Surrogates 4
      2.1.4. Calculation of Hazard Index or Cumulative Cancer Risk 6
   2.2. Screening Evaluation 6
      2.2.1. Data Analysis 7
      2.2.2. Comparison to Background 8
      2.2.3. Maximum EPC for Inorganics 8
      2.2.4. Maximum EPC for Organics 8
      2.2.5. Results Based on Maximum Exposure Point Concentrations 9
      2.2.6. Results Based on Refined Exposure Point Concentrations 9
      2.2.7. Lead 10
      2.2.8. Nondetected Analytes 10
      2.2.9. Migration to Groundwater 10
   2.3. Uncertainty Analysis 11
      2.3.1. Reporting Limits in Excess of NMSSLs 11
      2.3.2. Exposure Assessment 11
      2.3.1. Data and Data Analysis 12
      2.3.2. Toxicity Values 12
      2.3.3. Additive Approach 13
   2.4. Conclusions 13
3. ECOLOGICAL SCREENING ASSESSMENT 14
   3.1. Introduction 14
   3.2. Problem Formulation 15
   3.3. Screening Evaluation 15
      3.3.1. Inorganics 16
      3.3.2. Dioxin and Furans 17
      3.3.3. Other Organics 17
      3.3.4. Hazard Indices 17

3.4. Uncertainty Analysis 17
3.4.1. Chemical Form 17
3.4.2. Exposure 18
3.4.3. Mixture Toxicity 18
3.4.4. Small-Mammal Field Investigations 18
3.4.5. Avian Field Investigations 19
3.4.6. Detection Frequency and Areal Extent of Concentrations Greater than Screening Levels 19
3.4.7. Detected Analytes Without ESLs 21
3.4.8. Data and Area Use Factors 21
3.4.9. Comparison to Preliminary Remedial Goals 22
3.5. Conclusions 23
4. References 23

Attachments

Attachment A. ProUCL Output for UCL95 and Background Statistics

List of Tables

Table 1-1. Samples Included in Risk Assessment Dataset 29
Table 2-1. NMSSLs and Surrogate Values Used in the Risk Assessment 35
Table 2-2. Summary Statistics for Detected Analytes in the Risk Assessment Surface Soil Data 40
Table 2-3. Summary Statistics for Detected Analytes in the Risk Assessment Subsurface Soil Data 42
Table 2-4. Comparison of Maximum Detected Values to Background 44
Table 2-5. Human Health Screening Results for Maximum Detected Exposure Point Concentrations Greater than Background 46
Table 2-6. Human Health TEFs 48
Table 2-7. Dioxin and Furan Soil Data and TEQ Calculations by Sample 49
Table 2-8. Refined Exposure Point Concentrations 55
Table 2-9. Human Health Risk Assessment with Refined EPCs 57
Table 2-10. Comparison of the Maximum MDL to NMSSLs for Each Nondetected Analyte. 59
Table 3-1. LANL No Effect (NE) ESLs Used in the Ecological Risk Assessment 64
Table 3-2. Ecological Screening Evaluation Results Using Maximum Detected Soil Concentrations and No Effect ESLs. 65
Table 3-3. Low Effect (LE) ESLs for COPECs. 67
Table 3-4. Ecological Risk Evaluation Hazard Quotients With Refined EPCs and LE ESLs. 69
Table 3-5. Toxic Equivalency Factors (TEFs) Used for Calculating TCDD Equivalent Concentrations for Mammals and Birds 71
Table 3-6. Dioxin-Furan Concentrations, TECs, and TEQs for Mammals by Sample 72
Table 3-7. Dioxin-Furan Concentrations, TECs, and TEQs for Birds by Sample 78
Table 3-8. No Effect Hazard Index Analysis by Receptor for Exposure Adjusted with Population Area Use Factors. 84

Table 3-9. Low Effect Hazard Index Analysis by Receptor for Exposure Adjusted with Population Area Use Factors. 86
Table 3- 10. PRGs for Ecological Receptors with LOAEL PAUF HQs> 0.1. 88

List of Figures

Figure 1-1. Map of Sampling Locations For TA-16-399 90
Figure 1-2. Sampling Locations Showing Excavated Boundary and Locations 91
Figure 1-3. Soil Concentrations for Nitrates, Perchlorates and Metals Detected Above Background Values 92
Figure 1-4. Soil Concentrations for Explosives 93
Figure 1-5. Toxic Equivalency (TEQ) Values for Dioxin/Furan Congeners 94
Figure 3-1. Ecological Conceptual Site Model 95

Acronyms and Abbreviations

ac	acre
ANFO	Ammonium Nitrate-Fuel Oil
AUF	Area Use Factor
bgs	Below ground surface
BV	Background Value
COPC	Contaminant of Potential Concern
COPEC	Contaminant of Potential Ecological Concern
CCR	Cumulative Cancer Risk
DRO	Diesel Range Organics
EPC	Exposure Point Concentration
ESL	Ecological Screening Level
GRO	Gasoline Range Organics
ha	Hectare
HE	High Explosive
HI	Hazard Index
HMX	Octahydro-1,3,5,7- Tetranitro-1,3,5,7- Tetrazocine
HQ	Hazard Quotient
HR	Home Range
LANL	Los Alamos National Laboratory
LD50	Lethal Dose for Half of the Population
LE	Low Effect
LOAEL	Lowest Observed Adverse Effect Level
MDL	Method Detection Limit
NE	No Effect
NMED	New Mexico Environment Department
NMSSL	New Mexico Soil Screening Levels
NOAEL	No Observed Adverse Effect Level
OB	Open Burn
PAUF	Population Area Use Factor
PFAS	Perfluoro- and polyfluoroalkyl substances
PETN	2,2-bis[(nitroxy)methyll-1,3-propanediol dinitrate
RDX	Cyclo-1,3,5-Trimethylene-2,4,6-Trinitramine
RfD	Reference Dose
RSL	USEPA Regional Screening Level
RSRL	Regional Statistical Reference Levels
SF	Cancer Slope Factor
SL	Screening Level
SSLs	Soil Screening Levels
SVOC	Semi-Volatile Organic Chemical
SWMU	Solid Waste Management Unit TA Technical Area
TATB	Triamino Trinitrobenzene
TECi	Toxicity Equivalent Concentration for congener ***i***
TEF	Toxicity Equivalency Factor
TEQ	Toxicity Equivalent Quotient
TCDD	2,3,7,8-Tetrachlorodibenzo-p-dioxin
TNT	2,4,6-trinitrotoluene
UCL95	95% Upper Confidence Limit On The Mean
VOC	Volatile Organic Chemical
WHO	World Health Organization
WOE	Weight of Evidence

1. INTRODUCTION

Technical Area -16 (TA-16) is located in the southwestern portion of LANL at the west end of the Pajarito Plateau near the foothills of the Jemez Mountains (Figure 1-1). The TA-16 Burn Ground consists of the TA-16-388 Flash Pad and the TA-16-399 Burn Tray co-located with several Solid Waste Management Units in the immediate area. Only the TA-16-399 Burn Tray (the Unit) is addressed by this risk assessment conducted in support of *Final Action and Response to Comments Closure Plan for Technical Area 16-399 Open Burn Unit, Los Alamos National Laboratory, EPA ID #NM0890010515* (Closure Plan). The surface media at the TA-16 Burn Ground includes soil, debris, vegetation, and rocks. Only soil was sampled for this investigation.

The Unit is located in the northeast portion of TA-16. Elevation ranges from approximately 7,700 feet at the west end of the TA to approximately 6,800 feet at the lower east end. Topography varies from steep canyon walls to sloping mesa tops. The open burn (OB) units were managed by the high explosives (HE) engineering personnel who were responsible for the safe treatment, storage, and handling of HE waste and HE contaminated wastes generated by the HE production facilities at LANL. The Unit was a 4-ft by 16-ft covered steel tray lined with firebricks and supported by 1.5-ft high legs on wheels with tracks. It included a concrete pad with an electrical panel and is surrounded by a chain-link fence. The maximum treatment capacity of the Unit was 1000 pounds of waste per burn.

The Unit was used to treat a single waste stream by open burning to destroy the characteristic of reactivity (D003). The bulk of explosives in the waste stream were: octahydro-1,3,5,7- tetranitro-1,3,5,7-tetrazocine (HMX); cyclo-1,3,5-trimethylene-2,4,6-trinitramine (RDX): 2,2-bis[(nitroxy)methyll-1,3-propanediol dinitrate (PETN); 2,4,6-trinitrotoluene (TNT); and triamino trinitrobenzene (TATB). Additionally, mixtures of explosives including ammonium nitrate-fuel oil (ANFO), Composition B, Cyclotol, IMX-101, PBX 9404, PBX 9407, PBX 9501, PBX 9502, X0233, X0533, XTX 8003, XTX 8004, LX-02, LX-07, LX-10, and LX-14 were treated. Records of waste treated at the Unit from 1951 to1980 were not available, and therefore analysis of target analyte metals, nitrates, perchlorate, volatile organic chemicals (VOCs), semi volatile organic chemicals (SVOCs), petroleum hydrocarbon diesel range organics (DRO), petroleum hydrocarbon gasoline range organics (GRO), dioxins/furans, and HE degradation products were added to the analytical suite required by the Closure Plan.

Sampling to identify potential contaminants was conducted in May and August 2019 in accordance with the Closure Plan. Sampling from past activities in 2009, 2012, and 2013, as well as samples collected post soil excavation (December 2019) have been included in this revised assessment per direction by the New Mexico Environment Department- Hazardous Waste Bureau (NMED-HWB) in correspondence dated November 18, 2020. Additional samples were collected in August and October, 2023 following excavation, and soil sampling was performed again in May, 2024 after limited excavation to remove soils containing elevated levels of RDX. Samples collected in 2009, 2012, 2013, and 2020 were not analyzed for all parameters. The 2023 and 2024 samples added per- and polyfluoroalkyl substances (PFAS) to the analytical list. The relevant analytical data for those sample collection events are included to support site characterization in evidence of meeting the closure performance standard within Section 4.1, *Closure Performance Standard* of the Closure Plan.

Human health and ecological risk-screening assessments were conducted using the soil samples mentioned above. NMED (2022) guidelines use 0 to 1 foot depth for industrial worker SL and 0 to 10 foot depth for residential and construction worker SLs. For ecological receptors, surface soil is considered to be 0 to 1 foot for non-burrowing animals and shallow rooted plants, and 0 to 6 feet for burrowing animals and deep rooted plants. For this project, all soil samples were collected from 0 to 1.25 feet below

ground surface (bgs). This data set is representative of site conditions; however, it is a depth limited dataset. Apart from the excavated area within the fence line, very little soil exists at the site. The results of the risk-screening assessments are presented in the following sections.

1.1. CONCEPTUAL SITE MODEL

The primary land use is industrial because only authorized Laboratory workers currently have access to the area around the TA-16 Burn Ground. Laboratory workers are the primary human receptors, and the industrial scenario is the defining scenario for the human health risk-screening assessment (i.e., the scenario on which decisions are based). Because the site is located within the boundaries of an operational facility (TA-16), the reasonably foreseeable future land use will continue to be industrial. A Hypothetical Future Residential and a construction worker exposure are also assessed and provided for comparison purposes.

The release of contaminants from open burn operations has occurred for more than 50 years. Releases are transported primarily by wind, which rapidly disperses the material in ambient air. Most material is deposited close to the source(s) and concentrations decrease with distance from the source. Exposure to a site worker may occur through various surface soil contact pathways. Data for both surface and subsurface soil depths were combined for the human health risk assessment. The exposure interval for industrial workers is 0 to 1 foot below ground surface (bgs), and 0 to 10 feet bgs for residential use and construction workers. Since all data fall within 0 to 1 foot, the available data set was used for all receptors.

Potential exposure pathways are:

- Incidental ingestion of surface soil
- Inhalation of fugitive dust or volatiles emanating from surface soil
- Dermal contact with surface soil

The primary ecological exposure pathways are also based on direct or indirect contact with surface soils. These include root uptake, incidental ingestion of soil, and biotic uptake leading to food-web transport. Exposure of plants and soil invertebrates is not related to dietary pathways but is the result of direct contact with, and uptake from, the surrounding medium. For terrestrial wildlife, most exposure is through the oral pathway from the diet and incidental ingestion of soil (Sample et al. 1998). The dermal contact and inhalation pathways are not typically assessed quantitatively in ecological risk assessments, based on guidance indicating the ingestion route is most important to terrestrial animals (EPA 1997; EPA 2003). Dermal exposure to wildlife is mitigated by the fur or feathers covering the bodies of most vertebrates and the incidental consumption of soil during grooming is included in the direct soil ingestion estimates.

Respirable dust particles are most likely ingested rather than inhaled, and this pathway is negligible (EPA 1997; EPA 2003), while non-respirable dust is ingested and accounted for in incidental soil ingestion values for wildlife species (EPA 1993; EPA 2003). Therefore, the exposure pathways considered in the development of the ecological screening levels (ESLs) used in the risk-screening assessment capture the primary exposure for wildlife receptors, which are soil and dietary ingestion.

Grazing animals are not considered to be a potential pathway of exposure for human health. Per NMED (2022) cattle must be considered to determine if beef ingestion is a likely exposure pathway on sites greater than 2 acres in size. The total area where all of the samples were collected is approximately 2 acres. This is equivalent to 0.8 hectare (ha). The area within the SWMU boundary is 0.64 ac (0.26 ha). The fence provides some deterrence of animals into the area. The dominant land cover type around the

unit is a ponderosa pine (*Pinus ponderosa*) forest with a shrub component of Gambel oak (*Quercus gambelii*) and mountain mahogany (*Cercocarpus montanus*). Large game animals are common in the forested areas around the Unit. Within the Unit, ground cover is primarily comprised of rocky or bare soil with plants dispersed irregularly. The plant species present are mostly early successional species, often non-native, that tend to do well in disturbed habitats, including cheatgrass (*Bromus tectorum*), rubber rabbitbrush (*Ericameria nauseosa*), broom snakeweed (*Gutierrezia sarothrae*) and common mullein (*Verbascum thapsus*). Large mammals lack adequate cover, forage, or water at the Unit and generally stay out of the area.

1.2. RISK ASSESSMENT DATASET

The risk assessment dataset contains current and historical data. Twelve surface soil samples including one duplicate were collected in May and August 2019 for a total of 11 grid points sampled. Soil samples were collected as grab samples (independent, discrete samples) from a depth of 0 to 2 inches below ground surface and 2 to 12 inches.

Data were collected in 2023 following excavation of various locations with high barium and explosives concentrations. PFAS samples were collected in 2023 to serve as a baseline. An additional 28 samples were collected in August and October of 2023 including closure plan samples and confirmation samples. Samples ranged from 0 to 6 inches and 6 or 9 to 15 inches in depth (Table 1-1).

Following data analysis, two samples were excavated and an additional four confirmation samples were collected in May 2024 and added to the risk assessment dataset. Samples were analyzed for the following:

- Volatile Organic Compounds (VOCs)
- Semi-Volatile Organic Compounds (SVOCs)
- Total Metals
- Dioxins/Furans
- Perchlorate
- High Explosives and Degradation products
- Nitrates
- DRO and GRO
- PFAS

In addition, inorganics and dioxin/furan samples from 2009, as well as samples of inorganics and organics from 2012 and 2013, were included in the risk assessment dataset. High explosives samples were collected in 2020 from an area at the site where soil was excavated to ensure removal of explosives contamination. Data from 16 samples collected from excavations in 2021 were added to the risk assessment dataset for metals, high explosives, and dioxin/furan congeners after two additional excavations of soil at the site.

Figure 1-1 shows a map of the site including excavations areas and all sampling locations from which data were obtained for use in the risk assessment. Figures 1-2, 1-3, and 1-4 depict concentration maps for various constituents that are helpful to see spatially.

The samples collected by date that remain in the risk assessment dataset are reported in Table 1-1.

2. HUMAN HEALTH RISK ASSESSMENT

2.1. IDENTIFICATION OF CHEMICALS OF POTENTIAL CONCERN

2.1.1. Comparison of Inorganic Analytes to Background

Inorganic analytes are first compared to background values (BV) established for the site (LANL 1998). No further evaluation is necessary for analytes for which the maximum is less than the BV, and these data are not compared to NMED (2022) risk-based soil screening levels (NMSSLs). Organic analytes are not compared to background values as a matter of standard practice, although there are naturally occurring sources of organic constituents. For those analytes above BV, statistical hypothesis testing is performed by comparing the site data to the LANL background dataset for the soil horizons. A Wilcoxon-Mann-Whitney test was performed to determine if site data were statistically elevated above background, unless there were too many multiple detection limits, in which case a Gehan test was performed.

2.1.2. Comparison of Maximum EPCs to NMSSLs

Maximum concentrations of all detected analytes are compared to NMSSLs (Table 2-1). Some organic analytes (2,4- and 2,6- dinitrotoluene, dinitrobenzenes) were chemically analyzed by more than one method, resulting in an apparently higher sample count (Table 2-2). The presence of duplicate samples also could provide one sample that is higher than the other. The maximum concentration regardless of the method was used as the maximum exposure point concentration (EPC), which is the environmental concentration to which the receptors are potentially exposed. Field duplicates, but not field trip blanks, were included in the data analysis for determining maximum concentrations.

2.1.3. Surrogates

Where an NMSSL was not available, the USEPA Regional Screening Level (RSL) for residential soils was applied as an SL for residential use, and the RSL for industrial commercial soil was used as the SL for industrial and construction workers. Cancer-based RSLs were adjusted to a cancer risk (CR) level of 1E-05 by multiplying the RSL by 10; noncancer RSLs were based on a hazard quotient (HQ) of 1. If an RSL was also not available, a suitable surrogate is proposed if physicochemical data suggest identifying a suitable surrogate. Most of the surrogates are proposed for nondetected analytes in order to verify that method detection limits (MDLs) are suitable for performing risk assessment. Surrogates were obtained for the following analytes because NMSSLs were not available (Table 2-1); note that most of these analytes are not detected, and the NMSSL or surrogate is used to verify reporting limits are adequate:

- 2,4-Diamino-6-nitrotoluene – There is no NMSSL or RSL. Use o-nitrotoluene RSLs, which has both cancer and noncancer RSL values, and the lowest of the nitrotoluene isomer cancer RSLs.
- 2,6-Diamino-4-nitrotoluene – Use o-nitrotoluene RSLs, which has both cancer and noncancer RSL values, and the lowest of the nitrotoluene isomer cancer RSLs.
- 3,5-Dinitroaniline – There is no NMSSL. The amino-4,6-dinitrotoluene[2-] NMSSL was used as a surrogate based on structural similarity.
- Acenaphthylene – There is no NMSSL or RSL. The NMSSLs for pyrene were used as a surrogate based on structural similarity.
- Aniline - There is no NMSSL. The RSLs were used as a surrogate.
- Azobenzene - There is no NMSSL. The RSLs were used as a surrogate.
- Benzo(g,h,i)perylene – There is no NMSSL or RSL. The NMSSLs for pyrene were used as a surrogate.

- Benzoic Acid - There is no NMSSL. RSLs were used as a surrogate.
- Benzyl Alcohol- There is no NMSSL. RSLs were used as a surrogate.
- Bis(2-chloroethoxy)methane- There is no NMSSL. RSLs were used as a surrogate.
- Bromobenzene - There is no NMSSL. RSLs were used as a surrogate.
- Bromochloromethane - There is no NMSSL. RSLs were used as a surrogate.
- Bromophenyl-phenylether[4-] – There is no NMSSL or RSL. The RSL for pentabromodiphenyl ether was used.
- Butylbenzene isomers – There are no NMSSLs. The RSLs are used as surrogates.
- Butylbenzylphthalate – There are no NMSSLs. The RSLs are used as surrogates.
- Chloro-3-methylphenol[4-]– There are no NMSSLs. The RSLs are used as surrogates.
- Chloroaniline[4-] – There are no NMSSLs. The RSLs are used as surrogates.
- Chlorophenyl-phenyl[4-] Ether– There is no NMSSL or RSL. No recommendation for a surrogate is made.
- Chlorotoluene[4-] – Use the NMSSLs for the o-chlorotoluene isomer because the RSLs for the two isomers are the same.
- Dibenzofuran – There are no NMSSLs. The RSLs are used as surrogates.
- Dichlorobenzene[1,3-] – There is no NMSSL or RSL. The NMSSLs for 1,4-dichlorobenzene were used as it may be the more toxic isomer considering it has cancer-based as well as noncancer-based endpoints.
- Dichloropropane[2,2-] – There is no NMSSL or RSL. The NMSSLs for 1,2-dichloropropane were used. The RSL is higher for 1,3 than 1,2 dichloropropane, and therefore this is considered conservative.
- Dichloropropane[1,3-] – There is no NMSSL. The NMSSLs for 1,2-dichloropropane were used.
- Dichloropropene[1,1-] – There is no NMSSL or RSL. The NMSSLs for 1,3-dichloropropene were used.
- Dichloropropene[cis-1,3-] – There is no NMSSL or RSL. The NMSSLs for 1,3-dichloropropene were used.
- Dichloropropene[trans-1,3-] – There is no NMSSL or RSL. The NMSSLs for 1,3-dichloropropene were used.
- Dimethyl phthalate– There is no NMSSL or RSL. The NMSSLs for diethyl phthalate were used.
- Dinitrobenzene[1,3-] – There are no NMSSLs. The RSLs are used as surrogates.
- Di-n-octylphthalate – There are no NMSSLs. The RSLs are used as surrogates.
- Diphenylamine – There are no NMSSLs. The RSLs are used as surrogates.
- Hexanone[2] – There are no NMSSLs. The RSLs are used as surrogates.
- Iodomethane – There is no NMSSL or RSL. The RSL for bromomethane is used as a surrogate.
- 4-Isopropyltoluene – There is no NMSSL. The NMSSL values for isopropylbenzene were used as a surrogate.
- Methylphenols – There are no NMSSLs for these compounds. The RSLs were applied for 2- and 4- methylphenol. The RSLs for 3-methylphenol were used for 3,4-methylphenol.
- Nitroanilines – There are no NMSSLs for these compounds. The RSLs were applied for 2- and 4-nitroaniline. The RSL for 4-nitroaniline was applied to 3-nitroaniline.

- Nitrophenols – There are no NMSSLs or RSLs for these compounds. The RSLs for phenol were applied for 2- and 4-nitrophenol.
- Nitroso-di-n-propylamine[N-] – There are no NMSSLs. The RSLs were applied.
- PETN - There is no NMSSL for PETN. RSLs were used as a surrogate.
- Propylbenzene[1-] – There are no NMSSLs. The RSLs are used as surrogates.
- Pyridine– There are no NMSSLs. The RSLs are used as surrogates.
- 1,3,5-Trinitrobenzene – There is no NMSSL. RSLs for 1,3,5-trinitrobenzene were used as a surrogate.
- TATB – There is no NMSSL or RSL for TATB. RSLs for 1,3,5-trinitrobenzene were used as a surrogate because of structural similarity.
- Trimethylbenzenes – There are no NMSSLs. The RSLs are used as surrogates.
- Tris (o-cresyl) phosphate – There is no NMSSL or RSL. The RSL for tris(2-ethylhexyl)phosphate was applied as a similar structure without halogen substitutions.
- Xylenes, m,p - The NMSSL for total xylenes was applied.

2.1.4. Calculation of Hazard Index or Cumulative Cancer Risk

Noncancer HQs are calculated as follows using the NMSSL based on noncancer endpoints:

$$HQ = EPC/NMSSL$$

A Hazard Index (HI) was calculated by summing all of the HQs as follows:

$$HI = \sum HQ1, HQ2, \ldots$$

A CR was calculated as follows using the cancer-based NMSSL for each receptor and adjusting from a ratio to a cancer risk:

$$CR = \frac{EPC}{NMSSL} * 1 \times 10^{-5}$$

A Cumulative Cancer Risk (CCR) was calculated by summing the cancer risks for each detected analytes as follows:

$$CCR = \sum CR1, CR2, \ldots..$$

If the HI exceeded 1, or the CCR exceeded 1E-05, a refined EPC was calculated as described in Section 2.2. These refined EPCs were then compared to the NMSSLs.

2.2. SCREENING EVALUATION

For the initial screening evaluation step, for both organics and inorganics, the maximum detected value for each analyte was used as the EPC. This is conservative in that the EPC is compared to both the cancer and noncancer-based screening levels by dividing the maximum value by the screening level. The cancer based ratio is converted to a cancer risk by multiplying by 1E-05.

In addition, reporting limits for nondetected analytes were evaluated in order to avoid dropping contaminants from the analysis prematurely. Matrix interference can lead to elevated MDLs in individual samples, whereas for some analytes with high toxicity, detection limits below NMSSLs cannot be readily attained.

In the NMED (2022) screening process, if the HI and CCR are below targets of 1 and 1E-05, then the evaluation of human health risks concludes that there is no elevated noncancer hazard or cancer risk. If the maximum HI or CCR exceeded target levels of 1 or 1E-05, respectively, evaluation was continued with the UCL95 used as the refined EPC for the comparison. For this step in the screening process, only the higher of the two values in the duplicate pair was used in the statistical calculation.

A 95% upper confidence level (UCL95) was calculated for all contaminants of potential concern (COPCs) with the USEPA ProUCL 5.2 software (EPA 2022) if there were more than 8 samples for an analyte and more than 5 detected values. If there were too few detected concentrations reported to allow calculation of a UCL95 (i.e., number of detections <5), the median of all the detected data for the analyte was used. This is consistent with NMED (2022) and EPA (2022) guidance that states that UCLs should not be calculated when the number of detections is low, and a more robust statistic, such as the median, should be applied. If there was only one detection, this single maximum detected value was used.

Guidance from NMED (2022) was used to evaluate dioxin/furan concentrations. This guidance relies on the 2005 World Health Organization (WHO) toxicity equivalency factors (TEF) (Van den berg et al. 2006) approach. The TEFs are multiplied by the measured concentration to obtain a congener-specific product called the toxicity equivalent concentration (TECi), and the product for each TECi is summed for each sample location. This sum is referred to as the toxicity equivalent quotient (TEQ). The TEQ is divided by the NMED screening level for 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) to obtain a risk ratio.

The toxicity of the various constituents analyzed in this investigation is incorporated into the screening levels. Screening levels are the abiotic media concentration at which toxic effects are not expected (i.e., a noncancer hazard quotient would equal 1, or a cancer risk would equal 1×10^{-5}), for a stated exposure scenario with default exposure parameters as defined by NMED (2022). Thus, when the concentration at the Unit is less than the screening levels, it is less than expected toxic levels.

The following sections present the human health risk-screening assessment for the Unit. The maximum EPC for each detected analyte was compared with the industrial worker, construction worker, and hypothetical future resident soil NMSSLs. The NMSSLs used in the evaluations were obtained from current NMED guidance (NMED 2022). The NMSSLs for carcinogens are equivalent to a 1×10^{-5} cancer risk, and for noncarcinogens the NMSSLs correlate to a HQ of 1. The HI was calculated by summing the HQs (NMED 2022), and the CCR was calculated by summing the CRs. Detected organic analytes were considered COPCs. Any detected inorganic analyte that exceeded background was also considered a COPC.

2.2.1. Data Analysis

Tables 2-2 and 2-3 present summary statistics for surface and subsurface samples, respectively. Maximum concentrations in the soil samples analyzed for inorganics were compared to the established soil BVs (LANL 1998) (Tables 2-2 and 2-3). The exposure interval for industrial workers is 0 to 1 foot bgs, and 0 to 10 feet bgs for hypothetical future residents and construction workers. The surface soils (Table 2-2) contain all of the data within the 0 to 1 foot interval, and the subsurface soil (Table 2-3)

contain all of the data from 0 to 10'. The subsurface data are depth limited because the deepest samples were 15 inches (1.25 feet).

2.2.2. Comparison to Background

The maximum detected result was used as the initial EPC and compared to background (Table 2-4). Background values for the site are from the 1998 background report (LANL 1998), and soil screening levels are the NMSSLs (Table 2-1). There were no BVs for perchlorate or nitrate. The maximum concentration for the following inorganics in surface and subsurface soil exceeded BVs, and they were then statistically evaluated by two-sample hypothesis tests. If the Wilcoxon-Mann-Whitney (or Gehan if ProUCL identified multiple detection limits or that the Wilcoxon-Mann-Whitney test was inappropriate) two sample hypothesis test indicated the site exceeded background, they were carried forward, and if the hypothesis test indicated that the Unit was not statistically different from background, they were not evaluated further. In addition, perchlorate, and nitrate and nitrate as nitrogen were retained because BVs were not available. There are no soil background data for silver, and therefore the upper and lower tuff background data were used in lieu of soil horizon data.

The following results apply to both surface and subsurface soils

- Barium – BV was exceeded; statistical testing showed Site>Background, therefore barium is retained for further evaluation.
- Cadmium – BV was exceeded. Statistical testing showed Site$\leq$ Background for both surface and subsurface soils. Therefore cadmium was rejected from further evaluation in both depth intervals..
- Copper – BV was exceeded. Statistical testing showed Site$\leq$Background for surface and subsurface soils, therefore reject from further evaluation. Selenium – BV was exceeded; statistical testing showed Site>Background, therefore retain for further evaluation for surface and subsurface soil.
- Selenium – BV was exceeded; statistical testing showed Site>Background, therefore retain for further evaluation.
- Silver – BV was exceeded. Statistical testing showed Site>Background for surface and subsurface soils, therefore retain for further evaluation.
- Zinc – BV was exceeded; statistical testing showed Site>Background, therefore retain for further evaluation.

The maximum concentration of all other inorganics was below BVs and they are not considered further.

2.2.3. Maximum EPC for Inorganics

The EPC used to calculate maximum cancer risk or noncancer risk for inorganics included the detected result and applied the MDL values for nondetected analytes in each sample. No inorganics exceeded NMSSLs in surface or subsurface soils. No MDLs exceeded maximum detected values for inorganics. For inorganic analytes, no reporting limits exceeded NMSSLs.

2.2.4. Maximum EPC for Organics

Calculation of the EPC used to obtain maximum cancer risk or noncancer hazard for organics conservatively included the detected result and applied the MDL value for nondetected analytes in each sample. Therefore, the maximum cancer risk or maximum noncancer HQ reported in Table 2-5 is the higher of the risk or hazard obtained by use of the maximum detected value or the maximum MDL. This

means that for those organics for which the maximum MDL exceeded the maximum detected value (i.e., shaded values in Table 2-2 and 2-3), risk or hazard will not be underestimated at this point in the analysis.

A few organics were detected in surface soil samples (Table 2-2) and subsurface soils (Table 2-3). These include energetics or explosives (e.g., HMX, RDX, TNT, and TATB) and TNT degradation products (e.g., 2,4-diamino-6-nitrotoluene and 2,6-diamino-4-nitrotoluene). SVOCs including acenaphthene, anthracene, and bis(2-ethylhexyl)phthalate were also detected (Tables 2-2 and 2-3), as was total petroleum hydrocarbon diesel range organics (TPH DRO).

2.2.5. Results Based on Maximum Exposure Point Concentrations

No detected organics exceeded the NMSSLs for residents or for industrial workers. No NMSSLs for construction workers were exceeded. The maximum TEQ for dioxin/furans was obtained by calculating a TEQ for each sample. The maximum TEQ was used to calculate the cancer risk and noncancer hazard. The maximum TEQ was greater than the target cancer risk levels of 1E-05 and the target HQ of 1 for residents (Table 2-5). The maximum TEQ did not exceed NMSSLs for industrial or construction workers.

The CCR based on the maximum detected value for the subsurface soil (0 to 10 foot soil depth) for residents was 5E-05, which is higher than the target level of 1E-05 (Table 2-5). The major risk contributor to residential risk was the maximum TCDD TEQ for dioxin/furans which was greater than the cancer-based NMSSL for residential use. The CCR based on the maximum detected value for industrial workers was 1E-05 for surface soil. The CCR of 1E-06 was below the target value of 1E-05 for construction workers for subsurface soil.

The HI based on the maximum EPC for residents was 5 for subsurface soil (Table 2-5). The HI based on the maximum EPC for the construction worker was 2. Industrial worker HI estimates were 0.4, or less than 1 for surface soil. The major risk contributor to noncancer hazard was the maximum TCDD TEQ for dioxin/furans which was greater than the noncancer-based NMSSL for residential or construction worker use. These results indicate that refining the EPCs is the appropriate next step.

The evaluation of the dioxin/furans is summarized in Tables 2-6 through 2-7. The TEFs for human health are reported in Table 2-6. The measured concentration or the MDL is shown for each congener in each sample (Table 2-7). The detection status is indicated by a zero for nondetects, and a 1 for a detected value. The MDL is used as a proxy for the sample concentration in the event the congener was not detected. The congener-specific TEFs are multiplied by the congener concentration which produces the TECi for each congener. Summing the TECi yields the TEQ for each sample (Table 2-7). Dividing the TEQ for each sample by the NMSSL for 2,3,7,8 TCDD, shown in Table 2-1, produces a CR or noncancer HQ. The maximum TEQ is the highest TEQ of any of the dioxin/furan samples. The maximum TEQ for dioxin/furans exceeded risk-based screening-levels for residents (Table 2-5).

2.2.6. Results Based on Refined Exposure Point Concentrations

The initial risk analysis was based on comparison of the maximum detected value as the EPC. The refined EPCs based on the UCL95 are shown in Table 2-8. Appendix A presents the ProUCL output. A UCL was only calculated if there were 5 or more detected values, and a total sample size above 8 (NMED 2022). The higher of the duplicate pair SFB-23-295637 and SFB-23-295638 was retained, and the lower value dropped, which decreases sample size for each analyte measured in the duplicate pair by 1. The detected values were used for detected samples, and MDLs were used for nondetected values in calculation of the UCL95s.

Per information provided in the ProUCL Technical Guide (EPA 2013), when the data were identified as having a lognormal distribution, and ProUCL recommended an H-statistic, the standard deviation in log scale was used to choose between the 95% Bootstrap t UCL or the BCA Bootstrap UCL. The bootstrap t UCL is bias corrected and applicable to moderately to highly skewed data sets. If the data are only slightly or mildly skewed, the BCA Bootstrap would be preferred. Skewness was defined by information in Table 2-1 in the ProUCL Technical Guide as mild when the standard deviation of the logged data was less than 1, and highly skewed if over 1. Refined EPCs are reported in Table 2-8.

The CCR based on the refined EPC in subsurface soil and the NMSSL for residential use is 6E-06, and the HI is 0.6 (Table 2-9). The CCR for the construction workers for exposure to subsurface soil is 1E-07, and the HI is 0.4. The CCR for industrial worker receptors for exposure to surface soil is 9E-07. The HI is 0.04, which is below the target of 1.

The refined EPC for the TCDD TEQ for dioxin/furans does not exceed the human health cancer or noncancer NMSSLs for any receptor for surface or subsurface soils (Table 2-9).

2.2.7. Lead

Lead is evaluated separately from other inorganics. The maximum lead concentration was below the BV for both surface and subsurface soil. Lead is not a COPC at the Unit.

2.2.8. Nondetected Analytes

For organic analytes that were never detected, only one analyte had MDLs in excess of risk-based NMSSLs (Table 2-10). This was N-nitrosodimethylamine, for which the MDLs were consistently higher than the residential cancer NMSSL. Current commercial laboratory methodology cannot attain the toxicity-based reporting limits.

2.2.9. Migration to Groundwater

The maximum detected value or the maximum MDL (Tables 2-2 and 2-3), whichever was higher, of each analyte was used as the EPC and divided by the Migration to Groundwater NMSSLs for a dilution attenuation factor (DAF) of 20 (Table 2-1). Maximum concentrations of amino-2,6-dinitrotoluene[4-], amino-4,6-dinitrotoluene[2-], and RDX in surface soil, and barium, amino-2,6-dinitrotoluene[4-], amino-4,6-dinitrotoluene[2-], and RDX in subsurface soil produced HQs greater than 1 for migration to groundwater NMSSLs (Table 2-5).

The refined EPC based on UCL95 concentrations of amino-2,6-dinitrotoluene[4-], amino-4,6-dinitrotoluene[2-], and RDX also exceeded the migration to groundwater NMSSL based on a DAF of 20 (Table 2-9). The highest ratio was 100 for RDX in subsurface soil. The degradation products were slightly higher in subsurface soil than surface soil. There are so few detections of these two analytes that statistics are likely biased high. The NMSSLs for groundwater protection are risk based, and there are no drinking water standards for these explosives.

LANL has established a groundwater monitoring network to assess the quality of groundwater in the Los Alamos area. The monitoring network includes monitoring wells, water-supply wells, surface-water sampling stations, and springs located both inside and outside the LANL boundary. Three groundwater zones (alluvial, perched-intermediate, and regional groundwater) are monitored as part of the monitoring network. Sample locations, analytical suites, and sampling schedules for the monitoring network are identified in the LANL Interim Facility-Wide Groundwater Monitoring Plan (LANL 2020b) that is updated annually.

A hydrologic conceptual model for TA-16, including the area of the TA-16 Burn Ground, is presented in the TA-16 Well Network Evaluation and Recommendations (LANL 2012b). That document ranks different sources at TA-16 by their potential to impact groundwater. High- and moderate-ranking sources were characterized by significant hydrologic drivers, i.e., either large outfall volumes released to canyons or ponds located on mesa tops. Sources were also characterized in terms of the release of large inventories or high contaminant concentrations. Both of these conditions are necessary to consider an area to have a high or moderate impact to groundwater. The TA-16 Burn Ground area was ranked as a low-priority source for its potential to impact groundwater, because it lacks both a large contaminant inventory and a large volume of water to provide a hydrologic driving force for contaminant infiltration.

Water supply well PM-5, the nearest water-supply well to the TA-16 Burning Ground, is located approximately 16,000 ft. (3 miles) to the northeast. Water-supply well PM-4 is located approximately 19,000 ft. (3.6 miles) east of the TA-16 Burning Ground, and PM-2 is located approximately 21,000 ft. (4 miles) southeast of the unit. Upper levels of the regional aquifer on the Pajarito Plateau are predominantly under phreatic (unconfined) conditions (LANL 2011). The regional water table is approximately 1,200 ft. below the TA-16 Burn Ground.

Potential risk associated with the abovementioned contaminants was mitigated through soil removal, which greatly reduced the potential for the contaminants to migrate to the subsurface. Additionally, clean fill placed over the excavated area further reduces the potential for contaminants to migrate. The low rates of precipitation in the area coupled with high evapotranspiration rates provide additional lines of reason that these constituents will not reach groundwater.

2.3. UNCERTAINTY ANALYSIS

The human health risk assessment has inherent uncertainties associated with data and data evaluation, exposure assessment, and the toxicity values on which the SLs are based. Each or all of these uncertainties may affect the assessment results, biasing the risk assessment results high or low.

2.3.1. Reporting Limits in Excess of NMSSLs

The concern when reporting limits are higher than NMSSLs is that the analyte is potentially present below detection levels at concentrations that could produce risk. To conservatively assess risk and verify that elevated reporting limits were considered, the maximum screening step utilized the higher of the maximum detected value or the maximum MDL. Reporting limits were compiled into development of refined EPCs as well.

In general, project reporting limits were satisfactory. Only one nondetected analyte had reporting limits in excess of NMSSLs for residents or worker receptors (Table 2-10). This is N-nitrosodimethylamine, for which reporting limits were consistently higher than the residential cancer NMSSL. Although records from 1951 to 1980 are not available for the Unit, physicochemical data indicate that this analyte would not remain in the environment even if it existed at one time. ATSDR (1989) states that this compound will not persist as it evaporates from soil, degrades on exposure to sunlight, or migrates into the subsurface, where it should break down within several months in subsurface soils. Degradation of NDMA at 21°C had a half-life of 4.1 days for ground cover soil, 5.6 days for turfgrass soil, and 22.5 days for tree soil (Yang et al. 2005). These short half-lives indicate that under environmental conditions this analyte would not be expected to occur in the 40 years following absence of records (i.e., 146,000 days).

2.3.2. Exposure Assessment

The exposure assessment assumptions bias the risk results high (i.e., overestimate risk). Assumptions for the industrial SLs are that the potentially exposed individual is a Laboratory worker who is outside at the site for 8 h/d for 225 d/yr (NMED 2022), and who spends the entire 8 h on-site within the contaminated area. Assumptions for the residential SLs are that the potentially exposed individual is a resident who is present 24 h/d for 350 d/yr (NMED 2022) and spends the entire 24 h on-site within the contaminated area. Construction workers are considered to be short-term workers but exposed at high rates. Because it is unlikely the worker or resident would be within the small (i.e., 0.26 acre) contaminated area for any significant duration, the screening assessments overestimate the exposure.

Assumptions underlying the exposure parameters, routes of exposure, and intake rates for routes of exposure are consistent with NMED parameters and default values (NMED 2022). In the absence of site-specific data, several upper-bound values for the assumptions may be combined to estimate exposure for any one pathway, and the resulting risk estimate derived from combining upper-bound exposure parameters can exceed the 99th percentile of a true risk estimate. Therefore, uncertainties in the assumptions underlying the exposure pathways may contribute to risk assessments that overestimate the reasonably expected risk levels.

2.3.1. Data and Data Analysis

Uncertainties in the data or its analysis may include errors in sampling, laboratory analysis, and data analysis. Data evaluation uncertainties are expected to have little effect on the assessment results because the data have undergone validation to minimize errors, and any errors are not expected to bias the results high or low. The J-flagged (estimated) qualification of detected concentrations of some organic COPCs does not affect the assessment by biasing results high or low, but can introduce some additional uncertainty in the result.

The use of the maximum and UCL95 as the EPC for each COPC is expected to bias risk estimates high, erring towards being conservative. Use of the maximum as the EPC overestimates exposure, as all other concentrations are below this value. Use of the UCL95 also results in an overestimation of risk since mean values are nearly always less than this value for typical contaminant distributions.

2.3.2. Toxicity Values

An additional uncertainty associated with the screening values is related to the derivation of toxicity values used in their calculation. Toxicity values (slope factors [SFs] and reference doses [RfDs]) were used to derive the risk-based screening values used in the screening evaluation (NMED 2022). Uncertainties are recognized to occur in four areas with respect to the toxicity values: (1) extrapolation from animals to humans, (2) variability between individuals in the human population, (3) the derivation of RfDs and SFs, and (4) the chemical form of the COPC.

The SFs and RfDs are often determined by extrapolation from animal data to humans, which may result in uncertainties in toxicity values because differences exist between animals and humans in chemical absorption, metabolism, excretion, and toxic responses. Differences in body weight, surface area, and pharmacokinetic relationships between animals and humans are taken into account to address these uncertainties in the dose-response relationship. However, conservatism is usually incorporated in each of these steps, potentially biasing the estimate high and resulting in the overestimation of potential risk.

For noncarcinogenic effects, the degree of variability in human physical characteristics is important both in determining the risks that can be expected at low exposures and in defining the no observed adverse effect level (NOAEL). The NOAEL uncertainty factor approach incorporates a 10-fold factor to reflect

individual variability within the human population that can contribute to uncertainty in the risk assessment. This factor of 10 is generally considered to result in a conservative estimate of risk for noncarcinogenic COPCs.

The RfDs and SFs for different chemicals are derived from experiments conducted by different laboratories that may have different accuracy and precision that could lead to an over- or underestimation of risk. The uncertainty associated with the toxicity factors for noncarcinogens is measured by the uncertainty factor, the modifying factor, and the confidence level. For carcinogens, the weight of evidence (WOE) classification indicates the likelihood that a contaminant is a human carcinogen. EPA's WOE classification is not based on the level of risk a substance might present, but how good the evidence is regarding carcinogenicity to humans. This WOE helps interpret uncertainty in the results.

COPCs may be bound to the environmental matrix and not available for absorption into the human body following ingestion. However, the exposure scenarios typically default to the assumption that the COPCs are bioavailable. This assumption can lead to an overestimation of the total exposure and overestimate risk.

For some analytes surrogate values were used due to a lack of NMSSLs. Where possible, the USEPA RSLs (EPA 2023) were applied. It is not expected that use of surrogates will bias the results high or low. Primarily, surrogates were needed for nondetected analytes in order to verify MDLs were adequate.

2.3.3. Additive Approach

For noncarcinogens, the effects of exposure to multiple chemicals are generally unknown and possible interactions could be synergistic or antagonistic, resulting in either an overestimation or underestimation of the potential risk by assuming additivity. Additionally, RfDs used in the risk calculations typically are not based on the same endpoints with respect to severity, effects, or target organs. Therefore, the potential for noncarcinogenic effects may be overestimated by the HI considering individual COPCs act by different mechanisms and on different target organs but are addressed additively. Cancer risks are typically assumed to be additive.

2.4. CONCLUSIONS

Inorganics were compared to BVs and risk-based NMSSLs. Six inorganics exceeded BVs, and four of those exceeded background based on hypothesis testing. Nitrate (as nitrate or nitrate-nitrogen) and perchlorate had no BVs and were evaluated for potential health risk. No inorganics exceeded human health risk-based SLs. Soil samples were grouped by depth into surface (0 to 1 foot) and subsurface (0 to 10 foot) depth categories for evaluation. Lead is considered separately from other analytes, and lead was less than background and so was not evaluated for risk.

There were several organics detected, including some energetics and breakdown products, some SVOCs, and TPH DRO. Maximum concentrations of detected analytes in surface soil were below industrial worker NMSSLs. Maximum concentrations of the detected analytes in subsurface soils were below risk-based residential SLs for all constituents except the dioxin/furan TCDD TEQ. Maximum concentrations were below construction worker NMSSLs in subsurface soils.

When refined EPCs were considered, no constituents were above target levels for cancer risk or noncancer hazard for any receptor. The CCR based on refined EPCs for surface soils for industrial workers was 9E-07, and the HI was 0.04. The CCR based on refined EPCs for subsurface soils was 6E-06, and the HI was 0.6, for residents. The CCR and HI were below target levels for construction workers at 1E-07 and 0.4, respectively.

Migration to groundwater NMSSLs were exceeded by amino-2,6-dinitrotoluene[4-], amino-4,6-dinitrotoluene[2-], and RDX refined EPCs in both surface and subsurface soils. A hydrologic conceptual model for TA-16, including the area of the TA-16 Burn Ground, is presented in the TA-16 Well Network Evaluation and Recommendations (LANL 2012b). That document ranks different sources at TA-16 by their potential to impact groundwater. High- and moderate-ranking sources were characterized by significant hydrologic drivers, i.e., either large outfall volumes released to canyons or ponds located on mesa tops. Sources were also characterized in terms of the release of large inventories or high contaminant concentrations. Both of these conditions are necessary to consider an area to have a high or moderate impact to groundwater. The TA-16 Burn Ground area was ranked as a low-priority source for its potential to impact groundwater, because it lacks both a large contaminant inventory and a large volume of water to provide a hydrologic driving force for contaminant infiltration.

Note that land use in the foreseeable future is not residential. Groundwater at the facility is monitored in accordance with the LANL Interim Facility-Wide Groundwater Monitoring Plan and the TA-16 Burn Ground site is ranked as a low-priority source for its potential to impact groundwater. Additional clean-up (e.g., soil removal) at the Unit is not recommended.

Further evaluation of this Unit on the basis of human health risk assessment is not warranted.

3. ECOLOGICAL SCREENING ASSESSMENT

3.1. INTRODUCTION

The ecological risk-screening assessments for the Unit is presented in the following sections. The ecological risk-screening evaluation identifies chemicals of potential ecological concern (COPECs) and is based on the comparison of EPCs with ecological screening levels (ESLs) in accordance with Laboratory (LANL 2018) and NMED (2018) guidance. Data for both surface and subsurface soil depths were combined for the ecological risk-screening assessment, because all data fall within a 0 to 1.25 foot interval. Although NMED guidance (2018) recommends two soil horizons be evaluated, the samples collected all represent the interval for non-burrowing receptor and shallow rooted plants (0 to 1.25 foot interval). There is not a deeper soil interval at the Unit to be evaluated because the subsurface samples were collected from as close to the tuff-soil surface as possible.

The ESLs obtained from the ECORISK Database, Version 4.3 (LANL 2022), updated September 19, 2022, are presented in Table 3-1. The ESLs are based on toxicity data for Laboratory species similar to those expected to occur at the site, and are derived from experimentally determined no observed adverse effect levels (NOAELs), lowest observed adverse effect levels (LOAELs), or doses determined to be lethal to 50% of the test population (LD50). Information relevant to the calculation of ESLs, including concentration equations, dose equations, bioconcentration factors, transfer factors, and toxicity reference values, are presented in the ECORISK Database, Versions 2.0, 3.1, 4.1, and 4.2 (LANL 2003; LANL 2012a; LANL 2017, LANL 2020a).

The initial screening evaluation is conducted by dividing the maximum EPCs by the no adverse effect level ESLs (NE ESLs) to obtain a HQ calculated for each COPEC and screening receptor. As a generalization, the higher the contaminant levels relative to the ESLs, the higher the potential risk to receptors; conversely, the higher the ESLs relative to the contaminant levels, the lower the potential risk to receptors. HQs greater than 0.1 in the initial screening level evaluation are used to identify COPECs requiring additional evaluation (DOE NMED 2017).

Individual HQs for a receptor are summed to derive a HI. An HI greater than 1 indicates that further assessment may be needed to ensure exposure to multiple COPECs at a site will not lead to potential adverse impacts to a given receptor population. The HQ and HI analysis is a conservative indication of potential adverse effects and is designed to minimize the potential of overlooking possible COPECs at the site. UCL95 values are used to refine the EPCs, which are then compared to the ESL based on the lower observed adverse effect level (LE ESL). The analysis is then concluded with evaluation using area use factors (AUF).

3.2. PROBLEM FORMULATION

The Unit is a terrestrial ecosystem. The area within the fence is disturbed with little to no vegetation present adjacent to the burn tray. Vegetation increases with distance from the burn tray and consists of grasses and shrubs. The site slopes slightly to the south - southwest. There are likely terrestrial birds and small mammals including deer mice and ground squirrels using the area. Elk tracks and scat were observed during a site visit March 2019; however, there is not enough vegetation within the fenced area to support large herbivores. They prefer the ponderosa pine forest around the unit.

Due to the site history, there is the potential for energetic compounds or their breakdown products to be present in surface soils. Terrestrial animals and plants may contact surface soils and be exposed. The total area where all of the samples collected is approximately 2 acres, which is equivalent to 0.8094 ha. The area within the SWMU boundary is 0.64 ac (0.26 ha). The larger 0.8094 ha was used to evaluate potential ecological risks.

Soil is the only potential abiotic exposure medium at the Unit. Soil ingestion is the primary exposure route (Figure 3-1). Dietary ingestion by higher trophic level animals of plants and animals exposed to soil may also occur.

Due to lack of its preferred riparian habitat and lack of dense cover, the montane shrew is not expected to occur in the Unit. It is retained only because it may be representative of other mammalian insectivores. Other receptors that are expected to occur based on available habitat are shown in the conceptual site model (Figure 3-1).

3.3. SCREENING EVALUATION

Ecological risk for soils is evaluated by NMED for soils in the 0 to 6 foot depth interval. This corresponds to the subsurface soils evaluated for human health risk since all existing data were collected from less than 6 feet deep. The summary statistics for the subsurface soil sample data collected from 0 to 1.25 feet deep were presented in Table 2-3. The NE ESLs are presented for each receptor in Table 3-1. Maximum detected concentrations of each analyte are used as the initial EPC, and are divided by the NE ESL to derive a HQ for each detected analyte and inorganic statistically greater than background. The EPCs and the screening results are presented in Table 3-2.

Any analytes for which the measured maximum detected value exceeded the ESLs with an HQ of 0.1 or more were considered COPECs and evaluated further by calculating refined EPCs based on UCL95s. ESLs are lacking for many of the organics on the target analyte list.

Surrogates were proposed for the detected organics and inorganics above background or without BVs for which no ESLs were available. There remain analytes for which ESLs are lacking for birds, and sometimes invertebrates or plants. In general, ESLs were available for mammals. The analytes lacking any ESLs and the applied surrogates are as follows:

- Nitrate – No values in LANL database. Addressed in Uncertainty Analysis
- Perfluoropentanoic acid – addressed in uncertainty analysis.
- TATB - Use 1,3,5-Trinitrobenzene ESLs
- Isopropyltoluene[4-] - Use toluene ESLs

3.3.1. Inorganics

There are six inorganic analytes in the subsurface soil dataset that exceed site BVs, four of which are statistically significantly elevated above background (barium, selenium, silver, and zinc). Because there was no soil silver background data, the upper and lower tuff background dataset was applied to evaluate silver. Cadmium and copper were not statistically elevated above background. In additionthree inorganics are carried forward for which BVs were not available. These are nitrate, nitrate as nitrogen, and perchlorate. The inorganics that carry forward for further evaluation are as follows:

- Barium – greater than BV; greater than soil background by hypothesis testing
- Cadmium – greater than BV; less than or equal to soil background by hypothesis testing
- Copper – greater than BV; less than soil background by hypothesis testing.
- Nitrate; Nitrate as Nitrogen (No BV), retain for evaluation
- Perchlorate (No BV), retain for evaluation
- Selenium – greater than BV; greater than soil background by hypothesis testing.
- Silver – greater than BV; greater than background for upper and lower tuff in hypothesis testing.
- Zinc – greater than BV; greater than soil background by hypothesis testing.

The inorganic analytes that were above background have maximum concentrations that also exceed ecological NE ESLs as follows (Table 3-2):

- Barium
- Selenium
- Silver
- Zinc

Perchlorate maximum concentrations were below all ESLs. There were no ESLs for the nitrates and they cannot be evaluated further.

If an inorganic analyte maximum exceeded the BV, and the ratio of the maximum concentration to the risk-based NE ESL was greater than 0.1, a refined EPC based on the UCL95 was calculated with the USEPA ProUCL 5.2.0 software (EPA 2022). This refined EPC based on the UCL95 (Table 2-8) was then compared to the LE ESLs found in Table 3-3. Table 3-4 presents the HQs and HIs based on refined EPCs and LE ESLs.

The UCL95 values for barium, selenium, and zinc exceeded one or more of the receptor-specific LE ESLs to result in an HQ greater than 0.1 (Table 3-4). HQs for the American kestrel modeled as a top carnivore and the gray fox also modeled as a carnivore were consistently less than or equal to 0.1 for inorganics. HQs based on the refined EPC and LE ESLs for robin in different feeding guilds, deer mouse, earthworms, and plants exceeded 0.1 for barium. HQs for most mammalian and avian receptors and plants exceeded 0.1 for selenium, and HQs for robin modeled as insectivore and omnivore exceeded 0.1 for zinc. This suggests some limited potential for adverse ecological effects at the Unit due to exposure to

inorganics above background, however additional lines of evidence are considered in the following sections.

3.3.2. Dioxin and Furans

Dioxins and furans are evaluated in a multi-step process that takes the concentration of each congener and multiplies it by a TEF (Table 3-5) for mammals or birds. The resulting TECi values are summed to obtain a TEQ (Table 3-6 and Table 3-7). The maximum 2,3,7,8-tetrachlorodibenzodioxin (TCDD) TEQ for mammals is compared to the NE ESLs (Table 3-8) by dividing the TCDD TEQ by the NE ESL to obtain an HQ. There is no NE ESL for avian species and potential toxicity cannot be quantified further. The HQ values were above an initial screening HQ of 0.1. TEFs were not available for invertebrates or plants, and it is assumed that mammalian TEQs are protective of exposure to invertebrates, and the TEQ was divided by the NE ESL for earthworms to obtain an HQ for invertebrates. It is assumed that mammalian HQs are reflective of potential toxicity to birds and plants. The most recent LANL database does not report ESLs for any avian species or plants. TEQs for birds are provided as a qualitative comparison to mammalian TEQs. The maximum TEQ for avian species (1.87E-04) is less than the maximum mammalian TEQ (2.17E-04), suggesting potential toxicity to birds is not higher than mammals.

A UCL95 TEQ based on the sample-specific TEQs was calculated for mammals with ProUCL (EPA 2022). When the UCL95 TEQ was divided by the receptor-specific LE ESLs for TCDD for mammals, the resulting ratios or HQs exceeded 0.1 only for deer mouse and montane shrew (Table 3-4). This analysis suggests that there may be toxicity to ecological receptors due to exposure to dioxins/furans. The dioxin/furans are further evaluated in the uncertainty analysis.

3.3.3. Other Organics

Maximum concentrations of nine other organics produced HQs greater than 0.1. These wereacenaphthene, benzoic acid, bis(2-ethylhexyl)phthalate, di-n-butylphthalate, HMX, RDX, TATB, TPH DRO, and 2,4,6-TNT.

UCL95 values (Table 2-8), were calculated for organics and compared to the LE ESLs (Table 3-4). The SVOCs were infrequently detected with only one or two detected values. The maximum was used as the EPC for analytes with one detected value, whereas a median of the detected concentrations was calculated and used as the estimate of the refined EPC if there were two to four detected values (Table 2-8). This approach is consistent with ProUCL guidance (EPA 2022) which recommends use of alternative statistics when detection frequency is low. The highest value of the duplicate pair was retained for calculating UCL95s.

HQs for bis(2-ethylhexyl)phthalate and RDX, based on refined EPC values and the LE ESLs, were above 0.1 for one or more receptor groups (Table 3-4). The remaining HQs were less than or equal to 0.1.

3.3.4. Hazard Indices

The HIs based on refined EPCs and LE ESLs for summation of inorganic, dioxin/furan, and other organic HQs for all receptors except the American kestrel as a top carnivore and gray fox exceeded 1 (Table 3-4). This analysis suggests that there may be toxicity to ecological receptors due to exposure to within the Unit. The COPECs with HQs greater than 0.1 are further evaluated in the uncertainty analysis.

3.4. UNCERTAINTY ANALYSIS

3.4.1. Chemical Form

Inorganic analytes can speciate into different forms with varying degrees of toxicity. The assumptions used in the ESL derivations are conservative and not necessarily representative of actual conditions. These assumptions include maximum chemical bioavailability, maximum receptor ingestion rates, minimum bodyweight, and additive effects of multiple COPECs. These factors tend to result in conservative ESL estimates, which may lead to an overestimation of the potential risk. Toxicological data are typically based on the most toxic and bioavailable chemical species, which may or may not be found in the environment. The ESLs were calculated to ensure a conservative indication of potential risk (LANL 2018), and the values are biased toward overestimating the potential risk to receptors.

The chemical form of the individual COPECs was not determined as part of the investigation. COPECs are generally not 100% bioavailable to receptors in the natural environment because of interference from other natural processes, such as the adsorption of chemical constituents to matrix surfaces (e.g., soil) or rapid oxidation or reduction changes that render harmful chemical forms unavailable to biotic processes.

3.4.2. Exposure

Exposure parameters including the EPC and the intakes likely bias risk estimates high because they presume no movement of receptors in and out of source areas. Sampling focused on areas of known or expected contamination, which biases the EPC high. Receptors are assumed to spend 100% of their time in the contaminated area which results in conservative estimates of exposure.

3.4.3. Mixture Toxicity

The assumption of additive effects for multiple COPECs may result in an over- or under-estimation of the potential risk to receptors. Exposure to multiple contaminants may result in other than additive effects.

3.4.4. Small-Mammal Field Investigations

Small mammal trapping and analysis of whole organisms were conducted in the area near the Unit in 2011 and 2012. This information was considered useful for the current analysis. Field mice and voles were collected around the open-burn site and analyzed for dioxins and furans as well as metals in 2011 and for polychlorinated biphenyls (PCBs), high explosives, and perchlorate in 2012. Small-mammal community and population parameters were also measured across the site in 2012 (Fresquez et al. 2013).

Barium, cadmium, and nickel were detected in two to three whole body samples, and lead was detected in one whole body sample, above the regional statistical reference levels (RSRLs), which are the upper bounds of concentrations (mean plus three standard deviations) calculated from field mice collected at regional locations over nine miles away from the influence of the Laboratory (Fresquez 2009 and 2011a). The cadmium, nickel, and lead concentrations were slightly above the RSRLs, while barium concentrations were three to four times the RSRL. No high explosives were detected in any of the animals collected, and perchlorate concentrations were one or two orders of magnitude below the RSRL.

Dioxin and furan congeners were not detected above the detection limit in any of the whole-body samples analyzed; eight congeners were detected in one deer mouse sample, one congener was detected in one long-tailed vole sample, and no congeners were detected in the other four small mammals (three voles and one deer mouse) (Fresquez et al. 2013). Concentrations in whole body samples were well below the concentrations detected in the soil, and biological samples had fewer congeners detected than in 40% of the soil samples, and concentrations were below the deer mouse ESL for TCDD in LANL (2012). The dioxin and furan data are similar to other dioxin/furan field-mouse uptake studies at LANL (Fresquez 2011b) and nationally (Krouskop et al. 1991).

The data indicate dioxins and furans at the concentrations found in soil under natural field conditions are not significantly assimilated, either by ingestion and/or by surface contact, by field mice/voles possibly because of the adsorption of the chemical to soil surfaces or because of oxidation/reduction changes. In addition, the samples analyzed included the pelt and carcass so it is not clear whether the congeners detected represent uptake or adherence of soil particles to the pelt. Also, no adverse effect of burning ground operations was found on local small mammal populations based on species richness, capture rate, species diversity, sex ratios and adult body weights (Fresquez et al. 2013).

The presence of dioxins and furans in soil does not determine exposure and risk to receptors. Dioxins and furans are relatively unavailable for uptake by plants and animals because these compounds are tightly bound to soil particles, are immobile, and insoluble (Umbreit et al. 1986). EPA reported that the relative bioavailability of polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofuran congeners in soil is less than 100% as compared with a lipid or organic solvent vehicle as the reference material (EPA 2010a). Abiotic constituents, compound aging, and other associated soil factors may influence soil bioavailability (e.g., bioavailability appears to decrease with aging based on comparisons of laboratory spiked soil and soil contaminated in situ [Umbreit et al. 1986]). This relationship is supported by the lack of uptake and impacts to biota around the Laboratory and at the TA-16 Burn Ground where dioxin and furan congeners have been detected. The difference between the toxicity represented by the ESLs and the lack of adverse effects may be related to the low bioavailability of dioxins and furans in soil.

Small mammal populations in the area show no evidence of significant elevated exposure. There do not appear to be population-related impacts based on the above analysis.

3.4.5. Avian Field Investigations

A total of four avian egg samples were obtained in 2018 from TA-16 and analyzed for inorganic elements (Gaukler and Stanek 2019). Two samples consisted of one western bluebird (*Sialia mexicana*) egg each. There was one composite sample of four western bluebird eggs, and one composite sample of two ash-throated flycatcher (*Myiarchus cinerascens*) eggs.

Concentrations of inorganic elements were compared with the upper-level bounds of background concentrations in bird eggs. The data indicated aluminum, arsenic, beryllium, cadmium, lead, nickel, thallium or vanadium were not detected in eggs. One sample contained higher concentrations of antimony (0.21 mg/kg) compared with background (0.11 mg/kg). Two samples contained higher concentrations of mercury (0.23 and 0.25 mg/kg) compared to background (0.18 mg/kg). Soil concentrations of antimony and mercury are below soil BVs at the Unit. Of the inorganics above soil background, barium, selenium, silver, and zinc concentrations in eggs from TA-16 were similar to or below regional egg background levels (Gaukler and Stanek 2019).

Avian population metrics also do not suggest that birds in the vicinity of TA-16 399 are being negatively impacted (Hathcock et al 2018). Metrics including species richness and diversity were not statistically different from the Unit than at the control area. Abundance varied in the Unit and control area annually, but abundance in the Unit compared to controls were similar over time. Species composition indicates little difference between the Unit and control sites.

Combined, the egg concentration data and population metrics suggest that adverse health effects are not expected at the observed concentrations.

3.4.6. Detection Frequency and Areal Extent of Concentrations Greater than Screening Levels

The detection frequency and spatial pattern of the COPECs that have HQs above 0.1 based on the LE ESL is considered. Barium, selenium, and zinc are the inorganics for which the refined EPC based on a UCL95 exceeded the LE ESL. Bis(2-ethylhexyl)phthalate, RDX, and dioxin/furansare the only organics for which the refined EPC based on the UCL95 exceeds LE ESLs.

Barium was detected in all samples collected. The barium UCL95 is 14 times higher than background values of 295 mg/kg. Thirty-eight of 52 samples, not counting the minimum of the duplicate pair removed for statistical analysis, exceeded the BV. The minimum barium ESL is based on potential toxicity to plants; however, no toxicity to plants was noted in the field visit (i.e., chlorosis, dead plants). EPA (2005) indicates barium background concentrations in the Western US range from about 350 mg/kg to about 1100 mg/kg. Sources of toxicity information for plants suggest that it takes concentrations of barium in soils above 2000 mg/kg to cause toxicity (Chaudhry et al. 1977). Eight of 52 samples exceeded this potentially toxic level of 2000 mg/kg for plants, and 40 of 52 exceeded the LE ESL of 260 mg/kg for plants. This analysis suggests that there may be some limited toxicity to plant populations at the site due to barium. The refined barium EPC of 1363 mg/kg is less than the LANL Preliminary Remedial Goal (EcoPRG) for barium for plants of 1400 mg/kg.

Selenium was detected in 37 of 52 samples. Four of 52, not counting the minimum of the duplicate pair removed for statistical analysis, samples were above the BV of 1.52 mg/kg. The UCL95 of 0.883 mg/kg was less than the BV, suggesting that exposure across the Unit will not exceed inherent background. The refined EPC of 0.883 mg/kg is less than the minimum LANL EcoPRG for selenium of 15 mg/kg, which is based on earthworms.

Zinc was detected in all 42 samples. Of these, 14 of 42 samples, not counting the minimum of the duplicate pair removed for statistical analysis, exceeded background values of 48.8 mg/kg. The UCL95 of 62.98 mg/kg was 1.3 times higher than background, suggesting exposure across the Unit is approximately equal to inherent background. The refined EPC of 62.98 mg/kg is less than the minimum LANL EcoPRG for zinc of 810 mg/kg, which is based on earthworms.

Bis(2-ethylhexyl)phthalate was detected in 23 of 37 samples, not counting the minimum of the duplicate pair removed for statistical analysis. The American robin modeled as an insectivore was the most sensitive receptor for which the LE ESL was 0.2 mg/kg. Four samples (SFB-23-295631, SFB-23-295632, SFB-23-295634, and SFB-23-295637) exceeded the LE ESL for the robin modeled as an insectivore, but no samples produced HQs above 1 for other avian or the mammalian receptors based on the LE ESLs. This low frequency of exceeding the LE ESL indicates this compound is not likely to produce elevated exposure to any receptor. The refined EPC of 0.483 mg/kg is less than the minimum LANL EcoPRG for selenium of 8.7 mg/kg, which is based on the robin modeled as an insectivore.

RDX was detected in 17 of 42 samples, not counting the minimum of the duplicate pair removed for statistical analysis. The robin (herbivore) was the most sensitive ecological receptor with an LE ESL of 4.5 mg/kg. Ten out of 42 samples exceeded the LE ESL for the robin to produce HQs greater than 1. This relatively infrequent occurrence of soil concentrations above the LE ESL suggests some minimal potential for toxicity. The refined EPC of 7.46 mg/kg is less than the minimum LANL EcoPRG for selenium of 15 mg/kg, which is based on the earthworm.

One or more dioxin/furan congeners were detected in each of the 52 samples collected, not counting the minimum of the duplicate pair removed for statistical analysis. Thirty-nine of the 52 TEQs exceeded the lowest mammalian TCDD LE ESL, which is 1.90E-06 mg/kg for the montane shrew. The UCL95 TEQ of 1.88E-05 mg/kg compared to the receptor-specific LE ESLs produced HQs above 1 for deer mouse (HQ of 5) and montane shrew (HQ of 10). The TEQs are considered biased high since the MDL was used as a proxy for non-detected congeners, when in fact congener concentrations by definition are below this

level. Since at least one if not more congeners were not detected in each sample, this biases the TEQ high. The refined EPC of 1.88E-05 mg/kg is less than the minimum LANL EcoPRG of 3.2E-05 mg/kg for the montane shrew.

The results of evaluating the data against BVs and by considering spatially averaged refined EPCs were evaluated The inorganics barium, selenium, and zinc, and the organics bis(2-ethylhexyl)phthalate, dioxin/furans, and RDX, are frequently detected. None of these six COPECs exceeded their respective EcoPRGs.

3.4.7. Detected Analytes Without ESLs

Several chemicals do not have ESLs for any receptor in release 4.3 of the ECORISK Database (LANL 2022). In the absence of a chemical-specific ESL, concentrations were compared with the ESLs for a surrogate chemical if available. Comparison to surrogate ESLs provides an estimate of potential effects of a similar related compound and a line of evidence to indicate the likelihood that ecological receptors are potentially impacted. Surrogates increase uncertainty, but are not expected to bias the risk results low or high.

Some chemicals without ESLs do not have chemical-specific toxicity data or surrogate chemicals to be used in the screening assessments and cannot be assessed quantitatively for potential ecological risk. These are nitrate, nitrate as nitrogen, and perfluoropentanoic acid.

Chemicals lacking ESLs are often infrequently detected across the site. In these cases, comparisons with human health SSLs are presented as part of a qualitative assessment. The comparison of concentrations to human health SSLs is a viable alternative for several reasons. Animal studies are used to infer effects on humans and are the basic premise of modern toxicology (EPA 1989). In addition, toxicity values derived for the calculation of human health SLs are often based on potential effects that are more sensitive than the ones used to derive ESLs (e.g., cellular effects for humans versus survival or reproductive effects for terrestrial animals). EPA also applies uncertainty factors or modifying factors to ensure the toxicity values are protective (i.e., they are adjusted by uncertainty factors to values much lower than the study results). Concentrations compared with these values are frequently an order of magnitude or more below the SLs, which corresponds to uncertainty factors of 10 or more. Therefore, it is assumed the differences in toxicity would not be more than an order of magnitude for any given chemical. The relative difference between values provides a weight of evidence that the potential toxicity of the chemical is likely to be low or very low to the receptor(s).

The nitrates and nitrates as nitrogen did not produce any elevated human health risk to receptors evaluated for contact with subsurface soil, which are residents or construction workers. There are no human health toxicity values for perfluoropentanoic acid, but cancer risk and noncancer hazard were below threshold levels for predicted toxicity for all other perfluoro- and polyfluoroalkyl substances (PFAS) compounds evaluated in the human health risk assessment.

3.4.8. Data and Area Use Factors

The Unit is small. The area within the SWMU boundary is 0.64 ac (0.26 ha). The total area where all of the samples were collected is approximately 2 acres or 0.8094 ha, which is the value used in the ecological risk assessment.

The home range (HR) is used to calculate area use factors (AUFs) that are used in the EcoPRG equations (LANL 2018). Individual AUFs and population area use factors (PAUFs) may be used to modify the estimate of risk to wildlife receptors to allow estimates to be more site-specific. The application of AUFs

or PAUFs reduces potential overestimation of risks for those receptors with HRs larger than the area of contamination being evaluated. The estimated ecological risk as indicated by the HQ or HI is multiplied by the AUF or PAUF. HQs for plants or invertebrates are not adjusted by area use. The habitat is not suitable for Mexican Spotted Owls or other special status species, and so an AUF evaluation was not conducted.

Table 3-8 and 3-9 presents the area use hazard analysis based on NE ESLs and LE ESLs, respectively. The area used in the calculations was 2 ac.

The NE ESLs and the LE ESLs for each COPEC that exceeded background and was detected are shown in Tables 3-1 and 3-3, respectively. The site specific PAUFs are shown for the area where samples were collected (i.e., 2 ac). The UCL95 or refined EPCs (Table 2-8; Appendix A) are divided by the species-specific NE (Table 3-1) or LE ESLs (Table 3-3), and multiplied by the species-specific PAUF to obtain revised HQs (Tables 3-8 and 3-9). It is noted that this analysis does not impact the HQs for invertebrates or plants because they are considered to not move significantly within their environment, and therefore the PAUF for these receptors is 1.

Several COPECs produce NE ESL HQs above 0.1 for one or more receptors (Table 3-8). These are:

- barium for deer mouse, plants and earthworms;
- selenium for deer mouse, earthworm, and plants;
- zinc for earthworm and plants;
- bis(2-ethylhexyl)phthalate for robin modeled as omnivore and insectivore;
- RDX for robin modeled as herbivore and omnivore, and earthworm;
- TATB for earthworm;
- TCDD for deer mouse and shrew;
- TPH DRO for plants.

Several COPECs produce LE ESL HQs above 0.1 for one or more receptors. These are:

- barium for plants and earthworms;
- selenium for deer mouse and plants;
- RDX for earthworm;
- TCDD for deer mouse and shrew.

The HIs are above 1 for deer mouse (HI = 2), and plants (HI = 6). TCDD TEQ is the primary risk driver for deer mouse with an HQ of 1. Barium is the major risk driver for plants with an HQ of 5.

3.4.9. Comparison to Preliminary Remedial Goals

All COPECs producing LE ESL HQs adjusted to reflect area use (Section 3.4.8) are below LANL PRGs (Table 3-10). The refined EPC was compared to the preliminary remedial goals (PRGs). This comparison indicates:

- Barium – the lowest PRG is for plants and is 1400 mg/kg. The barium refined EPC is only slightly higher than this at 1363 mg/kg.
- Selenium – the lowest PRG is 15 mg/kg for plants. The refined EPC is 0.883 mg/kg.
- RDX – the lowest PRG is 15 mg/kg for earthworms. The RDX refined EPC is 7.46 mg/kg.

- TCDD – the lowest dioxin/furan PRG is 3.2E-05 mg/kg. The refined EPC for the TCDD TEQ is less than this at 1.88E-05 mg/kg. TCDD is less than the PRG.

3.5. CONCLUSIONS

Barium, selenium, and zinc were the inorganics for which the UCL95 exceeded both background and the LE ESL to produce HQs above 0.1. Further evaluation with the PAUFs indicated that barium exceeded the LE ESL for plants and earthworms, and selenium exceeded the LE ESL for deer mouse and plants. No visual effects were noted on the plant community within the Unit. No effects have been observed in birds or small mammals. Inorganics were less than the LANL PRGs.

The refined EPC based on the UCL95 for TCDD TEQ exceeded the LE ESLs to produce HQs above 0.1 for the deer mouse and montane shrew. Birds cannot be quantitatively addressed due to the absence of ESLs. It is assumed that the evaluation for mammals is protective of avian species. The TCDD TEQ refined EPC is less than the PRG and further remediation for TCDD is not recommended.

Bis(2-ethylhexyl)phthalate and RDX are the only other organics for which the refined EPC based on the UCL95 compared to the LE ESLs produced HQs above 0.1. Further evaluation with the PAUFs indicated that of these two organics, only RDX exceeded LE ESLs and this was for earthworms. The refined EPC for RDX was less than the PRG.

The small mammal tissue study indicated little uptake of dioxins/furans by small mammals at TA-16 as a whole, as well as little effect on mammal populations. For avian species, eggs analyzed for inorganics had antimony and mercury concentrations above egg background values, but mercury concentrations were below known toxic levels. Antimony and mercury are below background at the Unit. Population metrics for birds were not statistically significantly different from controls.

NMED guidance (2018) indicates that ecological risk assessments require inquiries into the relationship between an assessed endpoint and the expected response when exposed to site contamination. While comparison to literature published values show a potential for elevated risk to plant receptors potentially in the area, studies conducted in the area show no adverse population effects to small mammals or birds in the area. Additionally, when thinking of the near and foreseeable future use for the site, vegetation in the area will be kept to a minimum, as it is located in the general area of an operating Unit. There is not a likely species impact to representative receptors. Because biological data from the area indicate no adverse effects, and because HQs and HIs, while exceeding targets of 0.1 and 1, respectively, are relatively low, the Unit does not appear to present a significant ecological risk. Refined EPCs are less than PRGs. Additional effort at this Unit is not recommended.

4. REFERENCES

Agency for Toxic Substances Disease Registry (ATSDR). 1989. Public Health Statement for n-Nitrosodimethylamine. December 1989. https://www.atsdr.cdc.gov/PHS/PHS.asp?id=882&tid=173

Agency for Toxic Substances Disease Registry (ATSDR). 1997. Toxicological Profile For Hexachloroethane. September 1997. https://www.atsdr.cdc.gov/toxprofiles/tp97.pdf

Agency for Toxic Substances Disease Registry (ATSDR). 2017. Toxicological Profile for Bis(2-Chlorethyl)Ether (BCEE). October 2017. 98 pp.

Chaudhry, F., Wallace, A., and R.T. Mueller. 1977. Communications in Soil Science and Plant Analysis. Vol 8:795-797.

DOE-LANL. 2017. NMED DRAFT Meeting Minutes Upper Sandia Canyon and Three Mile Canyon Supplemental Investigation Reports Technical Meeting. February 14, 2017- NMED-HWB Office.

Environment Canada. 2009. Dinitro-O-Cresol Final Screening Assessment. https://www.canada.ca/en/environment-climate-change/services/canadian-environmental-protection-act-registry/publications/dinitro-o-cresol-final-content.html#toc3.

EPA (U.S. Environmental Protection Agency), December 1989. "Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part A), Interim Final," EPA/540/1-89/002, Office of Emergency and Remedial Response, Washington, D.C. (EPA 1989)

EPA (U.S. Environmental Protection Agency), 1993. "Wildlife Exposure Factors Handbook," U.S. Environmental Protection Agency document EPA/600/P93/187A, Office of Research and Development, Washington, D.C.

EPA (U.S. Environmental Protection Agency), June 5, 1997. "Ecological Risk Assessment Guidance for Superfund: Process for Designing and Conducting Ecological Risk Assessments, Interim Final," U.S. Environmental Protection Agency, Environmental Response Team, Edison NJ.

EPA (U.S. Environmental Protection Agency), November 2003. "Guidance for Developing Ecological Soil Screening Levels, Evaluation of Dermal Contact and Inhalation Exposure Pathways for the Purpose of Setting Eco-SSLs, Attachment 1-3, U.S. Environmental Protection Agency document OSWER Directive 92857-55, Office of Solid Waste and Emergency Response.

EPA (U.S. Environmental Protection Agency), February 2005. "Ecological Soil Screening Levels for Barium". Interim Final OSWER Directive 9285.7- 63. U.S. Environmental Protection Agency Office of Solid Waste and Emergency Response.

EPA (U.S. Environmental Protection Agency), January 2008. Drinking Water Health Advisory for 2,4-Dinitrotoluene and 2,6-Dinitrotoluene. Health and Ecological Criteria Division Office of Science and Technology Office of Water.

EPA (U.S. Environmental Protection Agency), December 2010a. "Final Report Bioavailability of Dioxins and Dioxin-Like Compounds in Soil," Office of Superfund Remediation and Technology Innovation, Environmental Response Team, West Las Vegas, Nevada (http://epa.gov/superfund/health/contaminants/dioxin/pdfs/Final_dioxin_RBA_Report_12_20_10.pdf).

EPA (U.S. Environmental Protection Agency), December 2010b. "Recommended Toxicity Equivalence Factors (TEFs) for Human Health Risk Assessments of 2,3,7,8=Tetrachloro-p-dioxin and Dioxin-Like Compounds." EPA/100/R 10/005.

EPA (U.S. Environmental Protection Agency), October 2022. "ProUCL Version 5.2.0 User Guide. Statistical Software for Environmental Applications for Data Sets with and without Nondetect Observations." Version 04-08-22.

EPA (U.S. Environmental Protection Agency), October 2013. "ProUCL Version 5.0.0 Technical Guide. Statistical Software for Environmental Applications for Data Sets with and without Nondetect Observations." EPA/600/R-07/041. ORD Site Characterization and Monitoring Technical Support Center.

EPA (U.S. Environmental Protection Agency). 2023. Regional Screening Levels. November 2023. https://www.epa.gov/risk/regional-screening-levels-rsls

European Chemicals Agency (ECHA). 2021. 1,2,3-Trichloropropane. Endpoint Summary. https://echa.europa.eu/registration-dossier/-/registered-dossier/14307/5/3/1

Fresquez, P.R., 2009. "The Concentration of Radionuclides, Heavy Metals, and Polychlorinated Biphenyls in Field Mice collected from Regional Background Areas" Los Alamos National Laboratory document LA-UR-09-07580, Los Alamos, New Mexico.

Fresquez, P.R., 2011a. "Chemical Concentrations in Field Mice Collected from Open-Detonation Firing Sites TA-36 Minie and TA-39 Point 6 at Los Alamos National Laboratory," Los Alamos National Laboratory document LA-UR-11-10614, Los Alamos, New Mexico.

Fresquez, P.R., 2011b. "The Concentration of Radionuclides, Heavy Metals, and Polychlorinated Biphenyls in Field Mice collected from Regional Background Areas: Revision 1" Los Alamos National Laboratory document LA-UR-11-11687, Los Alamos, New Mexico.

Fresquez, P.R., L. Hansen, and C. Hathcock, 2013. "Chemical Concentrations in Field Mice/Voles Collected from an Open-Burn Site at Technical Area 16 at Los Alamos National Laboratory, Revision 1," Los Alamos National Laboratory document LA-UR-13-200040, Los Alamos, New Mexico.

Gaukler, S. and J Stanek. 2019. " Inorganic Element Concentrations in Passerine Eggs Collected at Technical Areas 36, 39, and 16 at Los Alamos National Laboratory". LA-UR-19-25647. June 2019.

Guidechem. 2021. Bis(2-Chloroisopropyl)Ether (CAS No. 108-60-1). Safety Data Sheet. https://www.guidechem.com/msds/108-60-1.html.

Hathcock, C. D., Bartlow, A. W., and B.E. Thompson. 2018. "2017 Results for Avian Monitoring at the TA-36 Minie Site, TA-39 Point 6, and TA-16 Burn Ground at Los Alamos National Laboratory". 2018-04-30 (rev.1) LA-UR-18-22897.

Howard, P.H., Boethling, R.S., Jarvis, W.F., Meylan, W.M., and E.M. Michalenko. 1991. Handbook of Environmental Degradation Rates. Lewis Publishers. Pg. 406.

International Agency for Research on Cancer (IARC). 2018. 2-Nitrotoluene. World Health Organization. https://monographs.iarc.fr/wp-content/uploads/2018/06/mono101-003.pdf

Kloskowski, R., Scheunert, I., Klein, W., and F. Korte. (1981) Laboratory Screening Of Distribution, Conversion And Mineralization Of Chemicals In The Soil-Plant-System And Comparison To Outdoor Experimental Data. Chemosphere, 10: 1089-1100. In: WHO. 1991. Hexachlorocyclopentadiene International Programme On Chemical Safety. Environmental Health Criteria 120. Hexachlorocyclopentadiene (EHC 120, 1991) (inchem.org)

Krouskop, K.J., K.C. Ayers, and J.L. Proctor. 1991. "Multimedia Sampling for Dioxin at a Strip Mine Reclaimed with Sludge from Bleached Kraft Wastewater Treatment," Tappi Journal, 74(4):235–240. (Krouskop et al. 1991)

LANL (Los Alamos National Laboratory), September 1998. Inorganic and Radionuclide Background Data for Soils, Sediments, and Bandelier Tuff at Los Alamos National Laboratory, Los Alamos National Laboratory document LA-UR-98-4847, Los Alamos, New Mexico.

LANL (Los Alamos National Laboratory), November 2003. ECORISK Database (Version 2.0), on CD, Los Alamos, New Mexico.

LANL 2011. Investigation Report for Water Canyon/Cañon de Valle. Los Alamos National Laboratory document LA-UR-11-5478, ERID-207069. Los Alamos National Laboratory, Los Alamos, New Mexico. September 2011. (https://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ERID-207069)

LANL (Los Alamos National Laboratory). 2012a. ECORISK Database (Release 3.1), LA-UR-12- 24548, Los Alamos National Laboratory, Los Alamos, New Mexico. (LANL) October 2012.

LANL. 2012b. Technical Area 16 Well Network Evaluation and Recommendations. Los Alamos National Laboratory report LA-UR-12-1082, EP2012-0064, Los Alamos National Laboratory, Los Alamos, New Mexico, March 2012. (https://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ERID-213572)

LANL (Los Alamos National Laboratory). 2017. ECORISK Database (Release 4.1), LA-UR-12- 24548, Los Alamos National Laboratory, Los Alamos, New Mexico.

LANL (Los Alamos National Laboratory). 2018. Screening-Level Ecological Risk Assessment Methods, Revision 5.1, Los Alamos National Laboratory document LA-UR-18-22418, Los Alamos, New Mexico. March 2018

LANL (Los Alamos National Laboratory). 2020a. ECORISK Database (Release 4.2) Updated Database. LA-UR-12- 24548, Los Alamos National Laboratory, Los Alamos, New Mexico. November 19, 2020.

LANL 2020b. Interim Facility-Wide Groundwater Monitoring Plan for the 2020 Monitoring Year, October 2019-September 2020 (IFGMP). (https://ext.em-la.doe.gov/eprr/repofile.aspx?oid=0902e3a6800d55ee&n=EMID-700927_EMLA-2020-1451-02-001_MY2021_IFGMP_060120.pdfYear, October 2020-September 2021)

LANL (Los Alamos National Laboratory). 2022. ECORISK Database (Release 4.3) Updated Database. LA-UR-12- 24548, Los Alamos National Laboratory, Los Alamos, New Mexico. September 19, 2022. EMID-702331.

Merck Manual. 2020. Management of Backyard Poultry. Merck Veterinary Manual. May 2020. https://www.merckvetmanual.com/exotic-and-laboratory-animals/backyard-poultry/management-of-backyard-poultry

Lecloux, A. 2004. Hexachlorobutadiene – Sources, environmental fate and risk characterization. Eurochlor. October 2004. https://www.eurochlor.org/wp-content/uploads/2019/04/sd5-hexachlorobutadiene-final.pdf

NMED (New Mexico Environment Department).November 2022. Risk Assessment Guidance for Site Investigations and Remediation. Volume I. Soil Screening Guidance for Human Health Risk Assessments. November 2022.

NMED (New Mexico Environment Department). January 2019. Final Action and Response to Comments Closure Plan for Technical Area 16-399 Open Burn Unit, Los Alamos National Laboratory, EPA ID #NM0890010515. January 2019. (1/17/19)

NMED (New Mexico Environment Department). December 2018. Risk Assessment Guidance for Site Investigations and Remediation. Volume II. Soil Screening Guidance for Ecological Risk Assessments. December 2018.

Organization for Economic Cooperation and Development (OECD). 2003. 4-Nitrotoluene. CAS N°: 99-99-0. SIDS Initial Assessment Report. https://hpvchemicals.oecd.org/ui/handler.axd?id=4CDF8442-3ECB-44B8-8D66-411F4A3CE13C

Pubchem. 2021a. 2,4 Dinitrotoluene. Accessed 1/18/21. https://pubchem.ncbi.nlm.nih.gov/compound/2_4-dinitrotoluene.

Pubchem. 2021b. 2-Nitrotoluene. Accessed 1/19/21. https://pubchem.ncbi.nlm.nih.gov/compound/2-Nitrotoluene

Pubchem. 2021c. 1,2,3-Trichloropropane. Accessed 1/19/21. https://pubchem.ncbi.nlm.nih.gov/compound/7285

Sample, B.E., Suter III, G.W., Efroymson, R.A., and Jones, D.A., May 1998. "A Guide to the ORNL Ecotoxicological Screening Benchmarks: Background, Development, and Application," Oak Ridge National Laboratory, Environmental Sciences Division, Publication No. 4783, ORNL/TM13615, Oak Ridge, TN. May 1998

Umbreit T.H., Hesse E.J., and M.A. Gallo. 1986. Bioavailability Of Dioxin In Soil From a 2,4,5-T Manufacturing Site. Science. April 25 1986. 232(4749):497-499.

Van den Berg et.al, 2006. The 2005 World Health Organization Re-evaluation of Human and Mammalian Toxic Equivalency factors for Dioxin and Dioxin-like Compounds. ToxiSci Advance Access, July 7, 2006.

WHO (World Health Organization). 1991. Hexachlorocyclopentadiene International Programme On Chemical Safety. Environmental Health Criteria 120. Hexachlorocyclopentadiene (EHC 120, 1991) (inchem.org)

WHO (World Health Organization). 2003. Nitrobenzene. Environmental Health Criteria 230. 163 pp. https://www.who.int/ipcs/publications/ehc/230_part_I.pdf?ua=1

WHO (World Health Organization). September 2009. "Project For The Re-Evaluation Of Human And Mammalian Toxic Equivalency Factors (TEFS) Of Dioxins And Dioxin-Like Compounds". International Programme on Chemical Safety. http://www.who.int/ipcs/assessment/tef_update/en/

Yang, W.C., Gan J., Liu W. P., and R. Green. 2005. Degradation Of N-Nitrosodimethylamine (NDMA) In Landscape Soils. Journal of Environmental Quality. 34(1):336-41.

Tables

Table 1-1. Samples Included in Risk Assessment Dataset

Year	Sample ID	Location Comment	Latitude	Longitude	Analysis Conducted	Depth in Inches	Reason for Sample Collection
2009	09RCRA695	West of Closure Plan Location #10	35.84892289	-106.331862	Dioxin/Furans	0-2	Site characterization
2009	09RCRA696	West of Closure Plan Location #10	35.84892289	-106.331862	Metals	0-2	Site characterization
2009	09RCRA697	Approximate same as Closure Plan Location #10	35.84877119	-106.3312148	Dioxin/Furans	0-2	Site characterization
2009	09RCRA698	Approximate same as Closure Plan Location #10	35.84877119	-106.3312148	Metals	0-2	Site characterization
2009	09RCRA699	North of Closure Plan Location #1	35.84866639	-106.3320486	Dioxin/Furans	0-2	Site characterization
2009	09RCRA700	North of Closure Plan Location #1	35.84866639	-106.3320486	Metals	0-2	Site characterization
2009	09RCRA701	West of 09RCRA706 across road	35.84835342	-106.3324082	Dioxin/Furans	0-2	Site characterization
2009	09RCRA702	West of 09RCRA706 across road	35.84835342	-106.3324082	Metals	0-2	Site characterization
2009	09RCRA703	South of 09RCRA706	35.84825212	-106.3322281	Dioxin/Furans	0-2	Site characterization
2009	09RCRA704	South of 09RCRA706	35.84825212	-106.3322281	Metals	0-2	Site characterization
2009	09RCRA705	West of Closure Plan Location #1 other side of the road	35.84836205	-106.3321487	Dioxin/Furans	0-2	Site characterization
2009	09RCRA706	West of Closure Plan Location #1 other side of the road	35.84836205	-106.3321487	Metals	0-2	Site characterization
2009	09RCRA707	Just south of Closure Plan Location #1	35.84848903	-106.3318581	Dioxin/Furans	0-2	Site characterization
2009	09RCRA708	Just south of Closure Plan Location #1	35.84848903	-106.3318581	Metals	0-2	Site characterization
2009	09RCRA709	Approximate same as Closure Plan Location #8	35.84804117	-106.3317089	Dioxin/Furans	0-2	Site characterization
2009	09RCRA710	Approximate same as Closure Plan Location #8	35.84804117	-106.3317089	Metals	0-2	Site characterization
2009	09RCRA711	South and east of Closure Plan Location #6	35.84836526	-106.3315604	Dioxin/Furans	0-2	Site characterization

Year	Sample ID	Location Comment	Latitude	Longitude	Analysis Conducted	Depth in Inches	Reason for Sample Collection
2009	09RCRA712	South and east of Closure Plan Location #6	35.84836526	-106.3315604	Metals	0-2	Site characterization
2009	09RCRA731	North of Closure Plan Location #9	35.8477678	-106.3318366	Dioxin/Furans	0-2	Site characterization
2009	09RCRA732	North of Closure Plan Location #9	35.8477678	-106.3318366	Metals	0-2	Site characterization
2012	RE16-12-17672	Approximate same as Closure Plan Location #1	35.848517	-106.331883	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	0-2	Anticipated closure plan approval
2012	RE16-12-17678	Approximate same as Closure Plan Location #6 (at depth only)	35.8484	-106.331583	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	10	Anticipated closure plan approval
2012	RE16-12-17679	Approximate south of Closure Plan Location #7	35.847917	-106.331367	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	0-2	Anticipated closure plan approval
2012	RE16-12-17680	Approximate same as Closure Plan Location #8	35.848033	-106.331617	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	0-2	Anticipated closure plan approval
2013	WST16-13-29794	East of Closure Plan Location #9	35.84768333	-106.3318	High Explosives, SVOC, Metals, Perchlorate, Dioxins/Furans	0-2	Hotspot location identification
2019	WST16-19-181361	Closure Plan Location #1	35.8485333	-106.3319667º	High Explosives, VOC, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	0-2	Closure plan sample location
2019	WST16-19-181362	Closure Plan Location #6	35.8484	-106.3316333º	High Explosives, VOC, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	0-2	Closure plan sample location
2019	WST16-19-181363	Closure Plan Location #6 subsurface	35.8484000	-106.3316333º	High Explosives, VOC, SVOC, Metals (No Mercury), Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics	2-12	Closure plan sample location
2019	WST16-19-181364	Closure Plan Location #8	35.8481000	-106.3316500º	High Explosives, VOC, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics	0-2	Closure plan sample location
2019	WST16-19-181365	Closure Plan Location #8 subsurface	35.8481000	-106.3316500º	High Explosives, VOC, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics	2-12	Closure plan sample location

Year	Sample ID	Location Comment	Latitude	Longitude	Analysis Conducted	Depth in Inches	Reason for Sample Collection
2019	WST16-19-181366	Closure Plan Location #7	35.8479333	-106.3318333°	High Explosives, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	0-2	Closure plan sample location
2019	WST16-19-181368	Closure Plan Location #10	35.8487333	-106.3313500º	High Explosives, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics	0-2	Closure plan sample location
2019	WST16-19-184748	Closure Plan Location #10	35.8487333	-106.3313500º	VOC	0-2	Resample closure plan sample location
2019	WST16-19-184749	Closure Plan Location #6 subsurface	35.8484	-106.3316333º	Mercury	0-2	Resample closure plan sample location
2019	WST16-19-184750	Closure Plan Location #7	35.8479333	-106.3318333°	VOC	0-2	Resample closure plan sample location
2019	WST16-19-184757	Closure Plan Location #8	35.8481000	-106.3316500	Nitrate	0-2	Resample closure plan sample location
2019	WST16-19-184758	8s	35.8481000	-106.3316500	Nitrate	2-12	Resample closure plan sample location
2021	WST16-22-237994	Middle of excavation- D-F excavation	35.8476303	-106.3318862	High Explosives, Metals, Dioxin/Furan	~10	Confirmation sample after soil excavation
2021	WST16-22-237995	Southern portion of excavation- D-F excavation	35.847576	-106.3318844	High Explosives, Metals, Dioxin/Furan	~10	Confirmation sample after soil excavation
2021	WST16-22-238006	Western portion of excavation- D-F excavation	35.8476113	-106.3319245	High Explosives, Metals, Dioxin/Furan	~10	Confirmation sample after soil excavation
2021	WST16-22-238007	Northern portion of excavation (by pole)- D-F excavation	35.847576	-106.3318844	High Explosives, Metals, Dioxin/Furan	~10	Confirmation sample after soil excavation
2021	WST16-22-238008	Northeastern portion of excavation- D-F excavation	35.8476474	-106.3318577	High Explosives, Metals, Dioxin/Furan	~10	Confirmation sample after soil excavation
2021	WST16-22-238009	Southeastern portion of excavation- D-F excavation	35.847612	-106.3318472	High Explosives, Metals, Dioxin/Furan	~10	Confirmation sample after soil excavation
2023	SFB-23-295629	Closure Plan Location # 1	35.848502	-106.331905	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location

Year	Sample ID	Location Comment	Latitude	Longitude	Analysis Conducted	Depth in Inches	Reason for Sample Collection
2023	SFB-23-295630	Closure Plan Location #2	35.848373	-106.331743	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location
2023	SFB-23-295631	Closure Plan Location #3	35.8482	-106.331647	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location
2023	SFB-23-295632	Closure Plan Location #3	35.8482	-106.331647	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	At Depth 6-15 inches	Closure plan sample location
2023	SFB-23-295633	Closure Plan Location #4	35.848288	-106.331815	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location
2023	SFB-23-295634	Closure Plan Location #5	35.848178	-106.33186	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location
2023	SFB-23-295635	Closure Plan Location #6	35.8484	-106.33163	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location
2023	SFB-23-295636	Closure Plan Location #6 subsurface	35.8484	-106.33163	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	At Depth 6-15 inches	Closure plan sample location
2023	SFB-23-295637	Closure Plan Location #7	35.84793	-106.3315	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location
2023	SFB-23-295638	Closure Plan Location #7 Duplicate	35.84809	-106.33165	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	QA/QC Sample
2023	SFB-23-295639	Closure Plan Location #8	35.84809	-106.33165	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location

Year	Sample ID	Location Comment	Latitude	Longitude	Analysis Conducted	Depth in Inches	Reason for Sample Collection
2023	SFB-23-295640	Closure Plan Location #8 subsurface	35.84809	-106.33165	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	At Depth 6-15 inches	Closure plan sample location
2023	SFB-23-295641	Closure Plan Location #9	35.8476	-106.331883	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location
2023	SFB-23-295642	Closure Plan Location #10	35.8487	-106.33135	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location
2023	SFB-23-295643	Closure Plan Location #11	35.848327	-106.331834	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location
2023	SFB-23-295644	Closure Plan Location #11 subsurface	35.848327	-106.331834	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	At Depth 6-15 inches	Closure plan sample location
2023	SFB-23-295652	PFAS Baseline 1	35.848752	-106.331308	PFAS	Surface	Closure plan sample location
2023	SFB-23-295653	PFAS Baseline 1 Duplicate at depth	35.848752	-106.331308	PFAS	At Depth 6-15 inches	Closure plan sample location
2023	SFB-23-295654	PFAS Baseline 2	35.848679	-106.331973	PFAS	Surface	Closure plan sample location
2023	SFB-23-295655	PFAS Baseline 2 Duplicate at depth	35.848679	-106.331973	PFAS	At Depth 6-15 inches	Closure plan sample location
2023	SFB-23-295656	PFAS Baseline 3	35.848503	-106.332361	PFAS	Surface	Closure plan sample location
2023	SFB-23-295657	PFAS Baseline 3 Duplicate at depth	35.848503	-106.332361	PFAS	At Depth 6-15 inches	Closure plan sample location
2023	SFB-23-295647	Verification 3	35.84832	-106.33174	Metals, Dioxins/Furans, High Explosives, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Excavated surface	Confirmation sample after soil excavation
2023	SFB-23-295648	Verification 4	35.848204	-106.331689	Metals, Dioxins/Furans, High Explosives, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Excavated surface	Confirmation sample after soil excavation

Year	Sample ID	Location Comment	Latitude	Longitude	Analysis Conducted	Depth in Inches	Reason for Sample Collection
2023	SFB-23-295649	Verification 5	35.848257	-106.331795	Metals, Dioxins/Furans, High Explosives, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Excavated surface	Confirmation sample after soil excavation
2023	SFB-23-295650	Verification 6	35.848162	-106.331772	Metals, Dioxins/Furans, High Explosives, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	At Depth 9-15 inches	Confirmation sample after soil excavation
2023	SFB-23-295651	Verification 7	35.848231	-106.33165	Metals, Dioxins/Furans, High Explosives, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	At Depth 9.5-15 inches	Confirmation sample after soil excavation
2024	SFB-24-323271	Verification 1	35.848282	-106.331906	Metals, Dioxins/Furans, High Explosives, VOC, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	0-6	Excavated surface
2024	SFB-24-323272	Verification 2	35.84818	-106.33186	Metals, Dioxins/Furans, High Explosives, VOC, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	0-6	Excavated surface
2024	SFB-24-323273	Verification 8	35.84828	-106.33191	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	0-6	At edge of excavated area.
2024	SFB-24-323274	Verifcation 9	35.84823	-106.33192	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	10-12	Outside of excavated area.

Table 2-1. NMSSLs and Surrogate Values Used in the Risk Assessment

Parameter name	CAS Number	Residential Cancer (mg/kg)	Residential Noncancer (mg/kg)	Industrial Cancer (mg/kg)	Industrial Noncancer (mg/kg)	Construction Worker Cancer (mg/kg)	Construction Worker Noncancer (mg/kg)	SL-SSL, DAF 20 (mg/kg)
Inorganic								
Aluminum	7429-90-5	-	7.80E+04	-	1.29E+06	-	4.14E+04	5.97E+05
Antimony	7440-36-0	-	3.13E+01	-	5.19E+02	-	1.42E+02	6.56E+00
Arsenic	7440-38-2	7.07E+00	1.30E+01	3.59E+01	2.08E+02	2.16E+02	4.12E+01	5.83E+00
Barium	7440-39-3	-	1.56E+04	-	2.55E+05	-	4.39E+03	2.70E+03
Beryllium	7440-41-7	6.44E+04	1.56E+02	3.13E+05	2.58E+03	2.71E+03	1.48E+02	1.96E+02
Cadmium	7440-43-9	8.59E+04	7.05E+01	4.17E+05	1.11E+03	3.61E+03	7.21E+01	9.39E+00
Calcium	Ca	-	1.30E+07	-	3.24E+07	-	8.85E+06	-
Chromium	16065-83-1	9.66E+01	4.52E+04	5.05E+02	3.14E+05	4.68E+02	1.34E+02	2.05E+05
Cobalt	7440-48-4	1.72E+04	2.34E+01	8.34E+04	3.88E+02	7.22E+02	3.67E+01	5.40E+00
Copper	7440-50-8	-	3.13E+03	-	5.19E+04	-	1.42E+04	9.15E+02
Iron	7439-89-6	-	5.48E+04	-	9.08E+05	-	2.48E+05	6.96E+03
Lead	7439-92-1	-	4.00E+02	-	8.00E+02	-	8.00E+02	2.70E+02
Magnesium	Mg	-	1.56E+07	-	5.68E+06	-	1.55E+06	-
Manganese	7439-96-5	-	1.05E+04	-	1.60E+05	-	4.64E+02	2.63E+03
Mercury	7487-94-7	-	2.35E+01	-	3.89E+02	-	7.71E+01	5.13E+00
Nickel	7440-02-0	5.95E+05	1.56E+03	2.89E+06	2.57E+04	2.50E+04	7.53E+02	4.85E+02
Nitrate	14797-55-8	-	1.25E+05	-	2.08E+06	-	5.66E+05	4.25E+02
Nitrate as Nitrogen	14797-55-8	-	1.25E+05	-	2.08E+06	-	5.66E+05	4.25E+02
Perchlorate	14797-73-0	-	5.48E+01	-	9.08E+02	-	2.48E+02	1.17E-01
Potassium	K	-	1.56E+07	-	7.62E+07	-	2.08E+07	-
Selenium	7782-49-2	-	3.91E+02	-	6.49E+03	-	1.75E+03	1.02E+01
Silver	7440-22-4	-	3.91E+02	-	6.49E+03	-	1.77E+03	1.38E+01
Sodium	Na	-	7.82E+06	-	3.73E+07	-	1.02E+07	-
Thallium	7440-28-0	-	7.82E-01	-	1.30E+01	-	3.54E+00	2.85E+00
Vanadium	7440-62-2	-	3.94E+02	-	6.53E+03	-	6.14E+02	1.26E+03
Zinc	7440-66-6	-	2.35E+04	-	3.89E+05	-	1.06E+05	7.41E+03
Organic								
2,3,7,8-TCDD	1746-01-6	4.90E-05	5.06E-05	2.38E-04	8.08E-04	1.72E-03	2.26E-04	2.24E-04
2,4-Diamino-6-nitrotoluene	6629-29-4	-	*6.16E+00*	-	*9.16E+01*	-	*2.69E+01*	*2.50E-02*
2,6-Diamino-4-nitrotoluene	59229-75-3	-	*6.16E+00*	-	*9.16E+01*	-	*2.69E+01*	*2.50E-02*
3,5-Dinitroaniline	618-87-1	-	*7.70E+00*	-	*1.27E+02*	-	*1.73E+01*	*2.30E-02*
Acenaphthene	83-32-9	-	3.48E+03	-	5.05E+04	-	1.51E+04	8.25E+01
Acenaphthylene	208-96-8	-	*1.74E+03*	-	*2.53E+04*	-	*7.53E+03*	*1.92E+02*
Acetone	67-64-1	-	6.63E+04	-	9.60E+05	-	2.42E+05	4.98E+01
2-Amino-4,6-dinitrotoluene	35572-78-2	-	7.70E+00	-	1.27E+02	-	1.73E+01	2.30E-02
4-Amino-2,6-dinitrotoluene	19406-51-0	-	7.64E+00	-	1.25E+02	-	1.73E+01	2.30E-02
Aniline	62-53-3	*9.50E+02*	*4.40E+02*	*4.00E+03*	*5.70E+03*	*1.76E+04*	*8.15E+01*	*9.20E-01*
Anthracene	120-12-7	-	1.74E+04	-	2.53E+05	-	7.53E+04	8.51E+02
Azobenzene	103-33-3	*5.60E+01*	-	*2.60E+02*	-	*1.78E+03*	-	*1.86E-01*

Parameter name	CAS Number	Residential Cancer (mg/kg)	Residential Noncancer (mg/kg)	Industrial Cancer (mg/kg)	Industrial Noncancer (mg/kg)	Construction Worker Cancer (mg/kg)	Construction Worker Noncancer (mg/kg)	SL-SSL, DAF 20 (mg/kg)
Benzene	71-43-2	1.78E+01	1.14E+02	8.72E+01	7.29E+02	4.23E+02	1.42E+02	4.18E-02
Benzo(a)anthracene	56-55-3	1.53E+00	-	3.23E+01	-	2.40E+02	-	6.37E-01
Benzo(a)pyrene	50-32-8	1.12E+00	1.74E+01	2.36E+01	2.51E+02	1.73E+02	1.50E+01	4.42E+00
Benzo(b)fluoranthene	205-99-2	1.53E+00	-	3.23E+01	-	2.40E+02	-	6.17E+00
Benzo(g,h,i)perylene	191-24-2	-	1.74E+03	-	2.53E+04	-	7.53E+03	1.92E+02
Benzo(k)fluoranthene	207-08-9	1.53E+01	-	3.23E+02	-	2.31E+03	-	6.05E+01
Benzoic Acid	65-85-0	-	*2.50E+05*	-	*3.30E+06*	-	*1.08E+06*	*3.00E+02*
Benzyl Alcohol	100-51-6	-	*6.30E+03*	-	*8.20E+04*	-	*2.69E+04*	*9.60E+00*
Bis(2-chloroethoxy)methane	111-91-1	-	*1.90E+02*	-	*2.50E+03*	-	*8.07E+02*	*2.60E-01*
Bis(2-chloroethyl)ether	111-44-4	3.11E+00	-	1.57E+01	-	1.95E+00	-	6.05E-04
Bis(2-ethylhexyl)phthalate	117-81-7	3.80E+02	1.23E+03	1.83E+03	1.83E+04	1.34E+04	5.38E+03	2.00E+02
Bromobenzene	108-86-1	-	*2.90E+02*	-	*1.80E+03*	-	*5.44E+02*	*8.40E-01*
Bromochloromethane	74-97-5	-	*1.50E+02*	-	*6.30E+02*	-	*3.04E+02*	*4.20E-01*
Bromodichloromethane	75-27-4	6.19E+00	1.56E+03	3.02E+01	2.60E+04	1.43E+02	7.08E+03	6.21E-03
Bromoform	75-25-2	6.74E+02	1.23E+03	1.76E+03	1.83E+04	2.37E+04	5.38E+03	1.47E-01
Bromomethane	74-83-9	-	1.77E+01	-	9.45E+01	-	1.79E+01	3.43E-02
Bromophenyl-phenylether[4-]	101-55-3	-	*1.60E+02*	-	*2.30E+03*	-	*7.08E+02*	*3.40E+01*
Butanone[2-]	78-93-3	-	3.74E+04	-	4.11E+05	-	9.17E+04	2.01E+01
Butylbenzene[n-]	104-51-8	-	*3.90E+03*	-	*5.80E+04*	-	*1.77E+04*	*6.40E+01*
Butylbenzene[sec-]	135-98-8	-	*7.80E+03*	-	*1.20E+05*	-	*3.54E+04*	*1.18E+02*
Butylbenzene[tert-]	98-06-6	-	*7.80E+03*	-	*1.20E+05*	-	*3.54E+04*	*3.20E+01*
Butylbenzylphthalate	85-68-7	*2.90E+03*	*1.30E+04*	*1.20E+04*	*1.60E+05*	*9.91E+04*	*5.38E+04*	*4.80E+01*
Carbon Disulfide	75-15-0	-	1.55E+03	-	8.54E+03	-	1.62E+03	4.42E+00
Carbon Tetrachloride	56-23-5	1.07E+01	1.44E+02	5.25E+01	1.02E+03	2.52E+02	2.02E+02	3.67E-02
Chloro-3-methylphenol[4-]	59-50-7	-	*6.30E+03*	-	*8.20E+04*	-	*2.69E+04*	*3.40E+01*
Chloroaniline[4-]	106-47-8	*2.70E+01*	*3.20E+01*	*1.10E+02*	*4.10E+02*	*9.42E+02*	*1.35E+02*	*3.20E-02*
Chlorobenzene	108-90-7	-	3.78E+02	-	2.16E+03	-	4.12E+02	1.08E+00
Chlorodibromomethane	124-48-1	1.39E+01	1.23E+03	6.74E+01	1.83E+04	3.40E+02	5.38E+03	7.55E-03
Chloroethane	75-00-3	-	1.90E+04	-	8.95E+04	-	1.66E+04	1.07E+02
Chloroform	67-66-3	5.90E+00	3.06E+02	2.87E+01	2.00E+03	1.34E+02	3.91E+02	1.09E-02
Chloromethane	74-87-3	4.11E+01	2.68E+02	2.01E+02	1.26E+03	9.56E+02	2.35E+02	9.52E-02
Chloronaphthalene[2-]	91-58-7	-	6.26E+03	-	1.04E+05	-	2.83E+04	5.70E+01
Chlorophenol[2-]	95-57-8	-	3.91E+02	-	6.49E+03	-	1.77E+03	1.15E+00
Chlorophenyl-phenyl[4-] Ether	7005-72-3	-	-	-	-	-	-	-
Chlorotoluene[2-]	95-49-8	-	1.56E+03	-	2.60E+04	-	7.08E+03	3.56E+00
Chlorotoluene[4-]	106-43-4	-	*1.56E+03*	-	*2.60E+04*	-	*7.08E+03*	*3.56E+00*
Chrysene	218-01-9	1.53E+02	-	3.23E+03	-	2.31E+04	-	1.86E+02
Dibenz(a,h)anthracene	53-70-3	1.53E-01	-	3.23E+00	-	2.40E+01	-	1.97E+00
Dibenzofuran	132-64-9	-	*7.80E+01*	-	*1.20E+03*	-	*3.54E+02*	*3.00E+00*
Dibromo-3-Chloropropane[1,2-]	96-12-8	8.58E-02	5.88E+00	1.18E+00	4.11E+01	5.53E+00	8.29E+00	1.39E-03
Dibromoethane[1,2-]	106-93-4	6.72E-01	1.35E+02	3.31E+00	7.38E+02	1.63E+01	1.40E+02	3.52E-04
Dibromomethane	74-95-3	-	5.79E+01	-	2.88E+02	-	5.39E+01	3.35E-02

Parameter name	CAS Number	Residential Cancer (mg/kg)	Residential Noncancer (mg/kg)	Industrial Cancer (mg/kg)	Industrial Noncancer (mg/kg)	Construction Worker Cancer (mg/kg)	Construction Worker Noncancer (mg/kg)	SL-SSL, DAF 20 (mg/kg)
Dichlorobenzene[1,2-]	95-50-1	-	2.15E+03	-	1.30E+04	-	2.50E+03	9.08E+00
Dichlorobenzene[1,3-]	541-73-1	*1.29E+03*	*5.48E+03*	*6.73E+03*	*9.08E+04*	*4.59E+04*	*2.48E+04*	*1.12E+00*
Dichlorobenzene[1,4-]	106-46-7	1.29E+03	5.48E+03	6.73E+03	9.08E+04	4.59E+04	2.48E+04	1.12E+00
Dichlorobenzidine[3,3'-]	91-94-1	1.18E+01	-	5.70E+01	-	4.10E+02	-	1.24E-01
Dichlorodifluoromethane	75-71-8	-	1.82E+02	-	8.65E+02	-	1.61E+02	7.23E+00
Dichloroethane[1,1-]	75-34-3	7.86E+01	1.56E+04	3.83E+02	2.60E+05	1.82E+03	7.08E+04	1.36E-01
Dichloroethane[1,2-]	107-06-2	8.32E+00	5.56E+01	4.07E+01	2.86E+02	1.95E+02	5.38E+01	2.38E-02
Dichloroethene[1,1-]	75-35-4	-	4.40E+02	-	2.26E+03	-	4.24E+02	1.95E+00
Dichloroethene[cis-1,2-]	156-59-2	-	1.56E+02	-	2.60E+03	-	7.08E+02	3.52E-01
Dichloroethene[trans-1,2-]	156-60-5	-	*2.10E+02*	-	*1.10E+03*	-	*2.06E+02*	*5.03E-01*
Dichlorophenol[2,4-]	120-83-2	-	1.85E+02	-	2.75E+03	-	8.07E+02	8.25E-01
Dichloropropane[1,2-]	78-87-5	1.78E+01	2.90E+01	8.68E+01	1.37E+02	4.15E+02	2.54E+01	2.77E-02
Dichloropropane[1,3-]	142-28-9	*1.78E+01*	*2.90E+01*	*8.68E+01*	*1.37E+02*	*4.15E+02*	*2.54E+01*	*2.77E-02*
Dichloropropane[2,2-]	594-20-7	*1.78E+01*	*2.90E+01*	*8.68E+01*	*1.37E+02*	*4.15E+02*	*2.54E+01*	*2.77E-02*
Dichloropropene[1,1-]	563-58-6	*2.93E+01*	*1.41E+02*	*1.46E+02*	*6.95E+02*	*7.81E+02*	*1.30E+02*	*2.81E-02*
Dichloropropene[cis-1,3-]	10061-01-5	*2.93E+01*	*1.41E+02*	*1.46E+02*	*6.95E+02*	*7.81E+02*	*1.30E+02*	*2.81E-02*
Dichloropropene[trans-1,3-]	10061-02-6	*2.93E+01*	*1.41E+02*	*1.46E+02*	*6.95E+02*	*7.81E+02*	*1.30E+02*	*2.81E-02*
Diethylphthalate	84-66-2	-	4.93E+04	-	7.33E+05	-	2.15E+05	9.79E+01
Dimethyl Phthalate	131-11-3	-	*4.93E+04*	-	*7.33E+05*	-	*2.15E+05*	*9.79E+01*
Dimethylphenol[2,4-]	105-67-9	-	1.23E+03	-	1.83E+04	-	5.38E+03	6.45E+00
Di-n-butylphthalate	84-74-2	-	6.16E+03	-	9.16E+04	-	2.69E+04	3.38E+01
Dinitro-2-methylphenol[4,6-]	534-52-1	-	4.93E+00	-	7.33E+01	-	2.15E+01	3.98E-02
Dinitrobenzene[1,3-]	99-65-0	-	*6.3E+00*	-	*8.20E+01*	-	*2.69E+01*	*3.60E-02*
Dinitrophenol[2,4-]	51-28-5	-	1.23E+02	-	1.83E+03	-	5.38E+02	6.69E-01
Dinitrotoluene[2,4-]	121-14-2	1.71E+01	1.23E+02	8.23E+01	1.82E+03	6.00E+02	5.36E+02	4.92E-02
Dinitrotoluene[2,6-]	606-20-2	3.56E+00	1.85E+01	1.72E+01	2.76E+02	1.65E+02	8.09E+01	1.02E-02
Di-n-octylphthalate	117-84-0	-	*6.30E+02*	-	*8.20E+03*	-	*2.69E+03*	*1.14E+03*
Diphenylamine	122-39-4	-	*6.30E+03*	-	*8.20E+04*	-	*2.69E+04*	*4.60E+01*
Ethylbenzene	100-41-4	7.51E+01	3.93E+03	3.68E+02	2.90E+04	1.77E+03	5.80E+03	1.23E+01
Fluoranthene	206-44-0	-	2.32E+03	-	3.37E+04	-	1.00E+04	1.34E+03
Fluorene	86-73-7	-	2.32E+03	-	3.37E+04	-	1.00E+04	8.00E+01
Hexachlorobenzene	118-74-1	3.33E+00	4.93E+01	1.60E+01	7.33E+02	1.17E+02	2.15E+02	1.89E-01
Hexachlorobutadiene	87-68-3	6.83E+01	6.16E+01	5.21E+01	9.16E+02	2.40E+03	2.69E+02	4.13E-02
Hexachlorocyclopentadiene	77-47-4	-	2.30E+00	-	5.49E+03	-	8.67E+02	2.40E+00
Hexachloroethane	67-72-1	1.33E+02	4.31E+01	6.41E+02	6.41E+02	4.67E+03	1.88E+02	3.20E-02
Hexanone[2-]	591-78-6	-	*2.00E+02*	-	*1.30E+03*	-	*5.81E+02*	*1.76E-01*
HMX	2691-41-0	-	3.85E+03	-	6.33E+04	-	1.74E+04	1.94E+01
Indeno(1,2,3-cd)pyrene	193-39-5	1.53E+00	-	3.23E+01	-	2.40E+02	-	2.01E+01
Iodomethane	74-88-4	-	*1.77E+01*	-	*9.45E+01*	-	*1.79E+01*	*3.43E-02*
Isophorone	78-59-1	5.61E+03	1.23E+04	2.70E+04	1.83E+05	1.98E+05	5.37E+04	4.23E+00
Isopropylbenzene	98-82-8	-	2.36E+03	-	1.42E+04	-	2.74E+03	1.14E+01
Isopropyltoluene[4-]	99-87-6	-	*2.36E+03*	-	*1.42E+04*	-	*2.74E+03*	*1.14E+01*

Parameter name	CAS Number	Residential Cancer (mg/kg)	Residential Noncancer (mg/kg)	Industrial Cancer (mg/kg)	Industrial Noncancer (mg/kg)	Construction Worker Cancer (mg/kg)	Construction Worker Noncancer (mg/kg)	SL-SSL, DAF 20 (mg/kg)
Methyl-2-pentanone[4-]	108-10-1	-	5.81E+03	-	8.16E+04	-	2.02E+04	4.80E+00
Methylene Chloride	75-09-2	7.66E+02	4.09E+02	1.44E+04	5.13E+03	8.96E+04	1.21E+03	4.71E-01
Methylnaphthalene[2-]	91-57-6	-	2.32E+02	-	3.37E+03	-	1.00E+03	2.76E+00
Methylphenol[2-]	95-48-7	-	*3.20E+03*	-	*4.10E+04*	-	*1.16E+04*	*1.50E+01*
Methylphenol[3-,4-]	65794-96-9	-	*3.20E+03*	-	*4.10E+04*	-	*1.16E+04*	*1.48E+01*
Methylphenol[4-]	106-44-5	-	*1.30E+03*	-	*1.60E+04*	-	*5.05E+03*	*6.00E+00*
Naphthalene	91-20-3	2.26E+01	1.62E+02	1.08E+02	8.43E+02	6.33E+02	1.59E+02	5.83E-02
Nitroaniline[2-]	88-74-4	-	*6.30E+02*	-	*8.00E+03*	-	*5.89E+00*	*1.60E+00*
Nitroaniline[3-]	99-09-2	*2.70E+02*	*2.50E+02*	*1.10E+03*	*3.30E+03*	*9.42E+03*	*3.92E+02*	*3.20E-01*
Nitroaniline[4-]	100-01-6	*2.70E+02*	*2.50E+02*	*1.10E+03*	*3.30E+03*	*9.42E+03*	*3.92E+02*	*3.20E-01*
Nitrobenzene	98-95-3	6.04E+01	1.31E+02	2.93E+02	1.54E+03	1.35E+03	3.53E+02	1.44E-02
Nitrophenol[2-]	88-75-5	-	*1.85E+04*	-	*2.75E+05*	-	*7.74E+04*	*5.23E+01*
Nitrophenol[4-]	100-02-7	-	*1.85E+04*	-	*2.75E+05*	-	*7.74E+04*	*5.23E+01*
Nitrosodimethylamine[N-]	62-75-9	2.34E-02	4.93E-01	5.03E-01	7.33E+00	3.66E+00	2.14E+00	2.04E-05
Nitroso-di-n-propylamine[N-]	621-64-7	*7.80E-01*	-	*3.30E+00*	-	*1.69E+01*	-	*1.62E-03*
Nitrotoluene[2-]	88-72-2	3.16E+01	7.04E+01	1.65E+02	1.17E+03	1.13E+03	3.19E+02	4.58E-02
Nitrotoluene[3-]	99-08-1	-	6.16E+00	-	9.16E+01	-	2.69E+01	2.50E-02
Nitrotoluene[4-]	99-99-0	3.33E+02	2.47E+02	1.60E+03	3.67E+03	1.18E+04	1.08E+03	6.13E-01
Oxybis(1-chloropropane)[2,2'-]	108-60-1	9.93E+01	-	5.19E+02	-	3.54E+03	-	4.75E-02
Pentachlorophenol	87-86-5	9.85E+00	2.34E+02	4.45E+01	3.18E+03	3.46E+02	9.89E+02	1.52E-01
Perfluorobutanesulfonate	45187-15-3	-	1.85E+01	-	3.74E+02	-	8.07E+01	2.09E-02
Perfluorobutanesulfonic acid (PFBS)	375-73-5	-	1.85E+01	-	3.74E+02	-	8.07E+01	2.09E-02
Perfluorohexanesulfonate	108427-53-8	-	1.23E+00	-	2.49E+01	-	5.38E+00	1.39E-03
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	-	1.23E+00	-	2.49E+01	-	5.38E+00	1.39E-03
Perfluorononanoate	72007-68-2	-	1.85E-01	-	3.74E+00	-	8.07E-01	5.02E-03
Perfluorononanoic acid (PFNA)	375-95-1	-	1.85E-01	-	3.74E+00	-	8.07E-01	5.02E-03
Perfluorooctanesulfonate	45298-90-6	-	1.85E-01	-	3.74E+00	-	8.07E-01	2.09E-04
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	-	1.85E-01	-	3.74E+00	-	8.07E-01	2.09E-04
Perfluorooctanoate	45285-51-6	7.61E+01	1.85E-01	4.98E+02	3.74E+00	2.69E+03	8.07E-01	1.83E-02
Perfluorooctanoic acid (PFOA)	335-67-1	7.61E+01	1.85E-01	4.98E+02	3.74E+00	2.69E+03	8.07E-01	1.83E-02
Potassium perfluorobutanesulfonate	29420-49-3	-	1.85E+01	-	3.74E+02	-	8.07E+01	5.70E-02
Potassium perfluorooctanesulfonate	2795-39-3	-	1.85E-01	-	3.74E+00	-	8.07E-01	2.09E-04
PETN	78-11-5	*1.30E+03*	*5.70E+02*	*5.30E+03*	*7.40E+03*	*4.38E+04*	*2.42E+03*	*5.20E-01*
Phenanthrene	85-01-8	-	1.85E+03	-	2.75E+04	-	8.07E+03	8.59E+01
Phenol	108-95-2	-	1.85E+04	-	2.75E+05	-	7.74E+04	5.23E+01
Propylbenzene[1-]	103-65-1	-	*3.80E+03*	-	*2.40E+04*	-	*6.83E+03*	*2.40E+01*
Pyrene	129-00-0	-	1.74E+03	-	2.53E+04	-	7.53E+03	1.92E+02
Pyridine	110-86-1	-	*7.80E+01*	-	*1.20E+03*	-	*3.54E+02*	*1.36E-01*
RDX	121-82-4	8.31E+01	3.01E+02	4.28E+02	4.89E+03	2.96E+03	1.35E+03	5.93E-02
Styrene	100-42-5	-	7.26E+03	-	5.13E+04	-	1.02E+04	2.06E+01
TATB	3058-38-6	-	*2.20E+03*	-	*3.20E+04*	-	*1.00E+04*	*4.20E+01*

Parameter name	CAS Number	Residential Cancer (mg/kg)	Residential Noncancer (mg/kg)	Industrial Cancer (mg/kg)	Industrial Noncancer (mg/kg)	Construction Worker Cancer (mg/kg)	Construction Worker Noncancer (mg/kg)	SL-SSL, DAF 20 (mg/kg)
Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	4.90E-05	5.06E-05	2.38E-04	8.08E-04	1.72E-03	2.26E-04	2.24E-04
Tetrachloroethane[1,1,1,2-]	630-20-6	2.81E+01	2.35E+03	1.37E+02	3.89E+04	6.59E+02	1.06E+04	3.60E-02
Tetrachloroethane[1,1,2,2-]	79-34-5	7.98E+00	1.56E+03	3.94E+01	2.60E+04	1.97E+02	7.08E+03	4.81E-03
Tetrachloroethene	127-18-4	3.37E+02	1.11E+02	1.65E+03	6.29E+02	7.91E+03	1.20E+02	3.21E-01
Tetryl	479-45-8	-	1.56E+02	-	2.59E+03	-	7.06E+02	5.59E+00
Toluene	108-88-3	-	5.23E+03	-	6.13E+04	-	1.40E+04	1.21E+01
TPH Diesel Range Organics	TPH-DRO	-	2.00E+03	-	3.00E+03	-	3.00E+03	5.72E+03
TPH Gasoline Range Organics.	TPH-GRO	-	1.00E+02	-	5.00E+02	-	5.00E+02	6.93E+03
Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	-	5.08E+04	-	2.43E+05	-	4.53E+04	3.20E+03
Trichlorobenzene[1,2,4-]	120-82-1	2.40E+02	8.29E+01	1.25E+03	4.23E+02	8.54E+03	7.91E+01	3.10E+00
Trichloroethane[1,1,1-]	71-55-6	-	1.44E+04	-	7.25E+04	-	1.36E+04	5.11E+01
Trichloroethane[1,1,2-]	79-00-5	1.88E+01	2.61E+00	9.21E+01	1.24E+01	4.30E+03	2.30E+00	2.68E-02
Trichloroethene	79-01-6	1.55E+01	6.77E+00	1.12E+02	3.65E+01	5.37E+03	6.90E+00	3.10E-02
Trichlorofluoromethane	75-69-4	-	1.23E+03	-	6.03E+03	-	1.13E+03	1.57E+01
Trichlorophenol[2,4,5-]	95-95-4	-	6.16E+03	-	9.16E+04	-	2.69E+04	6.62E+01
Trichlorophenol[2,4,6-]	88-06-2	4.84E+02	6.16E+01	2.33E+03	9.16E+02	1.70E+04	2.69E+02	6.74E-01
Trichloropropane[1,2,3-]	96-18-4	5.10E-02	7.09E+00	1.21E+00	3.40E+01	8.26E+00	6.31E+00	5.82E-05
Trimethylbenzene[1,2,4-]	95-63-6	-	*3.00E+02*	-	*1.80E+03*	-	*5.00E+02*	*1.62E+00*
Trimethylbenzene[1,3,5-]	108-67-8	-	*2.70E+02*	-	*1.50E+03*	-	*4.30E+02*	*1.74E+00*
Trinitrobenzene[1,3,5-]	99-35-4	-	*2.20E+03*	-	*3.20E+04*	-	*1.00E+04*	*4.20E+01*
Trinitrotoluene[2,4,6-]	118-96-7	2.11E+02	3.60E+01	1.07E+03	5.73E+02	7.50E+03	1.61E+02	8.61E-01
Tris (o-cresyl) phosphate	78-30-8	*1.70E+03*	*6.30E+03*	*7.20E+03*	*8.20E+04*	*5.89E+04*	*2.69E+04*	*2.40E+03*
Vinyl Chloride	75-01-4	7.42E-01	1.13E+02	2.84E+01	8.16E+02	1.61E+02	1.62E+02	1.34E-02
Xylene[1,2-]	95-47-6	-	8.05E+02	-	3.94E+03	-	7.36E+02	2.98E+00
Xylene[1,3-]+Xylene[1,4-]	Xylene[m+p]	-	8.71E+02	-	4.28E+03	-	7.98E+02	1.54E+02

Notes: SLs reflect current NMED (2022) and EPA (2023) SLs where NMSSLs are not available
Italics indicate a surrogate was used because an NMSSL was not available. See Section 2.1.3
mg/kg – milligram per kilogram
NV – No value
SL-SSL DAF 20 – Migration to groundwater screening level at a dilution attenuation factor of 20

Table 2-2. Summary Statistics for Detected Analytes in the Risk Assessment Surface Soil Data

Analyte Name	CAS Number	Sample Size	Minimum Detected Value (mg/kg)	Maximum Detected Value (mg/kg)	Minimum Method Detection Limit (mg/kg)	Maximum Method Detection Limit (mg/kg)	Number of Detected Values
Inorganic							
Aluminum	Al	37	2040	10400	5.79	8.08	37
Antimony	Sb	37	0.462	0.666	0.281	0.392	3
Arsenic	As	47	0.767	3.67	0.194	0.422	47
Barium	Ba	47	44.4	3920	0.0862	12	47
Beryllium	Be	37	0.278	1.11	0.017	0.025	37
Cadmium	Cd	47	0.102	0.562	0.02	0.119	15
Calcium	Ca	37	686	5910	6.81	9.59	37
Chromium	Cr	47	3.05	12	0.128	0.24	47
Cobalt	Co	37	0.689	8.14	0.129	0.831	37
Copper	Cu	37	2.64	15.8	0.256	0.356	37
Iron	Fe	37	4190	16000	6.81	9.59	37
Lead	Pb	47	5.19	20.2	0.1	0.392	47
Magnesium	Mg	37	638	2460	7.24	10.1	37
Manganese	Mn	37	102	538	0.17	0.24	37
Mercury	Hg	47	0.00368	0.0664	0.00357	0.00899	39
Nickel	Ni	37	2.54	9.18	0.0852	0.125	37
Nitrate	NO3	12	0.684	18.9	0.312	0.365	10
Nitrate as Nitrogen	NO3-N	12	0.617	8.32	0.288	0.406	12
Perchlorate	ClO4	31	0.000535	0.00247	0.000455	0.00061	10
Potassium	K	37	446	1780	5.45	7.6	37
Selenium	Se	47	0.508	2.03	0.307	0.59	32
Silver	Ag	47	0.164	7.95	0.0852	0.12	35
Sodium	Na	37	48.6	176	5.96	8.31	37
Thallium	Tl	37	0.0792	0.401	0.0582	0.175	25
Vanadium	V	37	6.25	32.4	0.0852	0.119	37
Zinc	Zn	37	20.1	248	0.341	0.475	37
Organic							
Acenaphthene	83-32-9	31	0.0144	0.059	0.0098	0.0505	2
Amino-2,6-dinitrotoluene[4-]	19406-51-0	37	0.354	0.753	0.139	0.151	4
Amino-4,6-dinitrotoluene[2-]	35572-78-2	37	0.274	1.16	0.139	0.151	3
Anthracene	120-12-7	31	0.0119	0.0935	0.0098	0.0505	2
Benzo(a)anthracene	56-55-3	31	0.0255	0.0255	0.0098	0.0505	1
Benzo(a)pyrene	50-32-8	31	0.0226	0.0226	0.0098	0.0505	1
Benzo(b)fluoranthene	205-99-2	31	0.061	0.061	0.0098	0.0505	1
Benzo(g,h,i)perylene	191-24-2	31	0.0119	0.0119	0.0098	0.0505	1

Analyte Name	CAS Number	Sample Size	Minimum Detected Value (mg/kg)	Maximum Detected Value (mg/kg)	Minimum Method Detection Limit (mg/kg)	Maximum Method Detection Limit (mg/kg)	Number of Detected Values
Benzo(k)fluoranthene	207-08-9	31	0.0179	0.0179	0.0098	0.0505	1
Benzoic Acid	65-85-0	31	0.228	0.538	0.163	0.841	9
Bis(2-ethylhexyl)phthalate	117-81-7	31	0.0125	3.83	0.0098	0.106	18
Chrysene	218-01-9	31	0.0554	0.0554	0.0098	0.0505	1
Fluoranthene	206-44-0	31	0.0133	0.0133	0.0098	0.0505	1
HMX	2691-41-0	37	2.06	3.67	0.139	0.151	8
Indeno(1,2,3-cd)pyrene	193-39-5	31	0.0106	0.0106	0.0098	0.0505	1
Isopropyltoluene[4-]	99-87-6	30	0.000424	0.000424	0.00031	0.000418	1
Perfluorobutanoic acid	375-22-4	22	0.000244	0.000244	0.000178	1.2	1
Perfluorooctanesulfonic acid	1763-23-1	22	0.000224	0.000224	0.000178	0.241	1
Perfluorooctanoic acid	335-67-1	22	0.000896	0.000896	0.000178	0.241	1
Pyrene	129-00-0	31	0.0129	0.0129	0.0098	0.0505	1
RDX	121-82-4	37	0.223	21.6	0.139	3.71	13
TATB	3058-38-6	37	0.292	11.6	0.278	0.75	16
TCDD TEQ	1746-01-6	47	-	2.17E-04	-	-	-
Total Petroleum Hydrocarbons Diesel Range Organics	TPH-DRO	26	2.27	135	2.11	21.5	22
Trinitrotoluene[2,4,6-]	118-96-7	37	0.231	0.859	0.139	0.151	5

Note: Data are for soils depths from 0 to 1'. Data as shown contain field duplicates.
Data shown are for analytes with one or more detected values
Shaded cells indicate the maximum nondetect exceeded the maximum detected value
"-" – Not applicable

Table 2-3. Summary Statistics for Detected Analytes in the Risk Assessment Subsurface Soil Data

Analyte Name	CAS No.	n	Minimum Detected Value (mg/kg)	Maximum Detected Value (mg/kg)	Minimum Method Detection Limit (mg/kg)	Maximum Method Detection Limit (mg/kg)	Number of Detected Values
Inorganic							
Aluminum	Al	43	2040	12700	5.79	8.08	43
Antimony	Sb	43	0.425	0.666	0.281	0.392	5
Arsenic	As	53	0.767	3.67	0.194	0.422	53
Barium	Ba	53	44.4	4160	0.0862	12	53
Beryllium	Be	43	0.278	1.11	0.017	0.025	43
Cadmium	Cd	53	0.102	0.562	0.02	0.119	15
Calcium	Ca	43	627	5910	6.81	9.59	43
Chromium	Cr	53	3.05	12	0.128	0.24	53
Cobalt	Co	43	0.689	8.14	0.129	0.831	42
Copper	Cu	43	2.57	15.8	0.256	0.356	43
Iron	Fe	43	4190	16000	6.81	9.59	43
Lead	Pb	53	4.99	20.2	0.1	0.392	53
Magnesium	Mg	43	638	2460	7.24	10.1	43
Manganese	Mn	43	71.6	538	0.17	0.24	43
Mercury	Hg	53	0.00368	0.0664	0.00357	0.00899	44
Nickel	Ni	43	2.5	9.18	0.0852	0.125	43
Nitrate	NO3	14	0.612	18.9	0.312	0.365	12
Nitrate as Nitrogen	NO3-N	16	0.617	8.32	0.288	0.406	16
Perchlorate	ClO4	37	0.000535	0.00247	0.000455	0.00061	10
Potassium	K	43	446	1780	5.45	7.6	43
Selenium	Se	53	0.421	2.03	0.307	0.59	38
Silver	Ag	53	0.128	7.95	0.0852	0.12	41
Sodium	Na	43	48.6	176	5.96	8.31	43
Thallium	Tl	43	0.0792	0.401	0.0582	0.175	28
Vanadium	V	43	5.78	32.4	0.0852	0.119	43
Zinc	Zn	43	14.3	248	0.341	0.475	43
Organic							
Acenaphthene	83-32-9	37	0.0144	0.059	0.0098	0.0505	2
Amino-2,6-dinitrotoluene[4-]	19406-51-0	43	0.354	0.753	0.139	0.151	5
Amino-4,6-dinitrotoluene[2-]	35572-78-2	43	0.274	1.16	0.139	0.151	4
Anthracene	120-12-7	37	0.0119	0.0935	0.0098	0.0505	2
Benzo(a)anthracene	56-55-3	37	0.0255	0.0255	0.0098	0.0505	1
Benzo(a)pyrene	50-32-8	37	0.0226	0.0226	0.0098	0.0505	1

Analyte Name	CAS No.	n	Minimum Detected Value (mg/kg)	Maximum Detected Value (mg/kg)	Minimum Method Detection Limit (mg/kg)	Maximum Method Detection Limit (mg/kg)	Number of Detected Values
Benzo(b)fluoranthene	205-99-2	37	0.061	0.061	0.0098	0.0505	1
Benzo(g,h,i)perylene	191-24-2	37	0.0119	0.0119	0.0098	0.0505	1
Benzo(k)fluoranthene	207-08-9	37	0.0179	0.0179	0.0098	0.0505	1
Benzoic Acid	65-85-0	37	0.228	0.538	0.163	0.841	13
Bis(2-ethylhexyl)phthalate	117-81-7	37	0.0125	3.83	0.0098	0.106	23
Chrysene	218-01-9	37	0.0554	0.0554	0.0098	0.0505	1
Di-n-butylphthalate	84-74-2	37	0.0138	0.0138	0.0098	0.106	1
Fluoranthene	206-44-0	37	0.0133	0.0133	0.0098	0.0505	1
HMX	2691-41-0	43	0.458	24.9	0.139	3.54	12
Indeno(1,2,3-cd)pyrene	193-39-5	37	0.0106	0.0106	0.0098	0.0505	1
Isopropyltoluene[4-]	99-87-6	36	0.000424	0.000424	0.00031	0.000418	1
Perfluorobutanoic acid	375-22-4	31	0.000218	0.000259	0.000178	1.2	3
Perfluorooctanesulfonic acid	1763-23-1	31	0.000224	0.000224	0.000178	0.241	1
Perfluorooctanoic acid	335-67-1	31	0.000896	0.000896	0.000178	0.241	1
Perfluoropentanoic acid	2706-90-3	31	0.000185	0.000185	0.000147	0.199	1
Pyrene	129-00-0	37	0.0129	0.0129	0.0098	0.0505	1
RDX	121-82-4	43	0.193	48.7	0.139	3.71	17
TATB	3058-38-6	43	0.292	11.6	0.278	0.75	19
TCDD TEQ	1746-01-6	53	-	2.17E-04	-	-	-
Total Petroleum Hydrocarbons Diesel Range Organics	TPH-DRO	32	2.18	135	2.11	21.5	28
Trinitrotoluene[2,4,6-]	118-96-7	43	0.158	1.26	0.139	0.151	7

Note: Data are for soils depth interval from 0 to 10'; maximum measured depth was 1.25'.
Data as shown contain field duplicates.
Data shown are for analytes with one or more detected values
Shaded cells indicate the maximum MDL exceeds the maximum detected value
"-" – Not applicable

Table 2-4. Comparison of Maximum Detected Values to Background

SURFACE SOILS (0 TO 1 FOOT DEPTH)									
Parameter Category	**Parameter Name**	**Sample Size (n)**	**Maximum Detected Value (mg/kg)**	**BV (mg/kg)**	**Maximum To BV Ratio**	**Test**	**p-Value**	**H_0**	**Conclude**
Inorganic	Aluminum	37	10400	29200	0.4	NA	NA	NA	NA
	Antimony	37	0.666	0.83	0.8	NA	NA	NA	NA
	Arsenic	47	3.67	8.17	0.4	NA	NA	NA	NA
	Barium	47	3920	295	13.3	WMW	p<0.05	Reject	Site > BKG
	Beryllium	37	1.11	1.83	0.6	NA	NA	NA	NA
	Cadmium	47	0.562	0.4	1.4	Gehan	p>0.05	Do not reject	Site <= BKG
	Calcium	37	5910	6120	1.0	NA	NA	NA	NA
	Chromium	47	12	19.3	0.6	NA	NA	NA	NA
	Cobalt	37	8.14	8.64	0.6	NA	NA	NA	NA
	Copper	37	15.8	14.7	1.1	WMW	p>0.05	Do not reject	Site <= BKG
	Iron	37	16000	21500	0.7	NA	NA	NA	NA
	Lead	47	20.2	22.3	0.9	NA	NA	NA	NA
	Magnesium	37	2460	4610	0.5	NA	NA	NA	NA
	Manganese	37	538	671	0.8	NA	NA	NA	NA
	Mercury	47	0.0664	0.1	0.66	NA	NA	NA	NA
	Nickel	37	9.18	15.4	0.6	NA	NA	NA	NA
	Nitrate	12	18.9	NV	NA	No Background Data - Retain			
	Nitrate as Nitrogen	12	8.32	NV	NA	No Background Data - Retain			
	Perchlorate	31	0.00247	NV	NA	No Background Data - Retain			
	Potassium	37	1780	3460	0.5	NA	NA	NA	NA
	Selenium	47	2.03	1.52	1.3	Gehan	p<0.05	Reject	Site > BKG
	Silver	47	7.95	1	8.0	Gehan	p<0.05	Reject	Site > BKG
	Sodium	37	176	915	0.2	NA	NA	NA	NA
	Thallium	37	0.401	0.73	0.55	NA	NA	NA	NA
	Vanadium	37	32.4	39.6	0.8	NA	NA	NA	NA
	Zinc	37	248	48.8	5.1	WMW	p<0.05	Reject	Site > BKG

Table 2-4. Comparison of Maximum Detected Values to Background, cont.

SUBSURFACE SOILS (0 TO 10 FOOT DEPTH)									
Parameter Category	**Parameter Name**	**Sample Size (n)**	**Maximum Detected Value (mg/kg)**	**BV (mg/kg)**	**Maximum BV Ratio**	**Test**	**p-Value**	**H_0**	**Conclude**
Inorganic	Aluminum	43	12700	29200	0.4	NA	NA	NA	NA
	Antimony	43	0.666	0.83	0.8	NA	NA	NA	NA
	Arsenic	53	3.67	8.17	0.4	NA	NA	NA	NA
	Barium	53	4160	295	14.1	WMW	p<0.05	Reject	Site > BKG
	Beryllium	43	1.11	1.83	0.6	NA	NA	NA	NA
	Cadmium	53	0.562	0.4	1.4	Gehan	p>0.05	Do not reject	Site <=BKG
	Calcium	43	5910	6120	1.0	NA	NA	NA	NA
	Chromium	53	12	19.3	0.6	NA	NA	NA	NA
	Cobalt	43	8.14	8.64	0.6	NA	NA	NA	NA
	Copper	43	15.8	14.7	1.1	WMW	p>0.05	Do not reject	Site <= BKG
	Iron	43	16000	21500	0.7	NA	NA	NA	NA
	Lead	53	20.2	22.3	0.9	NA	NA	NA	NA
	Magnesium	43	2460	4610	0.5	NA	NA	NA	NA
	Manganese	43	538	671	0.8	NA	NA	NA	NA
	Mercury	53	0.0664	0.1	0.7	NA	NA	NA	NA
	Nickel	43	9.18	15.4	0.6	NA	NA	NA	NA
	Nitrate	14	18.9	NV	NA	No Background Data - Retain			
	Nitrate as Nitrogen	16	8.32	NV	NA	No Background Data - Retain			
	Perchlorate	37	0.00247	NV	NA	No Background Data - Retain			
	Potassium	43	1780	3460	0.5	NA	NA	NA	NA
	Selenium	53	2.03	1.52	1.3	WMW	p<0.05	Reject	Site > BKG
	Silver	53	7.95	1	8.0	Gehan	p<0.05	Reject	Site > BKG
	Sodium	43	176	915	0.2	NA	NA	NA	NA
	Thallium	43	0.401	0.73	0.5	NA	NA	NA	NA
	Vanadium	43	32.4	39.6	0.8	NA	NA	NA	NA
	Zinc	43	248	48.8	5.1	WMW	p<0.05	Reject	Site > BKG

Notes: Shaded cells in BV Ratio column indicate maximum exceeds background value
Analytes indicated with shading are carried forward to hypothesis testing
Analytes that exceed background (Site>BKG) or without any background data proceed forward in the risk assessment
There were no soil background data for silver; therefore, the upper and lower tuff data were used to perform hypothesis tests
BV – Background value NA – Not applicable
BKG – Background NV – No value
mg/kg – Milligram per kilogram WMW – Wilcoxon Mann Whitney

Table 2-5. Human Health Screening Results for Maximum Detected Exposure Point Concentrations Greater than Background

SURFACE SOIL (0 T0 1 FOOT DEPTH)					
Parameter Category	**Name**	**Maximum Detected Value (mg/kg)**	**Industrial Worker Cancer Risk**	**Industrial Worker HQ**	**SL-SSL, DAF 20 Ratio**
Inorganic	Barium	3920	-	2E-02	1E+00
	Nitrate	18.9	-	9E-06	4E-02
	Nitrate as Nitrogen	8.32	-	4E-06	2E-02
	Perchlorate	0.00247	-	3E-06	2E-02
	Selenium	2.03	-	3E-04	2E-01
	Silver	7.95	-	1E-03	6E-01
	Zinc	248	-	6E-04	3E-02
Organic	Acenaphthene	0.059	-	1E-06	7E-04
	Amino-2,6-dinitrotoluene[4-]	0.753	-	6E-03	3E+01
	Amino-4,6-dinitrotoluene[2-]	1.16	-	9E-03	5E+01
	Anthracene	0.0935	-	4E-07	1E-04
	Benzo(a)anthracene	0.0255	2E-08	-	8E-02
	Benzo(a)pyrene	0.0226	2E-08	2E-04	1E-02
	Benzo(b)fluoranthene	0.061	2E-08	-	1E-02
	Benzo(g,h,i)perylene	0.0119	-	2E-06	3E-04
	Benzo(k)fluoranthene	0.0179	2E-09	-	8E-04
	Benzoic Acid	0.538	-	3E-07	3E-03
	Bis(2-ethylhexyl)phthalate	3.83	2E-08	2E-04	2E-02
	Chrysene	0.0554	2E-10	-	3E-04
	Fluoranthene	0.0133	-	1E-06	4E-05
	HMX	3.67	-	6E-05	2E-01
	Indeno(1,2,3-cd)pyrene	0.0106	2E-08	-	3E-03
	Isopropyltoluene[4-]	0.000424	-	3E-08	4E-05
	Perfluorobutanoic acid	0.000244	-	-	-
	Perfluorooctanesulfonic acid	0.000224	-	6E-05	1E+00
	Perfluorooctanoic acid	0.000896	2E-11	2E-04	5E-02
	Pyrene	0.0129	-	2E-06	3E-04
	RDX	21.6	5E-07	4E-03	4E+02
	TATB	11.6	-	4E-04	3E-01
	TCDD TEQ	2.17E-04	9E-06	3E-01	1E-02
	Total Petroleum Hydrocarbons Diesel Range Organics	135	-	5E-02	2E-02
	Trinitrotoluene[2,4,6-]	0.859	8E-09	1E-03	1E+00
Cumulative Cancer Risk			**1E-05**		**-**
Hazard Index				**4E-01**	**-**

Table 2-5. Human Health Screening Results for Maximum Detected Exposure Point Concentrations Greater than Background, cont.

SUBSURFACE SOIL (0 T0 10 FOOT DEPTH)						
Name	**Maximum Detected Value (mg/kg)**	**Residential Cancer Risk**	**Residential Noncancer HQ**	**CW Cancer Risk**	**CW Noncancer HQ**	**SL-SSL, DAF 20 Ratio**
Inorganics						
Barium	4160	-	3E-01	-	9E-01	2E+00
Nitrate	18.9	-	2E-04	-	3E-05	4E-02
Nitrate as Nitrogen	8.32	-	7E-05	-	1E-05	2E-02
Perchlorate	0.00247	-	5E-05	-	1E-05	2E-02
Selenium	2.03	-	5E-03	-	1E-03	2E-01
Silver	7.95	-	2E-02	-	4E-03	6E-01
Zinc	248	-	1E-02	-	2E-03	3E-02
Organics						
Acenaphthene	0.059	-	2E-05	-	4E-06	7E-04
Amino-2,6-dinitrotoluene[4-]	0.753	-	1E-01	-	4E-02	3E+01
Amino-4,6-dinitrotoluene[2-]	1.16	-	2E-01	-	7E-02	5E+01
Anthracene	0.0935	-	5E-06	-	1E-06	1E-04
Benzo(a)anthracene	0.0255	3E-07	-	2E-09	-	8E-02
Benzo(a)pyrene	0.0226	5E-07	3E-03	3E-09	3E-03	1E-02
Benzo(b)fluoranthene	0.061	4E-07	-	3E-09	-	1E-02
Benzo(g,h,i)perylene	0.0119	-	3E-05	-	7E-06	3E-04
Benzo(k)fluoranthene	0.0179	3E-08	-	2E-10	-	8E-04
Benzoic Acid	0.538	-	3E-06	-	8E-07	3E-03
Bis(2-ethylhexyl)phthalate	3.83	1E-07	3E-03	3E-09	7E-04	2E-02
Chrysene	0.0554	4E-09	-	2E-11	-	3E-04
Di-n-butylphthalate	0.0138	-	2E-05	-	4E-06	3E-03
Fluoranthene	0.0133	-	2E-05	-	5E-06	4E-05
HMX	24.9	-	6E-03	-	1E-03	1E+00
Indeno(1,2,3-cd)pyrene	0.0106	3E-07	-	2E-09	-	3E-03
Isopropyltoluene[4-]	0.000424	-	2E-07	-	2E-07	4E-05
Perfluorobutanoic acid	0.000259	-	-	-	-	-
Perfluorooctanesulfonic acid	0.000224	-	1E-03	-	3E-04	1E+00
Perfluorooctanoic acid	0.000896	1E-10	5E-03	3E-12	1E-03	5E-02
Perfluoropentanoic acid	0.000185	-	-	-	-	-
Pyrene	0.0129	-	3E-05	-	7E-06	3E-04
RDX	48.7	6E-06	2E-01	2E-07	4E-02	8E+02
TATB	11.6	-	5E-03	-	1E-03	3E-01
TCDD TEQ	2.17E-04	4E-05	4E+00	1E-06	1E+00	1E+00
TPH DRO	135	-	7E-02	-	5E-02	2E-02
Trinitrotoluene[2,4,6-]	1.26	6E-08	4E-02	2E-09	8E-03	1E+00
Cumulative Cancer Risk		**5E-05**		**1E-06**		
Hazard Index			**5E+00**		**2E+00**	

Notes:
Shaded cells indicate cancer risk or HQ exceeds target
CW – Construction worker
HQ – Noncancer hazard quotient
mg/kg – milligram per kilogram
- No value
TPH DRO – Total petroleum hydrocarbons diesel range organics
SL-SSL, DAF 20 – Migration to groundwater screening level at a dilution attenuation factor of 20

Table 2-6. Human Health TEFs

Category	Name	TEF	CAS
Chlorinated dibenzo-p-dioxins	2,3,7,8-TCDD	1	1746-01-6
	1,2,3,7,8-PeCDD	1	40321-76-4
	1,2,3,4,7,8-HxCDD	0.1	39227-28-6
	1,2,3,6,7,8-HxCDD	0.1	57653-85-7
	1,2,3,7,8,9-HxCDD	0.1	19408-74-3
	1,2,3,4,6,7,8-HpCDD	0.01	35822-46-9
Chlorinated dibenzofurans	OCDD	0.0003	3268-87-9
	2,3,7,8-TCDF	0.1	51207-31-9
	1,2,3,7,8-PeCDF	0.03	57117-41-6
	2,3,4,7,8-PeCDF	0.3	57117-31-4
	1,2,3,4,7,8-HxCDF	0.1	70648-26-9
	1,2,3,6,7,8-HxCDF	0.1	57653-85-7
	1,2,3,7,8,9-HxCDF	0.1	72918-21-9
	2,3,4,6,7,8-HxCDF	0.1	60851-34-5
	1,2,3,4,6,7,8-HpCDF	0.01	67562-39-4
	1,2,3,4,7,8,9-HpCDF	0.01	55673-89-7
	OCDF	0.0003	39001-02-0

Source: NMED (2022), EPA (2010b).
CAS – Chemical Abstract System Number
TEF – Toxicity Equivalency Factor

Table 2-7. Dioxin and Furan Soil Data and TEQ Calculations by Sample

Parameter Name	SFB-23-295629		SFB-23-295630		SFB-23-295631		SFB-23-295632		SFB-23-295634		SFB-23-295636		SFB-23-295635		SFB-23-295637		SFB-23-295638		SFB-23-295639	
	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	3.75E-05	1	4.12E-06	1	1.83E-04	1	2.57E-04	1	1.20E-06	1	1.24E-05	1	1.67E-05	1	9.36E-05	1	1.22E-04	1	5.65E-03	1
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	1.70E-05	1	1.86E-06	1	6.09E-05	1	7.92E-05	1	7.02E-07	1	4.00E-06	1	5.76E-06	1	3.19E-05	1	4.04E-05	1	1.86E-03	1
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.27E-06	1	1.18E-06	0	3.33E-06	1	5.38E-06	1	1.18E-06	0	1.18E-06	0	5.96E-07	1	1.81E-06	1	2.66E-06	1	1.08E-04	1
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	1.01E-06	1	1.24E-06	0	3.90E-06	1	3.31E-06	1	1.24E-06	0	1.24E-06	0	8.16E-07	1	1.94E-06	1	2.48E-06	1	1.34E-04	1
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	1.47E-06	1	1.15E-06	0	7.21E-06	1	9.13E-06	1	1.15E-06	0	6.96E-07	1	8.96E-07	1	3.60E-06	1	4.33E-06	1	2.21E-04	1
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.60E-06	1	1.34E-06	0	7.79E-06	1	8.40E-06	1	1.35E-06	0	6.53E-07	1	9.56E-07	1	4.51E-06	1	5.23E-06	1	2.53E-04	1
Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.97E-06	1	5.32E-07	1	2.92E-06	1	3.51E-06	1	1.13E-06	0	9.73E-07	1	1.24E-06	1	1.51E-06	1	1.68E-06	1	5.97E-05	1
Hexachlorodibenzofuran[1,2,3,6,7,8-]	1.35E-06	1	9.91E-07	0	3.32E-06	1	3.04E-06	1	9.96E-07	0	9.93E-07	0	6.94E-07	1	1.29E-06	1	1.55E-06	1	6.66E-05	1
Hexachlorodibenzofuran[1,2,3,7,8,9-]	1.39E-06	0	1.39E-06	0	1.38E-06	0	1.39E-06	0	1.39E-06	0	1.39E-06	0	1.40E-06	0	1.39E-06	0	1.40E-06	0	6.82E-06	1
Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.69E-06	1	1.20E-06	0	3.84E-06	1	3.83E-06	1	1.20E-06	0	6.21E-07	1	9.38E-07	1	1.69E-06	1	1.93E-06	1	9.98E-05	1
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	2.45E-04	1	2.40E-05	1	1.02E-03	1	1.35E-03	1	5.76E-06	1	6.64E-05	1	9.23E-05	1	6.09E-04	1	7.68E-04	1	3.14E-02	1
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	2.65E-05	1	3.00E-06	1	1.09E-04	1	2.03E-04	1	4.64E-06	0	5.74E-06	1	7.91E-06	1	5.38E-05	1	7.66E-05	1	3.57E-03	1
Pentachlorodibenzodioxin[1,2,3,7,8-]	5.48E-07	1	1.29E-06	0	1.66E-06	1	1.15E-06	1	1.30E-06	0	1.30E-06	0	5.86E-07	1	8.81E-07	1	9.21E-07	1	4.09E-05	1
Pentachlorodibenzofuran[1,2,3,7,8-]	1.38E-06	1	1.14E-06	0	1.44E-06	1	1.03E-06	1	1.15E-06	0	9.25E-07	1	1.31E-06	1	8.69E-07	1	1.31E-06	1	5.99E-06	1
Pentachlorodibenzofuran[2,3,4,7,8-]	1.27E-06	1	1.28E-06	0	1.21E-06	1	8.81E-07	1	1.29E-06	0	5.95E-07	1	8.08E-07	1	1.29E-06	0	1.29E-06	0	9.03E-06	1
Tetrachlorodibenzodioxin[2,3,7,8-]	2.65E-07	0	2.65E-07	0	4.64E-07	1	2.66E-07	0	2.66E-07	0	2.65E-07	0	2.66E-07	0	3.85E-07	1	4.34E-07	1	2.51E-06	1
Tetrachlorodibenzofuran[2,3,7,8-]	4.00E-07	0	3.98E-07	0	9.55E-07	1	7.18E-07	1	4.00E-07	0	3.99E-07	0	4.01E-07	0	3.99E-07	0	4.01E-07	0	2.00E-06	0
Congener Name	**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**	
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	3.75E-07		4.12E-08		1.83E-06		2.57E-06		1.20E-08		1.24E-07		1.67E-07		9.36E-07		1.22E-06		5.65E-05	
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	1.70E-07		1.86E-08		6.09E-07		7.92E-07		7.02E-09		4.00E-08		5.76E-08		3.19E-07		4.04E-07		1.86E-05	
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.27E-08		1.18E-08		3.33E-08		5.38E-08		1.18E-08		1.18E-08		5.96E-09		1.81E-08		2.66E-08		1.08E-06	
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	1.01E-07		1.24E-07		3.90E-07		3.31E-07		1.24E-07		1.24E-07		8.16E-08		1.94E-07		2.48E-07		1.34E-05	
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	1.47E-07		1.15E-07		7.21E-07		9.13E-07		1.15E-07		6.96E-08		8.96E-08		3.60E-07		4.33E-07		2.21E-05	
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.60E-07		1.34E-07		7.79E-07		8.40E-07		1.35E-07		6.53E-08		9.56E-08		4.51E-07		5.23E-07		2.53E-05	
Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.97E-07		5.32E-08		2.92E-07		3.51E-07		1.13E-07		9.73E-08		1.24E-07		1.51E-07		1.68E-07		5.97E-06	
Hexachlorodibenzofuran[1,2,3,6,7,8-]	1.35E-07		9.91E-08		3.32E-07		3.04E-07		9.96E-08		9.93E-08		6.94E-08		1.29E-07		1.55E-07		6.66E-06	
Hexachlorodibenzofuran[1,2,3,7,8,9-]	1.39E-07		1.39E-07		1.38E-07		1.39E-07		1.39E-07		1.39E-07		1.40E-07		1.39E-07		1.40E-07		6.82E-07	
Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.69E-07		1.20E-07		3.84E-07		3.83E-07		1.20E-07		6.21E-08		9.38E-08		1.69E-07		1.93E-07		9.98E-06	
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	7.35E-08		7.20E-09		3.06E-07		4.05E-07		1.73E-09		1.99E-08		2.77E-08		1.83E-07		2.30E-07		9.42E-06	
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	7.95E-09		9.00E-10		3.27E-08		6.09E-08		1.39E-09		1.72E-09		2.37E-09		1.61E-08		2.30E-08		1.07E-06	
Pentachlorodibenzodioxin[1,2,3,7,8-]	5.48E-07		1.29E-06		1.66E-06		1.15E-06		1.30E-06		1.30E-06		5.86E-07		8.81E-07		9.21E-07		4.09E-05	
Pentachlorodibenzofuran[1,2,3,7,8-]	4.14E-08		3.42E-08		4.32E-08		3.09E-08		3.45E-08		2.78E-08		3.93E-08		2.61E-08		3.93E-08		1.80E-07	
Pentachlorodibenzofuran[2,3,4,7,8-]	3.81E-07		3.84E-07		3.63E-07		2.64E-07		3.87E-07		1.79E-07		2.42E-07		3.87E-07		3.87E-07		2.71E-06	
Tetrachlorodibenzodioxin[2,3,7,8-]	2.65E-07		2.65E-07		4.64E-07		2.66E-07		2.66E-07		2.65E-07		2.66E-07		3.85E-07		4.34E-07		2.51E-06	
Tetrachlorodibenzofuran[2,3,7,8-]	4.00E-08		3.98E-08		9.55E-08		7.18E-08		4.00E-08		3.99E-08		4.01E-08		3.99E-08		4.01E-08		2.00E-07	
	2.96E-06		***2.88E-06***		***8.47E-06***		***8.93E-06***		***2.91E-06***		***2.67E-06***		***2.13E-06***		***4.78E-06***		***5.59E-06***		***2.17E-04***	

Table 2-7. Dioxin and Furan Soil Data and TEQ Calculations by Sample, cont.

Parameter Name	SFB-23-295640		SFB-23-295641		SFB-23-295642		SFB-23-295643		SFB-23-295644		SFB-23-295647		SFB-23-295648		SFB-23-295649		SFB-23-295650		SFB-23-295651	
	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code
Heptachlorodibenzodioxin[1,2,3,4,6,7,8	2.48E-03	1	1.13E-05	1	1.57E-05	1	1.80E-06	1	2.27E-06	0	6.03E-07	1	3.76E-05	1	1.40E-06	1	1.10E-05	1	7.44E-05	1
Heptachlorodibenzofuran[1,2,3,4,6,7,8-	8.42E-04	1	4.66E-06	1	7.53E-06	1	9.57E-07	1	1.22E-06	0	5.36E-07	1	1.26E-05	1	6.35E-07	1	4.13E-06	1	2.78E-05	1
Heptachlorodibenzofuran[1,2,3,4,7,8,9-	5.02E-05	1	1.19E-06	0	5.42E-07	1	1.17E-06	0	1.18E-06	0	1.17E-06	0	1.71E-06	1	1.17E-06	0	1.17E-06	0	1.54E-06	1
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	5.41E-05	1	1.25E-06	0	1.24E-06	0	1.22E-06	0	1.24E-06	0	1.23E-06	0	7.24E-07	1	1.23E-06	0	1.23E-06	0	1.63E-06	1
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	9.63E-05	1	1.15E-06	0	6.98E-07	1	1.13E-06	0	1.14E-06	0	1.14E-06	0	1.00E-06	1	1.14E-06	0	1.14E-06	0	3.15E-06	1
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.05E-04	1	5.68E-07	1	6.84E-07	1	1.33E-06	0	1.34E-06	0	1.34E-06	0	7.63E-07	1	1.33E-06	0	1.33E-06	0	3.39E-06	1
Hexachlorodibenzofuran[1,2,3,4,7,8-]	2.56E-05	1	1.14E-06	0	8.77E-07	1	1.12E-06	0	1.13E-06	0	1.12E-06	0	1.09E-06	0	1.12E-06	0	1.12E-06	0	1.96E-06	1
Hexachlorodibenzofuran[1,2,3,6,7,8-]	2.72E-05	1	9.99E-07	0	9.95E-07	0	9.81E-07	0	9.91E-07	0	9.86E-07	0	9.57E-07	0	9.84E-07	0	9.83E-07	0	1.54E-06	1
Hexachlorodibenzofuran[1,2,3,7,8,9-]	3.51E-06	1	1.40E-06	0	1.39E-06	0	1.37E-06	0	1.39E-06	0	1.38E-06	0	1.34E-06	0	1.38E-06	0	1.37E-06	0	1.38E-06	0
Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.29E-05	1	1.21E-06	0	6.82E-07	1	1.18E-06	0	1.20E-06	0	1.19E-06	0	1.16E-06	0	1.19E-06	0	1.19E-06	0	1.89E-06	1
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9	1.30E-02	1	6.40E-05	1	1.12E-04	1	8.82E-06	1	3.49E-06	0	3.23E-06	1	4.20E-04	1	6.23E-06	1	6.48E-05	1	4.61E-04	1
Octachlorodibenzofuran[1,2,3,4,6,7,8,9	1.61E-03	1	5.51E-06	1	1.46E-05	1	1.23E-06	1	4.62E-06	0	4.59E-06	0	1.12E-04	1	4.58E-06	0	5.41E-06	1	5.04E-05	1
Pentachlorodibenzodioxin[1,2,3,7,8-]	1.72E-05	1	1.30E-06	0	1.30E-06	0	1.28E-06	0	1.29E-06	0	1.29E-06	0	1.25E-06	0	1.28E-06	0	1.28E-06	0	8.71E-07	1
Pentachlorodibenzofuran[1,2,3,7,8-]	2.57E-06	1	1.15E-06	0	9.01E-07	1	1.13E-06	0	1.14E-06	0	1.14E-06	0	1.10E-06	0	1.14E-06	0	1.13E-06	0	1.46E-06	1
Pentachlorodibenzofuran[2,3,4,7,8-]	3.76E-06	1	1.29E-06	0	1.29E-06	0	1.27E-06	0	1.28E-06	0	1.28E-06	0	1.24E-06	0	1.27E-06	0	1.27E-06	0	6.77E-07	1
Tetrachlorodibenzodioxin[2,3,7,8-]	9.72E-07	1	2.67E-07	0	2.66E-07	0	2.62E-07	0	2.64E-07	0	2.63E-07	0	2.55E-07	0	2.63E-07	0	2.62E-07	0	2.64E-07	0
Tetrachlorodibenzofuran[2,3,7,8-]	2.00E-06	0	4.01E-07	0	4.00E-07	0	3.94E-07	0	3.98E-07	0	3.96E-07	0	3.84E-07	0	3.95E-07	0	3.54E-07	1	5.82E-07	1
Congener Name	**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**	
Heptachlorodibenzodioxin[1,2,3,4,6,7,8	2.48E-05		1.13E-07		1.57E-07		1.80E-08		2.27E-08		6.03E-09		3.76E-07		1.40E-08		1.10E-07		7.44E-07	
Heptachlorodibenzofuran[1,2,3,4,6,7,8-	8.42E-06		4.66E-08		7.53E-08		9.57E-09		1.22E-08		5.36E-09		1.26E-07		6.35E-09		4.13E-08		2.78E-07	
Heptachlorodibenzofuran[1,2,3,4,7,8,9-	5.02E-07		1.19E-08		5.42E-09		1.17E-08		1.18E-08		1.17E-08		1.71E-08		1.17E-08		1.17E-08		1.54E-08	
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	5.41E-06		1.25E-07		1.24E-07		1.22E-07		1.24E-07		1.23E-07		7.24E-08		1.23E-07		1.23E-07		1.63E-07	
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	9.63E-06		1.15E-07		6.98E-08		1.13E-07		1.14E-07		1.14E-07		1.00E-07		1.14E-07		1.14E-07		3.15E-07	
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.05E-05		5.68E-08		6.84E-08		1.33E-07		1.34E-07		1.34E-07		7.63E-08		1.33E-07		1.33E-07		3.39E-07	
Hexachlorodibenzofuran[1,2,3,4,7,8-]	2.56E-06		1.14E-07		8.77E-08		1.12E-07		1.13E-07		1.12E-07		1.09E-07		1.12E-07		1.12E-07		1.96E-07	
Hexachlorodibenzofuran[1,2,3,6,7,8-]	2.72E-06		9.99E-08		9.95E-08		9.81E-08		9.91E-08		9.86E-08		9.57E-08		9.84E-08		9.83E-08		1.54E-07	
Hexachlorodibenzofuran[1,2,3,7,8,9-]	3.51E-07		1.40E-07		1.39E-07		1.37E-07		1.39E-07		1.38E-07		1.34E-07		1.38E-07		1.37E-07		1.38E-07	
Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.29E-06		1.21E-07		6.82E-08		1.18E-07		1.20E-07		1.19E-07		1.16E-07		1.19E-07		1.19E-07		1.89E-07	
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9	3.90E-06		1.92E-08		3.36E-08		2.65E-09		1.05E-09		9.69E-10		1.26E-07		1.87E-09		1.94E-08		1.38E-07	
Octachlorodibenzofuran[1,2,3,4,6,7,8,9	4.83E-07		1.65E-09		4.38E-09		3.69E-10		1.39E-09		1.38E-09		3.36E-08		1.37E-09		1.62E-09		1.51E-08	
Pentachlorodibenzodioxin[1,2,3,7,8-]	1.72E-05		1.30E-06		1.30E-06		1.28E-06		1.29E-06		1.29E-06		1.25E-06		1.28E-06		1.28E-06		8.71E-07	
Pentachlorodibenzofuran[1,2,3,7,8-]	7.71E-08		3.45E-08		2.70E-08		3.39E-08		3.42E-08		3.42E-08		3.30E-08		3.42E-08		3.39E-08		4.38E-08	
Pentachlorodibenzofuran[2,3,4,7,8-]	1.13E-06		3.87E-07		3.87E-07		3.81E-07		3.84E-07		3.84E-07		3.72E-07		3.81E-07		3.81E-07		2.03E-07	
Tetrachlorodibenzodioxin[2,3,7,8-]	9.72E-07		2.67E-07		2.66E-07		2.62E-07		2.64E-07		2.63E-07		2.55E-07		2.63E-07		2.62E-07		2.64E-07	
Tetrachlorodibenzofuran[2,3,7,8-]	2.00E-07		4.01E-08		4.00E-08		3.94E-08		3.98E-08		3.96E-08		3.84E-08		3.95E-08		3.54E-08		5.82E-08	
	9.31E-05		**2.99E-06**		**2.95E-06**		**2.87E-06**		**2.90E-06**		**2.87E-06**		**3.33E-06**		**2.87E-06**		**3.01E-06**		**4.12E-06**	

Table 2-7. Dioxin and Furan Soil Data and TEQ Calculations by Sample, cont.

Parameter Name	09RCRA695		09RCRA697		09RCRA699		09RCRA701		09RCRA703		09RCRA705		09RCRA707		09RCRA709	
	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	4.50E-06	1	8.35E-06	1	1.31E-05	1	8.37E-06	1	3.67E-05	1	3.66E-05	1	2.01E-05	1	3.23E-05	1
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	2.33E-06	1	3.50E-06	1	4.30E-06	1	3.05E-06	1	1.27E-05	1	1.13E-05	1	7.27E-06	1	8.71E-06	1
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.36E-07	0	4.44E-07	0	4.48E-07	0	4.66E-07	0	1.02E-06	1	9.20E-07	1	7.30E-07	1	7.41E-07	1
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.36E-07	0	4.44E-07	0	4.48E-07	0	4.66E-07	0	7.33E-07	1	7.41E-07	1	4.44E-07	0	7.71E-07	1
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.36E-07	0	4.67E-07	1	5.61E-07	1	4.66E-07	0	1.58E-06	1	1.40E-06	1	7.53E-07	1	1.28E-06	1
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.36E-07	0					4.66E-07	0	1.65E-06	1	1.49E-06	1	8.03E-07	1		
Hexachlorodibenzofuran[1,2,3,4,7,8-]	6.73E-07	1	5.88E-07	1	5.83E-07	1	4.66E-07	0	9.55E-07	1	7.64E-07	1	7.87E-07	1	7.66E-07	1
Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.36E-07	0	4.53E-07	1	4.82E-07	1	4.66E-07	0	8.90E-07	1			7.41E-07	1	7.37E-07	1
Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.36E-07	0	4.44E-07	0	4.48E-07	0	4.66E-07	0	4.64E-07	0	4.60E-07	0	4.44E-07	0	4.44E-07	0
Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.36E-07	0	6.30E-07	1	5.67E-07	1	4.66E-07	0	1.13E-06	1	9.33E-07	1			8.63E-07	1
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3.41E-05	1	8.61E-05	1	1.02E-04	1	5.06E-05	1	2.09E-04	1	2.08E-04	1	1.29E-04	1	1.85E-04	1
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	3.98E-06	1	1.25E-05	1	1.27E-05	1	5.82E-06	1	2.93E-05	1	2.79E-05	1	1.95E-05	1	2.19E-05	1
Pentachlorodibenzodioxin[1,2,3,7,8-]	4.36E-07	0	4.44E-07	0	4.48E-07	0	4.66E-07	0	4.64E-07	0	4.60E-07	0	4.44E-07	0		
Pentachlorodibenzofuran[1,2,3,7,8-]	1.59E-06	1	4.83E-07	1	8.30E-07	1	4.66E-07	0	4.64E-07	0	4.60E-07	0	5.72E-07	1	4.76E-07	1
Pentachlorodibenzofuran[2,3,4,7,8-]	4.36E-07	0	5.13E-07	1	4.48E-07	0	4.66E-07	0	4.66E-07	1	4.60E-07	0	6.77E-07	1		
Tetrachlorodibenzodioxin[2,3,7,8-]	9.11E-08	0	1.03E-07	1	1.33E-07	1	9.37E-08	0	6.18E-07	1	1.11E-07	0			5.49E-07	1
Tetrachlorodibenzofuran[2,3,7,8-]	3.14E-06	1	6.59E-07	1			1.14E-06	1	1.82E-07	0	5.45E-07	1			5.95E-07	1
Congener Name	**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**	
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	4.50E-08		8.35E-08		1.31E-07		8.37E-08		3.67E-07		3.66E-07		2.01E-07		3.23E-07	
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	2.33E-08		3.50E-08		4.30E-08		3.05E-08		1.27E-07		1.13E-07		7.27E-08		8.71E-08	
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.36E-09		4.44E-09		4.48E-09		4.66E-09		1.02E-08		9.20E-09		7.30E-09		7.41E-09	
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.36E-08		4.44E-08		4.48E-08		4.66E-08		7.33E-08		7.41E-08		4.44E-08		7.71E-08	
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.36E-08		4.67E-08		5.61E-08		4.66E-08		1.58E-07		1.40E-07		7.53E-08		1.28E-07	
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.36E-08		0.00E+00		0.00E+00		4.66E-08		1.65E-07		1.49E-07		8.03E-08		0.00E+00	
Hexachlorodibenzofuran[1,2,3,4,7,8-]	6.73E-08		5.88E-08		5.83E-08		4.66E-08		9.55E-08		7.64E-08		7.87E-08		7.66E-08	
Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.36E-08		4.53E-08		4.82E-08		4.66E-08		8.90E-08		0.00E+00		7.41E-08		7.37E-08	
Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.36E-08		4.44E-08		4.48E-08		4.66E-08		4.64E-08		4.60E-08		4.44E-08		4.44E-08	
Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.36E-08		6.30E-08		5.67E-08		4.66E-08		1.13E-07		9.33E-08		0.00E+00		8.63E-08	
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.02E-08		2.58E-08		3.06E-08		1.52E-08		6.27E-08		6.24E-08		3.87E-08		5.55E-08	
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.19E-09		3.75E-09		3.81E-09		1.75E-09		8.79E-09		8.37E-09		5.85E-09		6.57E-09	
Pentachlorodibenzodioxin[1,2,3,7,8-]	4.36E-07		4.44E-07		4.48E-07		4.66E-07		4.64E-07		4.60E-07		4.44E-07		0.00E+00	
Pentachlorodibenzofuran[1,2,3,7,8-]	4.77E-08		1.45E-08		2.49E-08		1.40E-08		1.39E-08		1.38E-08		1.72E-08		1.43E-08	
Pentachlorodibenzofuran[2,3,4,7,8-]	1.31E-07		1.54E-07		1.34E-07		1.40E-07		1.40E-07		1.38E-07		2.03E-07		0.00E+00	
Tetrachlorodibenzodioxin[2,3,7,8-]	9.11E-08		1.03E-07		1.33E-07		9.37E-08		6.18E-07		1.11E-07		0.00E+00		5.49E-07	
Tetrachlorodibenzofuran[2,3,7,8-]	3.14E-07		6.59E-08		0.00E+00		1.14E-07		1.82E-08		5.45E-08		0.00E+00		5.95E-08	
TEQ	**1.43E-06**		**1.24E-06**		**1.26E-06**		**1.29E-06**		**2.57E-06**		**1.92E-06**		**1.39E-06**		**1.59E-06**	

Table 2-7. Dioxin and Furan Soil Data and TEQ Calculations by Sample, cont.

Parameter Name	09RCRA711		09RCRA731		RE16-12-17672		RE16-12-17678		RE16-12-17679		RE16-12-17680		WST16-13-29794		WST16-19-181361		WST16-19-181362		WST16-19-181363	
	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code
Heptachlorodibenzodioxin[1,2,3,4,6,7,8	9.00E-04	1	5.93E-06	1	1.20E-05	1	1.49E-05	1	8.02E-05	1	1.70E-03	1	9.21E-05	1	2.15E-05	1	2.40E-05	1	6.19E-06	1
Heptachlorodibenzofuran[1,2,3,4,6,7,8-	2.88E-04	1	2.02E-06	1	5.75E-06	1	2.94E-06	1	2.57E-05	1	5.61E-04	1	3.96E-05	1	9.10E-06	1	5.40E-06	1	1.22E-06	1
Heptachlorodibenzofuran[1,2,3,4,7,8,9-	1.92E-05	1	4.42E-07	0	1.73E-06	0	1.71E-06	0	1.50E-06	1	3.30E-05	1	1.97E-06	1	5.71E-07	1	1.58E-06	0	1.57E-06	0
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	1.79E-05	1	4.42E-07	0	1.73E-06	0	1.71E-06	0	1.61E-06	1	3.08E-05	1	2.45E-06	1	7.03E-07	1	5.72E-07	1	1.57E-06	0
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	3.33E-05	1	4.42E-07	0	8.23E-07	1	7.55E-07	1	3.69E-06	1	7.18E-05	1	4.76E-06	1	1.13E-06	1	8.53E-07	1	1.57E-06	0
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.07E-05	1	4.42E-07	0	1.73E-06	0	6.99E-07	1	4.34E-06	1	8.71E-05	1	5.94E-06	1	1.04E-06	1	7.43E-07	1	1.57E-06	0
Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.21E-05	1	4.42E-07	0	9.68E-07	1	1.71E-06	0	9.85E-07	1	1.69E-05	1	1.15E-06	1	8.72E-07	1	8.57E-07	1	1.57E-06	0
Hexachlorodibenzofuran[1,2,3,6,7,8-]	1.44E-05	1	4.42E-07	0	9.02E-07	1	1.71E-06	0	1.32E-06	1	2.23E-05	1	1.87E-06	1	7.59E-07	1	1.58E-06	0	1.57E-06	0
Hexachlorodibenzofuran[1,2,3,7,8,9-]	2.02E-06	1	4.42E-07	0	1.73E-06	0	1.71E-06	0	1.71E-06	0	2.88E-06	1	1.69E-06	0	1.55E-06	0	1.58E-06	0	1.57E-06	0
Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.78E-05	1	4.42E-07	0	7.80E-07	1	1.71E-06	0	1.57E-06	1	2.66E-05	1	2.21E-06	1	1.03E-06	1	1.58E-06	0	1.57E-06	0
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9	4.80E-03	1	3.18E-05	1	6.68E-05	1	1.09E-04	1	4.81E-04	1			5.63E-04	1	1.26E-04	1	1.71E-04	1	4.61E-05	1
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-	6.57E-04	1	3.64E-06	1	8.05E-06	1	1.01E-05	1	4.94E-05	1	1.28E-03	1	6.17E-05	1	1.45E-05	1	1.93E-05	1	4.89E-06	1
Pentachlorodibenzodioxin[1,2,3,7,8-]	6.99E-06	1	4.42E-07	0	1.73E-06	0	1.71E-06	0	8.39E-07	1	1.11E-05	1	6.20E-07	1	1.55E-06	0	1.58E-06	0	1.57E-06	0
Pentachlorodibenzofuran[1,2,3,7,8-]	1.65E-06	1	4.42E-07	0	7.01E-07	1	1.71E-06	0	6.50E-07	1	1.77E-06	1	1.69E-06	0	6.81E-07	1	8.34E-07	1	1.57E-06	0
Pentachlorodibenzofuran[2,3,4,7,8-]	1.97E-06	1	4.42E-07	0	1.73E-06	0	1.71E-06	0	1.71E-06	0	3.00E-06	1	1.69E-06	0	1.55E-06	0	1.58E-06	0	1.57E-06	0
Tetrachlorodibenzodioxin[2,3,7,8-]	1.34E-06	1	4.61E-07	1	3.46E-07	0	3.44E-07	0	4.17E-07	1	1.49E-06	1	3.38E-07	0	3.10E-07	0	2.10E-07	1	3.12E-07	0
Tetrachlorodibenzofuran[2,3,7,8-]	1.51E-06	1	2.45E-07	1	3.46E-07	0	3.44E-07	0	3.43E-07	0	3.43E-07	0	3.38E-07	0	3.10E-07	0	3.16E-07	0	3.12E-07	0
Congener Name	**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**	
Heptachlorodibenzodioxin[1,2,3,4,6,7,8	9.00E-06		5.93E-08		1.20E-07		1.49E-07		8.02E-07		1.70E-05		9.21E-07		2.15E-07		2.40E-07		6.19E-08	
Heptachlorodibenzofuran[1,2,3,4,6,7,8-	2.88E-06		2.02E-08		5.75E-08		2.94E-08		2.57E-07		5.61E-06		3.96E-07		9.10E-08		5.40E-08		1.22E-08	
Heptachlorodibenzofuran[1,2,3,4,7,8,9-	1.92E-07		4.42E-09		1.73E-08		1.71E-08		1.50E-08		3.30E-07		1.97E-08		5.71E-09		1.58E-08		1.57E-08	
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	1.79E-06		4.42E-08		1.73E-07		1.71E-07		1.61E-07		3.08E-06		2.45E-07		7.03E-08		5.72E-08		1.57E-07	
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	3.33E-06		4.42E-08		8.23E-08		7.55E-08		3.69E-07		7.18E-06		4.76E-07		1.13E-07		8.53E-08		1.57E-07	
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.07E-06		4.42E-08		1.73E-07		6.99E-08		4.34E-07		8.71E-06		5.94E-07		1.04E-07		7.43E-08		1.57E-07	
Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.21E-06		4.42E-08		9.68E-08		1.71E-07		9.85E-08		1.69E-06		1.15E-07		8.72E-08		8.57E-08		1.57E-07	
Hexachlorodibenzofuran[1,2,3,6,7,8-]	1.44E-06		4.42E-08		9.02E-08		1.71E-07		1.32E-07		2.23E-06		1.87E-07		7.59E-08		1.58E-07		1.57E-07	
Hexachlorodibenzofuran[1,2,3,7,8,9-]	2.02E-07		4.42E-08		1.73E-07		1.71E-07		1.71E-07		2.88E-07		1.69E-07		1.55E-07		1.58E-07		1.57E-07	
Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.78E-06		4.42E-08		7.80E-08		1.71E-07		1.57E-07		2.66E-06		2.21E-07		1.03E-07		1.58E-07		1.57E-07	
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9	1.44E-06		9.54E-09		2.00E-08		3.27E-08		1.44E-07		0.00E+00		1.69E-07		3.78E-08		5.13E-08		1.38E-08	
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-	1.97E-07		1.09E-09		2.42E-09		3.03E-09		1.48E-08		3.84E-07		1.85E-08		4.35E-09		5.79E-09		1.47E-09	
Pentachlorodibenzodioxin[1,2,3,7,8-]	6.99E-06		4.42E-07		1.73E-06		1.71E-06		8.39E-07		1.11E-05		6.20E-07		1.55E-06		1.58E-06		1.57E-06	
Pentachlorodibenzofuran[1,2,3,7,8-]	4.95E-08		1.33E-08		2.10E-08		5.13E-08		1.95E-08		5.31E-08		5.07E-08		2.04E-08		2.50E-08		4.71E-08	
Pentachlorodibenzofuran[2,3,4,7,8-]	5.91E-07		1.33E-07		5.19E-07		5.13E-07		5.13E-07		9.00E-07		5.07E-07		4.65E-07		4.74E-07		4.71E-07	
Tetrachlorodibenzodioxin[2,3,7,8-]	1.34E-06		4.61E-07		3.46E-07		3.44E-07		4.17E-07		1.49E-06		3.38E-07		3.10E-07		2.10E-07		3.12E-07	
Tetrachlorodibenzofuran[2,3,7,8-]	1.51E-07		2.45E-08		3.46E-08		3.44E-08		3.43E-08		3.43E-08		3.38E-08		3.10E-08		3.16E-08		3.12E-08	
	3.67E-05		**1.48E-06**		**3.73E-06**		**3.88E-06**		**4.58E-06**		**6.27E-05**		**5.08E-06**		**3.44E-06**		3.46E-06		**3.64E-06**	

Table 2-7. Dioxin and Furan Soil Data and TEQ Calculations by Sample, cont.

Parameter Name	WST16-19-181364		WST16-19-181365		WST16-19-181366		WST16-19-181368		WST16-22-237994		WST16-22-237995		WST16-22-238006		WST16-22-238007		WST16-22-238008		WST16-22-238009	
	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.99E-04	1	2.10E-05	1	1.01E-05	1	2.98E-06	1	6.40E-06	1	1.93E-04	1	6.34E-05	1	3.40E-06	1	1.82E-04	1	4.27E-04	1
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	5.96E-05	1	6.41E-06	1	3.30E-06	1	2.60E-06	1	2.90E-06	1	6.95E-05	1	2.11E-05	1	1.35E-06	1	5.76E-05	1	1.40E-04	1
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	3.26E-06	1	1.62E-06	0	1.50E-06	0	1.61E-06	0	4.77E-07	0	3.82E-06	1	1.53E-06	1	4.45E-07	0	3.55E-06	1	8.42E-06	1
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.13E-06	1	1.62E-06	0	1.50E-06	0	1.61E-06	0	4.77E-07	0	4.37E-06	1	1.18E-06	1	4.45E-07	0	3.57E-06	1	7.92E-06	1
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	7.10E-06	1	7.06E-07	1	1.50E-06	0	1.61E-06	0	4.77E-07	0	7.12E-06	1	2.36E-06	1	4.45E-07	0	7.00E-06	1	1.47E-05	1
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	8.50E-06	1	1.13E-06	1	5.09E-07	1	1.61E-06	0	4.77E-07	0	8.59E-06	1	2.49E-06	1	4.45E-07	0	7.10E-06	1	1.70E-05	1
Hexachlorodibenzofuran[1,2,3,4,7,8-]	2.06E-06	1	1.62E-06	0	1.50E-06	0	6.08E-07	1	4.77E-07	0	2.42E-06	1	1.01E-06	1	4.45E-07	0	1.83E-06	1	4.10E-06	1
Hexachlorodibenzofuran[1,2,3,6,7,8-]	2.57E-06	1	1.62E-06	0	1.50E-06	0	1.61E-06	0	4.77E-07	0	2.80E-06	1	9.38E-07	1	4.45E-07	0	2.34E-06	1	4.92E-06	1
Hexachlorodibenzofuran[1,2,3,7,8,9-]	1.63E-06	0	1.62E-06	0	1.50E-06	0	1.61E-06	0	4.77E-07	0	6.95E-07	0	4.71E-07	0	4.45E-07	0	7.92E-07	0	1.06E-06	0
Hexachlorodibenzofuran[2,3,4,6,7,8-]	3.56E-06	1	1.62E-06	0	1.50E-06	0	1.61E-06	0	4.77E-07	0	3.56E-06	1	1.08E-06	1	4.45E-07	0	3.31E-06	1	6.83E-06	1
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.13E-03	1	1.28E-04	1	6.72E-05	1	1.70E-05	1	5.26E-05	1	1.10E-03	1	4.26E-04	1	2.04E-05	1	1.13E-03	1	2.67E-03	1
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.17E-04	1	1.28E-05	1	7.18E-06	1	3.31E-06	1	7.40E-06	1	1.12E-04	1	5.41E-05	1	2.21E-06	1	1.18E-04	1	2.86E-04	1
Pentachlorodibenzodioxin[1,2,3,7,8-]	1.53E-06	1	1.62E-06	0	1.50E-06	0	1.61E-06	0	4.77E-07	0	1.70E-06	1	6.24E-07	1	4.45E-07	0	1.44E-06	1	2.87E-06	1
Pentachlorodibenzofuran[1,2,3,7,8-]	1.63E-06	0	1.62E-06	0	1.50E-06	0	6.14E-07	1	4.77E-07	0	4.59E-07	0	4.56E-07	0	4.45E-07	0	5.92E-07	1	6.14E-07	1
Pentachlorodibenzofuran[2,3,4,7,8-]	1.63E-06	0	1.62E-06	0	1.50E-06	0	1.61E-06	0	4.77E-07	0	4.59E-07	0	4.56E-07	0	4.45E-07	0	4.46E-07	0	6.95E-07	1
Tetrachlorodibenzodioxin[2,3,7,8-]	3.24E-07	0	3.22E-07	0	3.00E-07	0	3.20E-07	0	2.40E-07	0	2.64E-07	0	2.26E-07	0	2.28E-07	0	2.62E-07	0	2.94E-07	0
Tetrachlorodibenzofuran[2,3,7,8-]	3.24E-07	0	3.22E-07	0	3.00E-07	0	3.20E-07	0	2.40E-07	0	2.70E-07	0	2.96E-07	0	2.51E-07	0	3.42E-07	0	2.96E-07	0

Congener Name	TECi		TECi		TECi		TECi		TECi		TECi		TECi		TECi		TECi		TECi	
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.99E-06		2.10E-07		1.01E-07		2.98E-08		6.40E-08		1.93E-06		6.34E-07		3.40E-08		1.82E-06		4.27E-06	
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	5.96E-07		6.41E-08		3.30E-08		2.60E-08		2.90E-08		6.95E-07		2.11E-07		1.35E-08		5.76E-07		1.40E-06	
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	3.26E-08		1.62E-08		1.50E-08		1.61E-08		4.77E-09		3.82E-08		1.53E-08		4.45E-09		3.55E-08		8.42E-08	
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.13E-07		1.62E-07		1.50E-07		1.61E-07		4.77E-08		4.37E-07		1.18E-07		4.45E-08		3.57E-07		7.92E-07	
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	7.10E-07		7.06E-08		1.50E-07		1.61E-07		4.77E-08		7.12E-07		2.36E-07		4.45E-08		7.00E-07		1.47E-06	
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	8.50E-07		1.13E-07		5.09E-08		1.61E-07		4.77E-08		8.59E-07		2.49E-07		4.45E-08		7.10E-07		1.70E-06	
Hexachlorodibenzofuran[1,2,3,4,7,8-]	2.06E-07		1.62E-07		1.50E-07		6.08E-08		4.77E-08		2.42E-07		1.01E-07		4.45E-08		1.83E-07		4.10E-07	
Hexachlorodibenzofuran[1,2,3,6,7,8-]	2.57E-07		1.62E-07		1.50E-07		1.61E-07		4.77E-08		2.80E-07		9.38E-08		4.45E-08		2.34E-07		4.92E-07	
Hexachlorodibenzofuran[1,2,3,7,8,9-]	1.63E-07		1.62E-07		1.50E-07		1.61E-07		4.77E-08		6.95E-08		4.71E-08		4.45E-08		7.92E-08		1.06E-07	
Hexachlorodibenzofuran[2,3,4,6,7,8-]	3.56E-07		1.62E-07		1.50E-07		1.61E-07		4.77E-08		3.56E-07		1.08E-07		4.45E-08		3.31E-07		6.83E-07	
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3.39E-07		3.84E-08		2.02E-08		5.10E-09		1.58E-08		3.30E-07		1.28E-07		6.12E-09		3.39E-07		8.01E-07	
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	3.51E-08		3.84E-09		2.15E-09		9.93E-10		2.22E-09		3.36E-08		1.62E-08		6.63E-10		3.54E-08		8.58E-08	
Pentachlorodibenzodioxin[1,2,3,7,8-]	1.53E-06		1.62E-06		1.50E-06		1.61E-06		4.77E-07		1.70E-06		6.24E-07		4.45E-07		1.44E-06		2.87E-06	
Pentachlorodibenzofuran[1,2,3,7,8-]	4.89E-08		4.86E-08		4.50E-08		1.84E-08		1.43E-08		1.38E-08		1.37E-08		1.34E-08		1.78E-08		1.84E-08	
Pentachlorodibenzofuran[2,3,4,7,8-]	4.89E-07		4.86E-07		4.50E-07		4.83E-07		1.43E-07		1.38E-07		1.37E-07		1.34E-07		1.34E-07		2.09E-07	
Tetrachlorodibenzodioxin[2,3,7,8-]	3.24E-07		3.22E-07		3.00E-07		3.20E-07		2.40E-07		2.64E-07		2.26E-07		2.28E-07		2.62E-07		2.94E-07	
Tetrachlorodibenzofuran[2,3,7,8-]	3.24E-08		3.22E-08		3.00E-08		3.20E-08		2.40E-08		2.70E-08		2.96E-08		2.51E-08		3.42E-08		2.96E-08	
	8.37E-06		**3.83E-06**		**3.45E-06**		**3.57E-06**		**1.35E-06**		**8.12E-06**		2.99E-06		**1.22E-06**		**7.29E-06**		**1.57E-05**	

Table 2-7. Dioxin and Furan Soil Data and TEQ Calculations by Sample, cont.

Congener Name	SFB-23-295633		SFB-24-323271		SFB-24-323272		SFB-24-323273		SFB-24-323274	
	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	6.81E-07	1	1.29E-06	1	5.60E-07	1	2.05E-05	1	2.53E-05	1
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	1.23E-06	0	5.76E-07	1	5.00E-07	0	7.55E-06	1	8.26E-06	1
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.18E-06	0	5.00E-07	0	5.00E-07	0	5.53E-07	1	6.75E-07	1
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	1.24E-06	0	5.00E-07	0	5.00E-07	0	5.57E-07	1	5.14E-07	1
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	1.15E-06	0	5.00E-07	0	5.00E-07	0	9.37E-07	1	9.56E-07	1
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.35E-06	0	5.00E-07	0	5.00E-07	0	1.17E-06	1	1.02E-06	1
Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.13E-06	0	5.00E-07	0	5.00E-07	0	7.75E-07	1	5.78E-07	1
Hexachlorodibenzofuran[1,2,3,6,7,8-]	9.95E-07	0	5.00E-07	0	5.00E-07	0	5.59E-07	1	5.06E-07	1
Hexachlorodibenzofuran[1,2,3,7,8,9-]	1.39E-06	0	5.00E-07	0	5.00E-07	0	4.99E-07	0	4.98E-07	0
Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.20E-06	0	5.00E-07	0	5.00E-07	0	6.39E-07	1	6.73E-07	1
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	2.72E-06	1	7.25E-06	1	4.32E-06	1	1.23E-04	1	1.67E-04	1
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	4.63E-06	0	1.00E-06	0	9.99E-07	0	1.19E-05	1	1.97E-05	1
Pentachlorodibenzodioxin[1,2,3,7,8-]	1.30E-06	0	5.00E-07	0	5.00E-07	0	4.99E-07	0	4.98E-07	0
Pentachlorodibenzofuran[1,2,3,7,8-]	1.15E-06	0	5.00E-07	0	5.00E-07	0	4.99E-07	0	4.98E-07	0
Pentachlorodibenzofuran[2,3,4,7,8-]	1.29E-06	0	5.00E-07	0	5.00E-07	0	4.99E-07	0	4.98E-07	0
Tetrachlorodibenzodioxin[2,3,7,8-]	2.65E-07	0	1.56E-07	0	9.99E-08	0	3.56E-07	1	3.05E-07	1
Tetrachlorodibenzofuran[2,3,7,8-]	2.65E-07	1	2.16E-07	0	1.45E-07	0	3.62E-07	0	3.21E-07	0

Congener Name	TECi		TECi		TECi		TECi		TECi	
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	6.81E-09		1.29E-08		5.60E-09		2.05E-07		2.53E-07	
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	1.23E-08		5.76E-09		5.00E-09		7.55E-08		8.26E-08	
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.18E-08		5.00E-09		5.00E-09		5.53E-09		6.75E-09	
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	1.24E-07		5.00E-08		5.00E-08		5.57E-08		5.14E-08	
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	1.15E-07		5.00E-08		5.00E-08		9.37E-08		9.56E-08	
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.35E-07		5.00E-08		5.00E-08		1.17E-07		1.02E-07	
Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.13E-07		5.00E-08		5.00E-08		7.75E-08		5.78E-08	
Hexachlorodibenzofuran[1,2,3,6,7,8-]	9.95E-08		5.00E-08		5.00E-08		5.59E-08		5.06E-08	
Hexachlorodibenzofuran[1,2,3,7,8,9-]	1.39E-07		5.00E-08		5.00E-08		4.99E-08		4.98E-08	
Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.20E-07		5.00E-08		5.00E-08		6.39E-08		6.73E-08	
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	8.16E-10		2.18E-09		1.30E-09		3.69E-08		5.01E-08	
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.39E-09		3.00E-10		3.00E-10		3.57E-09		5.91E-09	
Pentachlorodibenzodioxin[1,2,3,7,8-]	1.30E-06		5.00E-07		5.00E-07		4.99E-07		4.98E-07	
Pentachlorodibenzofuran[1,2,3,7,8-]	3.45E-08		1.50E-08		1.50E-08		1.50E-08		1.49E-08	
Pentachlorodibenzofuran[2,3,4,7,8-]	3.87E-07		1.50E-07		1.50E-07		1.50E-07		1.49E-07	
Tetrachlorodibenzodioxin[2,3,7,8-]	2.65E-07		1.56E-07		9.99E-08		3.56E-07		3.05E-07	
Tetrachlorodibenzofuran[2,3,7,8-]	2.65E-08		2.16E-08		1.45E-08		3.62E-08		3.21E-08	
TEQ	**2.89E-06**		**1.22E-06**		**1.15E-06**		**1.90E-06**		**1.87E-06**	

Notes: The TECi are summed in each column to obtain the TEQ
The value for "Result" is the detected value or the MDL if not detected
Detect Code = 1 is detected, 0 is not detected
Shaded samples are subsurface samples (>1 foot deep)

Table 2-8. Refined Exposure Point Concentrations

SURFACE SOIL (0 TO 1 FOOT DEPTH)					
Analyte Name	**Sample Size (n)**	**Number of Detected Values**	**Refined EPC (mg/kg)**	**Distribution**	**Statistic**
Inorganic					
Barium	46	46	1225	Gamma	95% Adjusted Gamma UCL
Nitrate	11	9	12.75	Gamma	95% KM Bootstrap t UCL
Nitrate as Nitrogen	12	12	4.165	Normal	95% Student's-t UCL
Perchlorate	30	9	7.99E-04	Normal	95% KM (t) UCL
Selenium	46	31	0.902	Normal	95% KM (t) UCL
Silver	46	34	1.69	Lognormal	95% Bootstrap t UCL
Zinc	36	36	61.56	NDD	95% Student's-t UCL
Organic					
Acenaphthene	30	2	0.0102	NA	Use median
Amino-2,6-dinitrotoluene[4-]	36	4	0.149	NA	Use median
Amino-4,6-dinitrotoluene[2-]	36	3	0.149	NA	Use median
Anthracene	30	2	0.010	NA	Use median
Benzo(a)anthracene	30	1	0.026	NA	Use Maximum Detected Value
Benzo(a)pyrene	30	1	0.023	NA	Use Maximum Detected Value
Benzo(b)fluoranthene	30	1	0.061	NA	Use Maximum Detected Value
Benzo(g,h,i)perylene	30	1	0.012	NA	Use Maximum Detected Value
Benzo(k)fluoranthene	30	1	0.018	NA	Use Maximum Detected Value
Benzoic Acid	30	8	0.266	Normal	95% KM (t) UCL
Bis(2-ethylhexyl)phthalate	30	17	0.519	NDD	95% KM (t) UCL
Chrysene	30	1	0.055	NA	Use Maximum Detected Value
Fluoranthene	30	1	0.013	NA	Use Maximum Detected Value
HMX	36	8	1.107	Normal	95% KM (t) UCL
Indeno(1,2,3-cd)pyrene	30	1	0.011	NA	Use Maximum Detected Value
Isopropyltoluene[4-]	29	1	0.000424	NA	Use Maximum Detected Value
Perfluorobutanoic acid	21	1	0.000244	NA	Use Maximum Detected Value
Perfluorooctanesulfonic acid	21	1	0.000224	NA	Use Maximum Detected Value
Perfluorooctanoic acid	21	1	0.000896	NA	Use Maximum Detected Value
Pyrene	30	1	0.0129	NA	Use Maximum Detected Value
RDX	36	13	3.867	Normal	95% KM (t) UCL
TATB	36	16	2.27	Lognormal	95% Bootstrap t UCL
TCDD TEQ	50	-	1.73E-05	NDD	95% Student's-t UCL
TPH DRO	25	21	20.61	NDD	95% KM (t) UCL
Trinitrotoluene[2,4,6-]	36	5	0.28	Normal	95% KM (t) UCL

Table 2-8. Refined Exposure Point Concentrations, cont.

SUBSURFACE SOIL (0 TO 10 FOOT)					
Analyte Name	**n**	**Number of Detected Values**	**Refined EPC (mg/kg)**	**Distribution**	**Statistic**
Inorganic					
Barium	52	52	1363	Gamma	95% Approx. Gamma UCL
Nitrate	13	11	11.53	Gamma	95% KM Bootstrap t UCL
Nitrate as Nitrogen	16	16	3.482	Normal	95% Student's-t UCL
Perchlorate	36	9	7.37E-04	Normal	95% KM (t) UCL
Selenium	52	37	0.883	Normal	95% KM (t) UCL
Silver	52	40	1.707	Gamma	95% Approximate Gamma UCL
Zinc	42	42	62.98	NDD	95% Student's-t UCL
Organic					
Acenaphthene	37	2	0.010	NA	Use Median Value
Amino-2,6-dinitrotoluene[4-]	42	5	0.225	NDD	95% KM (t) UCL
Amino-4,6-dinitrotoluene[2-]	42	4	0.149	NA	Use Median Value
Anthracene	36	2	0.010	NA	Use Median Value
Benzo(a)anthracene	36	1	0.026	NA	Use Maximum Detected Value
Benzo(a)pyrene	36	1	0.023	NA	Use Maximum Detected Value
Benzo(b)fluoranthene	36	1	0.061	NA	Use Maximum Detected Value
Benzo(g,h,i)perylene	36	1	0.012	NA	Use Maximum Detected Value
Benzo(k)fluoranthene	36	1	0.018	NA	Use Maximum Detected Value
Benzoic Acid	36	12	0.279	NDD	95% KM (t) UCL
Bis(2-ethylhexyl)phthalate	36	22	0.483	NDD	95% KM (t) UCL
Chrysene	36	1	0.055	NA	Use Maximum Detected Value
Di-n-butylphthalate	36	1	0.0138	NA	Use Maximum Detected Value
Fluoranthene	36	1	0.013	NA	Use Maximum Detected Value
HMX	42	12	2.376	NDD	95% KM (t) UCL
Indeno(1,2,3-cd)pyrene	36	1	0.011	NA	Use Maximum Detected Value
Isopropyltoluene[4-]	35	1	0.000424	NA	Use Maximum Detected Value
Perfluorobutanoic acid	30	3	0.000196	NA	Use Median Value
Perfluorooctanesulfonic acid	30	1	0.000224	NA	Use Maximum Detected Value
Perfluorooctanoic acid	30	1	0.000896	NA	Use Maximum Detected Value
Perfluoropentanoic acid	30	1	0.000185	NA	Use Maximum Detected Value
Pyrene	36	1	0.0129	NA	Use Maximum Detected Value
RDX	42	17	7.46	Gamma	95% KM Adjusted Gamma UCL
TATB	42	19	1.957	Lognormal	95% Bootstrap t UCL
TCDD TEQ	52	-	1.88E-05	NDD	95% Student's-t UCL
TPH DRO	31	27	23.31	Lognormal	95% BCA Bootstrap UCL
Trinitrotoluene[2,4,6-]	42	7	0.302	Normal	95% KM (t) UCL

Notes:
Sample size (n) and number of detects reflects removal of lowest of the duplicate pair (SFB-23-295637, SFB-23-295638)
Per NMED (2022), UCLs not calculated unless there were ≥5 detected values and 8 total samples
EPCs represent all detected analytes and for inorganics, all detected analytes with maxima greater than the BTV and identified as above background by hypothesis testing
Data include only the higher of the duplicate pairs.
KM – Kaplan- Meier
NDD – No discernable distribution
UCL – Upper Confidence Limit
"-" – no value

Table 2-9. Human Health Risk Assessment with Refined EPCs

SURFACE SOIL (0 TO 1 FOOT)				
Analyte Name	**Refined EPC (mg/kg)**	**Industrial Cancer Risk**	**Industrial Noncancer HQ**	**SL-SSL DAF 20 Ratio**
Inorganic				
Barium	1225	-	5E-03	5E-01
Nitrate	12.75	-	6E-06	3E-02
Nitrate as Nitrogen	12.75	-	2E-06	1E-02
Perchlorate	4.165	-	9E-07	7E-03
Selenium	7.99E-04	-	1E-04	9E-02
Silver	0.902	-	3E-04	1E-01
Zinc	1.69	-	2E-04	8E-03
Organic				
Acenaphthene	0.01015	--	2E-07	1E-04
Amino-2,6-dinitrotoluene[4-]	0.149	--	1E-03	6E+00
Amino-4,6-dinitrotoluene[2-]	0.149	--	1E-03	6E+00
Anthracene	0.010	--	4E-08	1E-05
Benzo(a)anthracene	0.026	8E-09	--	4E-02
Benzo(a)pyrene	0.023	1E-08	9E-05	5E-03
Benzo(b)fluoranthene	0.061	2E-08	--	1E-02
Benzo(g,h,i)perylene	0.012	--	5E-07	6E-05
Benzo(k)fluoranthene	0.018	6E-10	--	3E-04
Benzoic Acid	0.266	--	8E-08	9E-04
Bis(2-ethylhexyl)phthalate	0.519	3E-09	3E-05	3E-03
Chrysene	0.055	2E-10	--	3E-04
Fluoranthene	0.013	--	4E-07	1E-05
HMX	1.107	--	2E-05	6E-02
Indeno(1,2,3-cd)pyrene	0.011	3E-09	--	5E-04
Isopropyltoluene[4-]	0.000424	--	3E-08	4E-05
Perfluorobutanoic acid	0.000244	--	--	NA
Perfluorooctanesulfonic acid	0.000224	--	6E-05	1E+00
Perfluorooctanoic acid	0.000896	2E-11	2E-04	5E-02
Pyrene	0.0129	--	5E-07	7E-05
RDX	3.867	9E-08	8E-04	7E+01
TATB	2.27	--	7E-05	5E-02
TCDD TEQ	1.73E-05	7E-07	2E-02	8E-02
Total Petroleum Hydrocarbons Diesel Range Organics	20.61	--	7E-03	4E-03
Trinitrotoluene[2,4,6-]	0.28	3E-09	5E-04	3E-01
CCR or Hazard Index		**9E-07**	**4E-02**	**--**

Table 2-9. Human Health Risk Assessment with Refined EPCs, cont.

SUBSURFACE SOIL (0 TO 10 FOOT)						
Name	**Refined EPC (mg/kg)**	**Residential Cancer Risk**	**Residential HQ**	**Construction Worker Cancer Risk**	**Construction Worker HQ**	**SL-SSL DAF 20 Ratio**
Inorganic						
Barium	1363	--	9E-02	--	3E-01	5E-01
Nitrate	11.53	--	9E-05	--	2E-05	3E-02
Nitrate as Nitrogen	3.482	--	3E-05	--	6E-06	8E-03
Perchlorate	7.37E-04	--	1E-05	--	3E-06	6E-03
Selenium	0.883	--	2E-03	--	5E-04	9E-02
Silver	1.707	--	4E-03	--	1E-03	1E-01
Zinc	62.98	--	3E-03	--	6E-04	8E-03
Organic						
Acenaphthene	0.010	--	3E-06	--	7E-07	1E-04
Amino-2,6-dinitrotoluene[4-]	0.225	--	3E-02	--	1E-02	1E+01
Amino-4,6-dinitrotoluene[2-]	0.149	--	2E-02	--	9E-03	6E+00
Anthracene	0.010	--	6E-07	--	1E-07	1E-05
Benzo(a)anthracene	0.026	2E-07	--	1E-09	--	4E-02
Benzo(a)pyrene	0.023	2E-07	1E-03	1E-09	2E-03	5E-03
Benzo(b)fluoranthene	0.061	4E-07	--	3E-09	--	1E-02
Benzo(g,h,i)perylene	0.012	--	7E-06	--	2E-06	6E-05
Benzo(k)fluoranthene	0.018	1E-08	--	8E-11	--	3E-04
Benzoic Acid	0.279	--	1E-06	--	3E-07	9E-04
Bis(2-ethylhexyl)phthalate	0.483	1E-08	4E-04	4E-10	9E-05	2E-03
Chrysene	0.055	4E-09	--	2E-11	--	3E-04
Di-n-butylphthalate	0.0138	--	2E-06	--	5E-07	4E-04
Fluoranthene	0.013	--	6E-06	--	1E-06	1E-05
HMX	2.376	--	6E-04	--	1E-04	1E-01
Indeno(1,2,3-cd)pyrene	0.011	7E-08	--	4E-10	--	5E-04
Isopropyltoluene[4-]	0.000424	--	2E-07	--	2E-07	4E-05
Perfluorobutanoic acid	0.000196	--	--	--	--	--
Perfluorooctanesulfonic acid	0.000224	--	1E-03	--	3E-04	1E+00
Perfluorooctanoic acid	0.000896	1E-10	5E-03	3E-12	1E-03	5E-02
Perfluoropentanoic acid	0.000185	--	--	--	--	--
Pyrene	0.0129	--	7E-06	--	2E-06	7E-05
RDX	7.46	9E-07	2E-02	3E-08	6E-03	1E+02
TATB	1.957	--	9E-04	--	2E-04	5E-02
TCDD TEQ	1.88E-05	4E-06	4E-01	1E-07	8E-02	8E-02
Total Petroleum Hydrocarbons Diesel Range Organics	23.31	--	1E-02	--	8E-03	4E-03
Trinitrotoluene[2,4,6-]	0.302	1E-08	8E-03	4E-10	2E-03	4E-01
CCR or Hazard Index		6E-06	6E-01	1E-07	4E-01	-

Notes:
" - " – Indicates no value
CCR – Cumulative cancer risk
EPC – Exposure point concentration
HQ – Hazard quotient
NA – Not applicable
SL – Screening level
TPH - Total Petroleum Hydrocarbons
SL-SSL DAF 20 – Migration to groundwater screening level ratio at a dilution attenuation factor of 20

Table 2-10. Comparison of the Maximum MDL to NMSSLs for Each Nondetected Analyte.

Parameter Name	Maximum MDL (mg/kg)	Maximum Res CR	Maximum Res HQ	Maximum Ind CR	Maximum Ind HQ	Maximum CW CR	Maximum CW HQ
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	1.99E-01	NA	NA	NA	NA	NA	NA
1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	4.64E-01	NA	NA	NA	NA	NA	NA
1H, 1H, 2H, 2H-Perfluorododecanesulphonic acid	3.98E-01	NA	NA	NA	NA	NA	NA
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	4.83E-01	NA	NA	NA	NA	NA	NA
1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	1.62E+00	NA	NA	NA	NA	NA	NA
2,4-Diamino-6-nitrotoluene	5.03E-01	NA	8E-02	NA	5E-03	NA	2E-02
2,6-Diamino-4-nitrotoluene	6.63E-01	NA	1E-01	NA	7E-03	NA	2E-02
3,5-Dinitroaniline	3.02E-01	NA	4E-02	NA	2E-03	NA	2E-02
3-Perfluoroheptyl propanoic acid	3.98E-01	NA	NA	NA	NA	NA	NA
3-Perfluoropentyl propanoic acid	3.98E-01	NA	NA	NA	NA	NA	NA
3-Perfluoropropyl propanoic acid	3.98E-01	NA	NA	NA	NA	NA	NA
4,8-Dioxa-3H-perfluorononanoic Acid	1.99E-01	NA	NA	NA	NA	NA	NA
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	1.99E-01	NA	NA	NA	NA	NA	NA
Acenaphthylene	5.05E-02	NA	3E-05	NA	2E-06	NA	7E-06
Acetone	2.09E-03	NA	3E-08	NA	2E-09	NA	9E-09
Aniline	5.05E-01	5E-09	1E-03	1E-09	9E-05	3E-10	6E-03
Azobenzene	5.05E-01	9E-08	NA	2E-08	NA	3E-09	NA
Benzene	4.18E-04	2E-10	4E-06	5E-11	6E-07	1E-11	3E-06
Benzyl Alcohol	5.05E-01	NA	8E-05	NA	6E-06	NA	2E-05
Bis(2-chloroethoxy)methane	5.05E-01	NA	3E-03	NA	2E-04	NA	6E-04
Bis(2-chloroethyl)ether	5.05E-01	2E-06	NA	3E-07	NA	3E-06	NA
Bromobenzene	4.18E-04	NA	1E-06	NA	2E-07	NA	8E-07
Bromochloromethane	4.18E-04	NA	3E-06	NA	7E-07	NA	1E-06
Bromodichloromethane	4.18E-04	7E-10	3E-07	1E-10	2E-08	3E-11	6E-08
Bromoform	4.18E-04	6E-12	3E-07	2E-12	2E-08	2E-13	8E-08
Bromomethane	4.18E-04	NA	2E-05	NA	4E-06	NA	2E-05
Bromophenyl-phenylether[4-]	5.05E-01	NA	3E-03	NA	2E-04	NA	7E-04
Butanone[2-]	2.09E-03	NA	6E-08	NA	5E-09	NA	2E-08
Butylbenzene[n-]	4.18E-04	NA	1E-07	NA	7E-09	NA	2E-08
Butylbenzene[sec-]	4.18E-04	NA	5E-08	NA	3E-09	NA	1E-08
Butylbenzene[tert-]	4.18E-04	NA	5E-08	NA	3E-09	NA	1E-08

Parameter Name	Maximum MDL (mg/kg)	Maximum Res CR	Maximum Res HQ	Maximum Ind CR	Maximum Ind HQ	Maximum CW CR	Maximum CW HQ
Butylbenzylphthalate	1.06E-01	4E-10	8E-06	9E-11	7E-07	1E-11	2E-06
Carbon Disulfide	2.09E-03	NA	1E-06	NA	2E-07	NA	1E-06
Carbon Tetrachloride	4.18E-04	4E-10	3E-06	8E-11	4E-07	2E-11	2E-06
Chloro-3-methylphenol[4-]	6.73E-01	NA	1E-04	NA	8E-06	NA	3E-05
Chloroaniline[4-]	5.05E-01	2E-07	2E-02	5E-08	1E-03	5E-09	4E-03
Chlorobenzene	4.18E-04	NA	1E-06	NA	2E-07	NA	1E-06
Chlorodibromomethane	4.18E-04	3E-10	3E-07	6E-11	2E-08	1E-11	8E-08
Chloroethane	4.18E-04	NA	2E-08	NA	5E-09	NA	3E-08
Chloroform	4.18E-04	7E-10	1E-06	1E-10	2E-07	3E-11	1E-06
Chloromethane	4.18E-04	1E-10	2E-06	2E-11	3E-07	4E-12	2E-06
Chloronaphthalene[2-]	5.05E-02	NA	8E-06	NA	5E-07	NA	2E-06
Chlorophenol[2-]	5.05E-01	NA	1E-03	NA	8E-05	NA	3E-04
Chlorophenyl-phenyl[4-] Ether	5.05E-01	NA	NA	NA	NA	NA	NA
Chlorotoluene[2-]	4.18E-04	NA	3E-07	NA	2E-08	NA	6E-08
Chlorotoluene[4-]	4.18E-04	NA	3E-07	NA	2E-08	NA	6E-08
Dibenz(a,h)anthracene	5.05E-02	3E-06	NA	2E-07	NA	2E-08	NA
Dibenzofuran	5.05E-01	NA	6E-03	NA	4E-04	NA	1E-03
Dibromo-3-Chloropropane[1,2-]	6.27E-04	7E-08	1E-04	5E-09	2E-05	1E-09	8E-05
Dibromoethane[1,2-]	4.18E-04	6E-09	3E-06	1E-09	6E-07	3E-10	3E-06
Dibromomethane	4.18E-04	NA	7E-06	NA	1E-06	NA	8E-06
Dichlorobenzene[1,2-]	5.05E-01	NA	2E-04	NA	4E-05	NA	2E-04
Dichlorobenzene[1,3-]	5.05E-01	4E-09	9E-05	8E-10	6E-06	1E-10	2E-05
Dichlorobenzene[1,4-]	5.05E-01	4E-09	9E-05	8E-10	6E-06	1E-10	2E-05
Dichlorobenzidine[3,3'-]	5.05E-01	4E-07	NA	9E-08	NA	1E-08	NA
Dichlorodifluoromethane	4.18E-04	NA	2E-06	NA	5E-07	NA	3E-06
Dichloroethane[1,1-]	4.18E-04	5E-11	3E-08	1E-11	2E-09	2E-12	6E-09
Dichloroethane[1,2-]	4.18E-04	5E-10	8E-06	1E-10	1E-06	2E-11	8E-06
Dichloroethene[1,1-]	4.18E-04	NA	1E-06	NA	2E-07	NA	1E-06
Dichloroethene[cis-1,2-]	4.18E-04	NA	3E-06	NA	2E-07	NA	6E-07
Dichloroethene[trans-1,2-]	4.18E-04	NA	2E-06	NA	4E-07	NA	2E-06
Dichlorophenol[2,4-]	5.05E-01	NA	3E-03	NA	2E-04	NA	6E-04
Dichloropropane[1,2-]	4.18E-04	2E-10	1E-05	5E-11	3E-06	1E-11	2E-05
Dichloropropane[1,3-]	4.18E-04	2E-10	1E-05	5E-11	3E-06	1E-11	2E-05
Dichloropropane[2,2-]	4.18E-04	2E-10	1E-05	5E-11	3E-06	1E-11	2E-05
Dichloropropene[1,1-]	4.18E-04	1E-10	3E-06	3E-11	6E-07	5E-12	3E-06
Dichloropropene[cis-1,3-]	4.18E-04	1E-10	3E-06	3E-11	6E-07	5E-12	3E-06
Dichloropropene[trans-1,3-]	4.18E-04	1E-10	3E-06	3E-11	6E-07	5E-12	3E-06
Diethylphthalate	1.06E-01	NA	2E-06	NA	1E-07	NA	5E-07
Dimethyl Phthalate	1.06E-01	NA	2E-06	NA	1E-07	NA	5E-07

Parameter Name	Maximum MDL (mg/kg)	Maximum Res CR	Maximum Res HQ	Maximum Ind CR	Maximum Ind HQ	Maximum CW CR	Maximum CW HQ
Dimethylphenol[2,4-]	5.05E-01	NA	4E-04	NA	3E-05	NA	9E-05
Dinitro-2-methylphenol[4,6-]	5.05E-01	NA	1E-01	NA	7E-03	NA	2E-02
Dinitrobenzene[1,3-]	1.51E-01	NA	2E-02	NA	2E-03	NA	6E-03
Dinitrophenol[2,4-]	5.05E-01	NA	4E-03	NA	3E-04	NA	9E-04
Dinitrotoluene[2,4-]	5.05E-01	3E-07	4E-03	6E-08	3E-04	8E-09	9E-04
Dinitrotoluene[2,6-]	5.05E-01	1E-06	3E-02	3E-07	2E-03	3E-08	6E-03
Di-n-octylphthalate	1.06E-01	NA	2E-04	NA	1E-05	NA	4E-05
Diphenylamine	5.05E-01	NA	8E-05	NA	6E-06	NA	2E-05
Ethyl perfluorooctane sulfonamidoethanol[N-]	4.77E-01	NA	NA	NA	NA	NA	NA
ethyl perfluorooctanesulfonamidoacetic acid[N-]	3.32E-01	NA	NA	NA	NA	NA	NA
Ethylbenzene	4.18E-04	6E-11	1E-07	1E-11	1E-08	2E-12	7E-08
Ethylperfluoro-1-octanesulfonamide[N-]	4.95E-01	NA	NA	NA	NA	NA	NA
Fluorene	5.05E-02	NA	2E-05	NA	1E-06	NA	5E-06
Hexachlorobenzene	5.05E-01	2E-06	1E-02	3E-07	7E-04	4E-08	2E-03
Hexachlorobutadiene	5.05E-01	7E-08	8E-03	1E-07	6E-04	2E-09	2E-03
Hexachlorocyclopentadiene	5.05E-01	NA	2E-01	NA	9E-05	NA	6E-04
Hexachloroethane	5.05E-01	4E-08	1E-02	8E-09	8E-04	1E-09	3E-03
Hexafluoropropylene oxide dimer acid GenX	1.99E-01	NA	NA	NA	NA	NA	NA
Hexanone[2-]	2.09E-03	NA	1E-05	NA	2E-06	NA	4E-06
Iodomethane	2.09E-03	NA	1E-04	NA	2E-05	NA	1E-04
Isophorone	5.05E-01	9E-10	4E-05	2E-10	3E-06	3E-11	9E-06
Isopropylbenzene	4.18E-04	NA	2E-07	NA	3E-08	NA	2E-07
Methyl perfluorooctane sulfonamidoethanol[N-]	4.70E-01	NA	NA	NA	NA	NA	NA
methyl perfluorooctanesulfonamidoacetic acid[N-]	3.98E-01	NA	NA	NA	NA	NA	NA
Methyl-2-pentanone[4-]	2.09E-03	NA	4E-07	NA	3E-08	NA	1E-07
Methylene Chloride	2.11E-03	3E-11	5E-06	1E-12	4E-07	2E-13	2E-06
Methylnaphthalene[2-]	5.05E-02	NA	2E-04	NA	1E-05	NA	5E-05
Methylperfluoro-1-octanesulfonamide[N-]	5.25E-01	NA	NA	NA	NA	NA	NA
Methylphenol[2-]	5.05E-01	NA	2E-04	NA	1E-05	NA	4E-05
Methylphenol[3-,4-]	5.05E-01	NA	2E-04	NA	1E-05	NA	4E-05
Methylphenol[4-]	1.06E-01	NA	8E-05	NA	7E-06	NA	2E-05

Parameter Name	Maximum MDL (mg/kg)	Maximum Res CR	Maximum Res HQ	Maximum Ind CR	Maximum Ind HQ	Maximum CW CR	Maximum CW HQ
Naphthalene	5.05E-02	2E-08	3E-04	5E-09	6E-05	8E-10	3E-04
Nitroaniline[2-]	5.55E-01	NA	9E-04	NA	7E-05	NA	9E-02
Nitroaniline[3-]	5.05E-01	2E-08	2E-03	5E-09	2E-04	5E-10	1E-03
Nitroaniline[4-]	5.05E-01	2E-08	2E-03	5E-09	2E-04	5E-10	1E-03
Nitrobenzene	5.05E-01	8E-08	4E-03	2E-08	3E-04	4E-09	1E-03
Nitrophenol[2-]	5.05E-01	NA	3E-05	NA	2E-06	NA	7E-06
Nitrophenol[4-]	5.05E-01	NA	3E-05	NA	2E-06	NA	7E-06
Nitrosodimethylamine[N-]	5.05E-01	2E-04	1E+00	1E-05	7E-02	1E-06	2E-01
Nitroso-di-n-propylamine[N-]	5.05E-01	6E-06	NA	2E-06	NA	3E-07	NA
Nitrotoluene[2-]	1.51E-01	5E-08	2E-03	9E-09	1E-04	1E-09	5E-04
Nitrotoluene[3-]	1.51E-01	NA	2E-02	NA	2E-03	NA	6E-03
Nitrotoluene[4-]	1.51E-01	5E-09	6E-04	9E-10	4E-05	1E-10	1E-04
Oxybis(1-chloropropane)[2,2'-]	5.05E-01	5E-08	NA	1E-08	NA	1E-09	NA
Pentachlorophenol	5.05E-01	5E-07	2E-03	1E-07	2E-04	1E-08	5E-04
Perfluoro-1-heptanesulfonic acid	2.23E-01	NA	NA	NA	NA	NA	NA
Perfluoro-1-octanesulfonamide	1.99E-01	NA	NA	NA	NA	NA	NA
Perfluorobutanesulfonic acid	1.99E-01	NA	1E-05	NA	5E-07	NA	2E-06
Perfluorodecane sulfonate	1.99E-01	NA	NA	NA	NA	NA	NA
Perfluorodecanoic acid	4.46E-01	NA	NA	NA	NA	NA	NA
Perfluorododecanesulfonic acid	1.99E-01	NA	NA	NA	NA	NA	NA
Perfluorododecanoic acid	1.99E-01	NA	NA	NA	NA	NA	NA
Perfluoroheptanoic acid	1.99E-01	NA	NA	NA	NA	NA	NA
Perfluorohexanesulfonic acid	1.99E-01	NA	2E-04	NA	8E-06	NA	4E-05
Perfluorohexanoic acid	2.41E-01	NA	NA	NA	NA	NA	NA
Perfluorononanesulfonic acid	1.99E-01	NA	NA	NA	NA	NA	NA
Perfluorononanoic acid	1.99E-01	NA	1E-03	NA	5E-05	NA	2E-04
Perfluoropentanesulfonic acid	1.99E-01	NA	NA	NA	NA	NA	NA
Perfluorotetradecanoic acid	2.41E-01	NA	NA	NA	NA	NA	NA
Perfluorotridecanoic acid	1.99E-01	NA	NA	NA	NA	NA	NA
Perfluoroundecanoic acid	1.99E-01	NA	NA	NA	NA	NA	NA
PETN	2.51E-01	2E-09	4E-04	5E-10	3E-05	6E-11	1E-04
Phenanthrene	5.05E-02	NA	3E-05	NA	2E-06	NA	6E-06
Phenol	5.05E-01	NA	3E-05	NA	2E-06	NA	7E-06
Propylbenzene[1-]	4.18E-04	NA	1E-07	NA	2E-08	NA	6E-08
Pyridine	5.05E-01	NA	6E-03	NA	4E-04	NA	1E-03
Styrene	4.18E-04	NA	6E-08	NA	8E-09	NA	4E-08
Tetrachloroethane[1,1,1,2-]	4.18E-04	1E-10	2E-07	3E-11	1E-08	6E-12	4E-08
Tetrachloroethane[1,1,2,2-]	4.18E-04	5E-10	3E-07	1E-10	2E-08	2E-11	6E-08
Tetrachloroethene	4.18E-04	1E-11	4E-06	3E-12	7E-07	5E-13	3E-06

Parameter Name	Maximum MDL (mg/kg)	Maximum Res CR	Maximum Res HQ	Maximum Ind CR	Maximum Ind HQ	Maximum CW CR	Maximum CW HQ
Tetryl	1.51E-01	NA	1E-03	NA	6E-05	NA	2E-04
Toluene	4.18E-04	NA	8E-08	NA	7E-09	NA	3E-08
Total Petroleum Hydrocarbons Gasoline Range Org.	2.09	NA	2E-02	NA	4E-03	NA	4E-03
Trichloro-1,2,2-trifluoroethane[1,1,2-]	0.00209	NA	4E-08	NA	9E-09	NA	5E-08
Trichlorobenzene[1,2,4-]	0.505	2E-08	6E-03	4E-09	1E-03	6E-10	6E-03
Trichloroethane[1,1,1-]	0.000418	NA	3E-08	NA	6E-09	NA	3E-08
Trichloroethane[1,1,2-]	4.18E-04	2E-10	2E-04	5E-11	3E-05	1E-12	2E-04
Trichloroethene	0.000418	3E-10	6E-05	4E-11	1E-05	8E-13	6E-05
Trichlorofluoromethane	0.000418	NA	3E-07	NA	7E-08	NA	4E-07
Trichlorophenol[2,4,5-]	0.505	NA	8E-05	NA	6E-06	NA	2E-05
Trichlorophenol[2,4,6-]	0.505	1E-08	8E-03	2E-09	6E-04	3E-10	2E-03
Trichloropropane[1,2,3-]	0.000418	8E-08	6E-05	3E-09	1E-05	5E-10	7E-05
Trimethylbenzene[1,2,4-]	0.000418	NA	1E-06	NA	2E-07	NA	8E-07
Trimethylbenzene[1,3,5-]	0.000418	NA	2E-06	NA	3E-07	NA	1E-06
Trinitrobenzene[1,3,5-]	1.51E-01	NA	7E-05	NA	5E-06	NA	2E-05
Tris (o-cresyl) phosphate	3.02E-01	2E-09	5E-05	4E-10	4E-06	5E-11	1E-05
Vinyl Chloride	4.18E-04	6E-09	4E-06	1E-10	5E-07	3E-11	3E-06
Xylene[1,2-]	4.18E-04	NA	5E-07	NA	1E-07	NA	6E-07
Xylene[1,3-]+Xylene[1,4-]	8.37E-04	NA	1E-06	NA	2E-07	NA	1E-06

Notes:
CR – Cancer risk
HQ = Hazard Quotient
mg/kg –milligram per kilogram
Res – Residential
Ind – Industrial
CW – Construction Worker
The reporting limits for n-nitrosodimethylamine exceed the residential cancer NMSSL

Table 3-1. LANL No Effect (NE) ESLs Used in the Ecological Risk Assessment

Analyte Group	Analyte Name	No Effect ESL										
		Am. Kestrel (TC)	Am. Kestrel (IC)	Am. Robin (H)	Am. Robin (O)	Am. Robin (I)	Gray Fox (C)	Mountain Cottontail (H)	Montane Shrew (I)	Deer Mouse (O)	Earth-worm (Soil fauna)	Generic Plant
Inorganic	Barium	24000	7500	720	770	820	41000	2900	2100	1800	330	110
	Nitrate	-	-	-	-	-	-	-	-	-	-	-
	Nitrate as Nitrogen	-	-	-	-	-	-	-	-	-	-	-
	Perchlorate	2	3.9	0.12	0.24	31	3.3	0.26	31	0.21	3.5	40
	Selenium	74	3.7	0.98	0.83	0.71	92	2.2	0.7	0.82	4.1	0.52
	Silver	600	13	10	4.1	2.6	4400	150	14	24	-	560
	Zinc	2600	220	330	83	47	9600	1800	99	170	120	160
Organic	Acenaphthene	-	-	-	-	-	29000	530	130	160	-	0.25
	Amino-2,6-dinitrotoluene[4-]	-	-	-	-	-	6700	320	12	23	18	33
	Amino-4,6-dinitrotoluene[2-]	-	-	-	-	-	9700	110	16	23	43	14
	Anthracene	-	-	-	-	-	38000	1200	210	300	-	6.8
	Benzo(a)anthracene	28	6.4	0.73	0.8	0.88	110	6.1	4	3.4	-	18
	Benzo(a)pyrene	-	-	-	-	-	3400	260	62	84	-	-
	Benzo(b)fluoranthene	-	-	-	-	-	2400	130	44	51	-	18
	Benzo(g,h,i)perylene	-	-	-	-	-	3600	470	25	46	-	-
	Benzo(k)fluoranthene	-	-	-	-	-	4300	330	71	99	-	-
	Benzoic Acid	-	-	-	-	-	2000	4.6	1	1.3	-	-
	Bis(2-ethylhexyl)phthalate	9.3	0.096	16	0.04	0.02	500	1900	0.6	1.1	-	-
	Chrysene	-	-	-	-	-	110	6.3	3.1	3.1	-	-
	Di-n-Butyl Phthalate	2	0.052	0.38	0.021	0.011	62000	17000	180	360	-	160
	Fluoranthene	-	-	-	-	-	3900	270	22	38	10	-
	HMX	-	-	-	-	-	59000	410	1100	290	16	2700
	Indeno(1,2,3-cd)pyrene	-	-	-	-	-	4600	510	71	110	-	-
	Isopropyltoluene[4-]	-	-	-	-	-	12000	66	23	25	-	200
	Perfluorobutanoic acid	-	-	-	-	-	140	110	51	48	-	640
	Perfluorooctanesulfonic acid	0.048	0.035	0.28	0.022	0.011	0.2	1.6	0.026	0.051	7.7	11
	Perfluorooctanoic acid	-	-	-	-	-	0.6	21	0.74	1.4	50	0.084
	Pyrene	3000	160	68	44	33	3100	110	23	31	10	-
	RDX	780	11	2.3	2.3	2.4	7000	38	16	16	8.4	-
	TATB	-	-	-	-	-	10000	150	720	110	10	-
	TCDD	-	-	-	-	-	0.0001	4.00E-05	2.90E-07	5.80E-07	5	-
	TPH DRO	-	-	-	-	-	-	-	-	-	198	81.2
	Trinitrotoluene[2,4,6-]	3100	1300	7.5	14	120	26000	110	1900	95	32	62

Notes: Table shows inorganics that are above BVs and statistically elevated above background and detected organics.
ESLs are in units of milligram per kilogram (mg/kg)
C - Carnivore
TC – Top carnivore
IC – Insectivore/carnivore
H – Herbivore
I – Insectivore
O – Omnivore

- Indicates no value is available

Table 3-2. Ecological Screening Evaluation Results Using Maximum Detected Soil Concentrations and No Effect ESLs.

COPEC	Maximum Detected Value (mg/kg)	American Kestrel (Avian Top Carnivore)	American Kestrel (Avian Insectivore/ Carnivore)	American Robin (Avian Herbivore)	American Robin (avian omnivore)	American Robin (avian insectivore)	Gray Fox (Mammalian Top Carnivore)	Mountain Cottontail (Mammalian Herbivore)	Montane Shrew (Mammalian Insectivore)	Deer Mouse (Mammalian Omnivore)	Earthworm (Soil-Dwelling Invertebrate)	Generic Plant (Terrestrial Autotroph-Producer)
Inorganic												
Barium	4160	2E-01	6E-01	6E+00	5E+00	5E+00	1E-01	1E+00	2E+00	2E+00	1E+01	4E+01
Nitrate	18.9	-	-	-	-	-	-	-	-	-	-	-
Nitrate as Nitrogen	8.32	-	-	-	-	-	-	-	-	-	-	-
Perchlorate	0.00247	1E-03	6E-04	2E-02	1E-02	8E-05	7E-04	1E-02	8E-05	1E-02	7E-04	6E-05
Selenium	2.03	3E-02	5E-01	2E+00	2E+00	3E+00	2E-02	9E-01	3E+00	2E+00	5E-01	4E+00
Silver	7.95	1E-02	6E-01	8E-01	2E+00	3E+00	2E-03	5E-02	6E-01	3E-01	-	1E-02
Zinc	248	1E-01	1E+00	8E-01	3E+00	5E+00	3E-02	1E-01	3E+00	1E+00	2E+00	2E+00
Organic												
Acenaphthene	0.059	-	-	-	-	-	2E-06	1E-04	5E-04	4E-04	-	2E-01
Amino-2,6-dinitrotoluene[4-]	0.753	-	-	-	-	-	1E-04	2E-03	6E-02	3E-02	4E-02	2E-02
Amino-4,6-dinitrotoluene[2-]	1.16	-	-	-	-	-	1E-04	1E-02	7E-02	5E-02	3E-02	8E-02
Anthracene	0.0935	-	-	-	-	-	2E-06	8E-05	4E-04	3E-04	-	1E-02
Benzo(a)anthracene	0.0255	9E-04	4E-03	3E-02	3E-02	3E-02	2E-04	4E-03	6E-03	8E-03	-	1E-03
Benzo(a)pyrene	0.0226	-	-	-	-	-	7E-06	9E-05	4E-04	3E-04	-	-
Benzo(b)fluoranthene	0.061	-	-	-	-	-	3E-05	5E-04	1E-03	1E-03	-	3E-03
Benzo(g,h,i)perylene	0.0119	-	-	-	-	-	3E-06	3E-05	5E-04	3E-04	-	-
Benzo(k)fluoranthene	0.0179	-	-	-	-	-	4E-06	5E-05	3E-04	2E-04	-	-
Benzoic Acid	0.538	-	-	-	-	-	3E-04	1E-01	5E-01	4E-01	-	-
Bis(2-ethylhexyl)phthalate	3.83	4E-01	4E+01	2E-01	1E+02	2E+02	8E-03	2E-03	6E+00	3E+00	-	-
Chrysene	0.0554	-	-	-	-	-	5E-04	9E-03	2E-02	2E-02	-	-
Di-n-butylphthalate	0.0138	7E-03	3E-01	4E-02	7E-01	1E+00	2E-07	8E-07	8E-05	4E-05	-	9E-05
Fluoranthene	0.0133	-	-	-	-	-	3E-06	5E-05	6E-04	4E-04	1E-03	-
HMX	24.9	-	-	-	-	-	4E-04	6E-02	2E-02	9E-02	2E+00	9E-03
Indeno(1,2,3-cd)pyrene	0.0106	-	-	-	-	-	2E-06	2E-05	1E-04	1E-04	-	-
Isopropyltoluene[4-]	0.000424	-	-	-	-	-	4E-08	6E-06	2E-05	2E-05	-	2E-06
Perfluorobutanoic acid	0.000259	-	-	-	-	-	2E-06	2E-06	5E-06	5E-06	-	4E-07
Perfluorooctanesulfonic acid	0.000224	5E-03	6E-03	8E-04	1E-02	2E-02	1E-03	1E-04	9E-03	4E-03	3E-05	2E-05
Perfluorooctanoic acid	0.000896	-	-	-	-	-	1E-03	4E-05	1E-03	6E-04	2E-05	1E-02
Perfluoropentanoic acid	0.000185	-	-	-	-	-	-	-	-	-	-	-
Pyrene	0.0129	4E-06	8E-05	2E-04	3E-04	4E-04	4E-06	1E-04	6E-04	4E-04	1E-03	-
RDX	48.7	6E-02	4E+00	2E+01	2E+01	2E+01	7E-03	1E+00	3E+00	3E+00	6E+00	-
TATB	1.16E+01	-	-	-	-	-	1E-03	8E-02	2E-02	1E-01	1E+00	-

COPEC	Maximum Detected Value (mg/kg)	American Kestrel (Avian Top Carnivore)	American Kestrel (Avian Insectivore/ Carnivore)	American Robin (Avian Herbivore)	American Robin (avian omnivore)	American Robin (avian insectivore)	Gray Fox (Mammalian Top Carnivore)	Mountain Cottontail (Mammalian Herbivore)	Montane Shrew (Mammalian Insectivore)	Deer Mouse (Mammalian Omnivore)	Earthworm (Soil-Dwelling Invertebrate)	Generic Plant (Terrestrial Autotroph-Producer)
TCDD TEQ	2.17E-04	-	-	-	-	-	2E+00	5E+00	7E+02	4E+02	4E-05	-
TPH DRO	135	-	-	-			-	-	-	-	7E-01	2E+00
Trinitrotoluene[2,4,6-]	1.26	4E-04	1E-03	2E-01	9E-02	1E-02	5E-05	1E-02	7E-04	1E-02	4E-02	2E-02
HI		**8E-01**	**5E+01**	**3E+01**	**1E+02**	**2E+02**	**2E+00**	**1E+01**	**8E+02**	**4E+02**	**2E+01**	**5E+01**

Notes: Analytes shown in this table are above background and have at least one detected value.
Shaded cells indicate the initial screening ratio for HQs > 0.1, and HI > 1
Only detected data from the 0 to 6 foot depth interval are used; only inorganics above BV are evaluated as COPECs to this table

Abbreviations:
DRO – Diesel Range Organics
ESL – Ecological Screening Level
- – Not available
mg/kg – milligram per kilogram
TCDD - Tetrachlorodibenzodioxin[2,3,7,8-]
TEQ – Toxicity Equivalent Quotient
TPH – Total Petroleum Hydrocarbons

Table 3-3. Low Effect (LE) ESLs for COPECs.

COPEC	American Kestrel (avian top carnivore)	American Kestrel (avian insectivore/ carnivore)	American Robin (avian herbivore)	American Robin (avian omnivore)	American Robin (avian insectivore)	Gray Fox (mammalian top carnivore)	Mountain Cottontail (mammalian herbivore)	Montane Shrew (mammalian insectivore)	Deer Mouse (mammalian omnivore)	Earthworm (soil-dwelling invertebrate)	Generic Plant (terrestrial autotroph-producer)
Inorganic											
Barium	44000	13000	1200	1300	1400	190000	14000	10000	8700	3200	260
Nitrate	-	-	-	-	-	-	-	-	-	-	-
Nitrate as Nitrogen	-	-	-	-	-	-	-	-	-	-	-
Perchlorate	4	8	0.24	0.49	64	16	1.3	150	1	35	80
Selenium	140	7.5	1.9	1.6	1.4	130	3.4	1	1.2	41	3
Silver	6000	130	100	41	26	44000	1500	140	240		2800
Zinc	7000	590	870	220	120	94000	18000	980	1700	930	810
Organic											
Acenaphthene	-	-	-	-	-	290000	5300	1300	1600		2
Amino-2,6-dinitrotoluene[4-]	-	-	-	-	-	67000	3200	120	230	180	330
Amino-4,6-dinitrotoluene[2-]	-	-	-	-	-	97000	1100	160	230	430	140
Anthracene	-	-	-	-	-	380000	12000	2100	3000	-	9
Benzo(a)anthracene	280	64	7.3	8	8.8	1100	61	40	34	-	180
Benzo(a)pyrene	-	-	-	-	-	11000	830	190	260	-	-
Benzo(b)fluoranthene	-	-	-	-	-	24000	1300	440	510	-	180
Benzo(g,h,i)perylene	-	-	-	-	-	36000	4700	250	460	-	-
Benzo(k)fluoranthene	-	-	-	-	-	43000	3300	710	990	-	-
Benzoic Acid	-	-	-	-	-	20000	46	10	13	-	-
Bis(2-ethylhexyl)phthalate	93	0.96	160	0.4	0.2	5000	19000	6	11	-	-
Chrysene	-	-	-	-	-	1100	63	31	31	-	-
Di-n-Butyl Phthalate	20	0.52	3.8	0.21	0.11	140000	40000	450	860	-	600
Fluoranthene	-	-	-	-	-	39000	2700	220	380	23	-
HMX	-	-	-	-	-	150000	1100	2900	790	160	3500
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	46000	5100	710	1100	-	-
Isopropyltoluene[4-]	-	-	-	-	-	120000	660	230	250	-	2000
Perfluorobutanoic acid	-	-	-	-	-	350	260	120	120	-	-
Perfluorooctanesulfonic acid	0.48	0.35	2.8	0.22	0.11	0.33	2.8	0.044	0.085	140	33
Perfluorooctanoic acid	-	-	-	-	-	1.2	42	1.4	1.4	-	0.84
Perfluoropentanoic acid	-	-	-	-	-	-	-	-	-	-	-
Pyrene	30000	1600	680	440	330	31000	1100	230	310	20	-
RDX	1400	22	4.3	4.4	4.5	22000	120	53	51	15	-

COPEC	American Kestrel (avian top carnivore)	American Kestrel (avian insectivore/ carnivore)	American Robin (avian herbivore)	American Robin (avian omnivore)	American Robin (avian insectivore)	Gray Fox (mammalian top carnivore)	Mountain Cottontail (mammalian herbivore)	Montane Shrew (mammalian insectivore)	Deer Mouse (mammalian omnivore)	Earthworm (soil-dwelling invertebrate)	Generic Plant (terrestrial autotroph-producer)
TATB	-	-	-	-	-	100000	1500	7200	1100	28	-
TCDD	-	-	-	-	-	6.80E-04	2.70E-04	1.90E-06	3.80E-06	10	-
TPH DRO	-	-	-	-	-	-	-	-	-	1977	419
Trinitrotoluene[2,4,6-]	5700	2400	13	26	220	120000	540	9100	440	58	120

Notes:
" - " – Indicates an ESL is not available
DRO – Diesel Range Organics
ESLs are in units of milligram per kilogram (mg/kg)
TPH - Total Petroleum Hydrocarbons
TCDD - Tetrachlorodibenzodioxin[2,3,7,8-]

Table 3-4. Ecological Risk Evaluation Hazard Quotients With Refined EPCs and LE ESLs.

COPEC	Refined EPC (mg/kg)	American Kestrel (avian top carnivore)	American Kestrel (avian insectivore/carnivore)	American Robin (avian herbivore)	American Robin (avian omnivore)	American Robin (avian insectivore)	Gray Fox (mammalian top carnivore)	Mountain Cottontail (mammalian herbivore)	Montane Shrew (mammalian insectivore)	Deer Mouse (mammalian omnivore)	Earthworm (soil-dwelling invertebrate)	Generic Plant (terrestrial autotroph-producer)
Inorganic												
Barium	1363	3E-02	1E-01	1E+00	1E+00	1E+00	7E-03	1E-01	1E-01	2E-01	4E-01	5E+00
Nitrate	11.53	-	-	-	-	-	-	-	-	-	-	-
Nitrate as Nitrogen	3.482	-	-	-	-	-	-	-	-	-	-	-
Perchlorate	7.37E-04	2E-04	9E-05	3E-03	2E-03	1E-05	5E-05	6E-04	5E-06	7E-04	2E-05	9E-06
Selenium	0.883	6E-03	1E-01	5E-01	6E-01	6E-01	7E-03	3E-01	9E-01	7E-01	2E-02	3E-01
Silver	1.707	3E-04	1E-02	2E-02	4E-02	7E-02	4E-05	1E-03	1E-02	7E-03	-	6E-04
Zinc	62.98	9E-03	1E-01	7E-02	3E-01	5E-01	7E-04	3E-03	6E-02	4E-02	7E-02	8E-02
Organic												
Acenaphthene	0.010	-	-	-	-	-	3E-08	2E-06	8E-06	6E-06	-	5E-03
Amino-2,6-dinitrotoluene[4-]	0.225	-	-	-	-	-	3E-06	7E-05	2E-03	1E-03	1E-03	7E-04
Amino-4,6-dinitrotoluene[2-]	0.149	-	-	-	-	-	2E-06	1E-04	9E-04	6E-04	3E-04	1E-03
Anthracene	0.010	-	-	-	-	-	3E-08	8E-07	5E-06	3E-06	-	1E-03
Benzo(a)anthracene	0.0255	9E-05	4E-04	3E-03	3E-03	3E-03	2E-05	4E-04	6E-04	8E-04	-	1E-04
Benzo(a)pyrene	0.0226	-	-	-	-	-	2E-06	3E-05	1E-04	9E-05	-	-
Benzo(b)fluoranthene	0.061	-	-	-	-	-	3E-06	5E-05	1E-04	1E-04	-	3E-04
Benzo(g,h,i)perylene	0.0119	-	-	-	-	-	3E-07	3E-06	5E-05	3E-05	-	-
Benzo(k)fluoranthene	0.0179	-	-	-	-	-	4E-07	5E-06	3E-05	2E-05	-	-
Benzoic Acid	0.279	-	-	-	-	-	1E-05	6E-03	3E-02	2E-02	-	-
Bis(2-ethylhexyl)phthalate	0.483	5E-03	5E-01	3E-03	1E+00	2E+00	1E-04	3E-05	8E-02	4E-02	-	-
Chrysene	0.0554	-	-	-	-	-	5E-05	9E-04	2E-03	2E-03	-	-
Di-n-butylphthalate	0.0138	7E-04	3E-02	4E-03	7E-02	1E-01	1E-07	3E-07	3E-05	2E-05	-	2E-05
Fluoranthene	0.0133	-	-	-	-	-	3E-07	5E-06	6E-05	4E-05	6E-04	-
HMX	2.376	-	-	-	-	-	2E-05	2E-03	8E-04	3E-03	1E-02	7E-04
Indeno(1,2,3-cd)pyrene	0.0106	-	-	-	-	-	2E-07	2E-06	1E-05	1E-05	-	-
Isopropyltoluene[4-]	0.0004	-	-	-	-	-	4E-09	6E-07	2E-06	2E-06	-	2E-07
Perfluorobutanoic acid	0.0002	-	-	-	-	-	6E-07	8E-07	2E-06	2E-06	-	-
Perfluorooctanesulfonic acid	0.0002	5E-04	6E-04	8E-05	1E-03	2E-03	7E-04	8E-05	5E-03	3E-03	2E-06	7E-06
Perfluorooctanoic acid	0.0009	-	-	-	-	-	7E-04	2E-05	6E-04	6E-04	-	1E-03
Perfluoropentanoic acid	0.0002	-	-	-	-	-	-	-	-	-	-	-
Pyrene	0.0129	4E-07	8E-06	2E-05	3E-05	4E-05	4E-07	1E-05	6E-05	4E-05	6E-04	-

COPEC	Refined EPC (mg/kg)	American Kestrel (avian top carnivore)	American Kestrel (avian insectivore/carnivore)	American Robin (avian herbivore)	American Robin (avian omnivore)	American Robin (avian insectivore)	Gray Fox (mammalian top carnivore)	Mountain Cottontail (mammalian herbivore)	Montane Shrew (mammalian insectivore)	Deer Mouse (mammalian omnivore)	Earthworm (soil-dwelling invertebrate)	Generic Plant (terrestrial autotroph-producer)
RDX	7.460	5E-03	3E-01	2E+00	2E+00	2E+00	3E-04	6E-02	1E-01	1E-01	5E-01	-
TATB	1.957	-	-	-	-	-	2E-05	1E-03	3E-04	2E-03	7E-02	-
TCDD TEQ	1.88E-05	-	-	-	-	-	3E-02	7E-02	1E+01	5E+00	2E-06	-
TPH DRO	23.31	-	-	-	-	-	-	-	-	-	1E-02	6E-02
Trinitrotoluene[2,4,6-]	0.302	5E-05	1E-04	2E-02	1E-02	1E-03	3E-06	6E-04	3E-05	7E-04	5E-03	3E-03
Hazard Index		**6E-02**	**1E+00**	**3E+00**	**5E+00**	**6E+00**	**4E-02**	**5E-01**	**1E+01**	**6E+00**	**1E+00**	**6E+00**

Notes: Shaded cells represent HQs>0.1 or Hazard Index >1.
" - " indicates an ESL was not available and an HQ cannot be calculated.
Hazard Index is the sum of all HQs
See Tables 3-5 to 3-8 for dioxin/furan calculations and Table 2-8 for information regarding the UCL95 values for other organics
Abbreviations:

DRO - Diesel Range Organics
EPC – Exposure Point Concentration
HQ – Hazard Quotient
LE – Low Effect
mg/kg – milligram per kilogram
NA – Not applicable
TCDD - Tetrachlorodibenzodioxin[2,3,7,8-]
TEQ – Toxicity Equivalent Quotient
UCL95 – Upper 95th percent confidence limit

Table 3-5. Toxic Equivalency Factors (TEFs) Used for Calculating TCDD Equivalent Concentrations for Mammals and Birds

Name	CAS	Mammalian TEF[a]	Avian TEF[b]
Chlorinated dibenzo-p-dioxins			
2,3,7,8-TCDD	1746-01-6	1	1
1,2,3,7,8-PeCDD	40321-76-4	1	1
1,2,3,4,7,8-HxCDD	39227-28-6	0.1	0.05
1,2,3,6,7,8-HxCDD	57653-85-7	0.1	0.01
1,2,3,7,8,9-HxCDD	19408-74-3	0.1	0.1
1,2,3,4,6,7,8-HpCDD	35822-46-9	0.01	0.001
OCDD	3268-87-9	0.0003	0.0001
Chlorinated dibenzofurans			
2,3,7,8-TCDF	51207-31-9	0.1	1
1,2,3,7,8-PeCDF	57117-41-6	0.03	0.1
2,3,4,7,8-PeCDF	57117-31-4	0.3	0.1
1,2,3,4,7,8-HxCDF	70648-26-9	0.1	1
1,2,3,6,7,8-HxCDF	57117-44-9	0.1	0.1
1,2,3,7,8,9-HxCDF	72918-21-9	0.1	0.1
2,3,4,6,7,8-HxCDF	60851-34-5	0.1	0.1
1,2,3,4,6,7,8-HpCDF	67562-39-4	0.01	0.01
1,2,3,4,7,8,9-HpCDF	55673-89-7	0.01	0.01
OCDF	39001-02-0	0.0003	0.0001

Notes:
TEF – Toxicity Equivalency Factor
[a] EPA (2010b); WHO (2009)
[b] Van den Berg et al. (1998).

Table 3-6. Dioxin-Furan Concentrations, TECs, and TEQs for Mammals by Sample

Parameter Name	SFB-23-295629		SFB-23-295630		SFB-23-295631		SFB-23-295632		SFB-23-295634		SFB-23-295636		SFB-23-295635		SFB-23-295637		SFB-23-295638		SFB-23-295639	
	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	3.75E-05	1	4.12E-06	1	1.83E-04	1	2.57E-04	1	1.20E-06	1	1.24E-05	1	1.67E-05	1	9.36E-05	1	1.22E-04	1	5.65E-03	1
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	1.70E-05	1	1.86E-06	1	6.09E-05	1	7.92E-05	1	7.02E-07	1	4.00E-06	1	5.76E-06	1	3.19E-05	1	4.04E-05	1	1.86E-03	1
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.27E-06	1	1.18E-06	0	3.33E-06	1	5.38E-06	1	1.18E-06	0	1.18E-06	0	5.96E-07	1	1.81E-06	1	2.66E-06	1	1.08E-04	1
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	1.01E-06	1	1.24E-06	0	3.90E-06	1	3.31E-06	1	1.24E-06	0	1.24E-06	0	8.16E-07	1	1.94E-06	1	2.48E-06	1	1.34E-04	1
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	1.47E-06	1	1.15E-06	0	7.21E-06	1	9.13E-06	1	1.15E-06	0	6.96E-07	1	8.96E-07	1	3.60E-06	1	4.33E-06	1	2.21E-04	1
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.60E-06	1	1.34E-06	0	7.79E-06	1	8.40E-06	1	1.35E-06	0	6.53E-07	1	9.56E-07	1	4.51E-06	1	5.23E-06	1	2.53E-04	1
Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.97E-06	1	5.32E-07	1	2.92E-06	1	3.51E-06	1	1.13E-06	0	9.73E-07	1	1.24E-06	1	1.51E-06	1	1.68E-06	1	5.97E-05	1
Hexachlorodibenzofuran[1,2,3,6,7,8-]	1.35E-06	1	9.91E-07	0	3.32E-06	1	3.04E-06	1	9.96E-07	0	9.93E-07	0	6.94E-07	1	1.29E-06	1	1.55E-06	1	6.66E-05	1
Hexachlorodibenzofuran[1,2,3,7,8,9-]	1.39E-06	0	1.39E-06	0	1.38E-06	0	1.39E-06	0	1.39E-06	0	1.39E-06	0	1.40E-06	0	1.39E-06	0	1.40E-06	0	6.82E-06	1
Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.69E-06	1	1.20E-06	0	3.84E-06	1	3.83E-06	1	1.20E-06	0	6.21E-07	1	9.38E-07	1	1.69E-06	1	1.93E-06	1	9.98E-05	1
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	2.45E-04	1	2.40E-05	1	1.02E-03	1	1.35E-03	1	5.76E-06	1	6.64E-05	1	9.23E-05	1	6.09E-04	1	7.68E-04	1	3.14E-02	1
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	2.65E-05	1	3.00E-06	1	1.09E-04	1	2.03E-04	1	4.64E-06	0	5.74E-06	1	7.91E-06	1	5.38E-05	1	7.66E-05	1	3.57E-03	1
Pentachlorodibenzodioxin[1,2,3,7,8-]	5.48E-07	1	1.29E-06	0	1.66E-06	1	1.15E-06	1	1.30E-06	0	1.30E-06	0	5.86E-07	1	8.81E-07	1	9.21E-07	1	4.09E-05	1
Pentachlorodibenzofuran[1,2,3,7,8-]	1.38E-06	1	1.14E-06	0	1.44E-06	1	1.03E-06	1	1.15E-06	0	9.25E-07	1	1.31E-06	1	8.69E-07	1	1.31E-06	1	5.99E-06	1
Pentachlorodibenzofuran[2,3,4,7,8-]	1.27E-06	1	1.28E-06	0	1.21E-06	1	8.81E-07	1	1.29E-06	0	5.95E-07	1	8.08E-07	1	1.29E-06	0	1.29E-06	0	9.03E-06	1
Tetrachlorodibenzodioxin[2,3,7,8-]	2.65E-07	0	2.65E-07	0	4.64E-07	1	2.66E-07	0	2.66E-07	0	2.65E-07	0	2.66E-07	0	3.85E-07	1	4.34E-07	1	2.51E-06	1
Tetrachlorodibenzofuran[2,3,7,8-]	4.00E-07	0	3.98E-07	0	9.55E-07	1	7.18E-07	1	4.00E-07	0	3.99E-07	0	4.01E-07	0	3.99E-07	0	4.01E-07	0	2.00E-06	0
Congener Name	**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**	
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	3.75E-07		4.12E-08		1.83E-06		2.57E-06		1.20E-08		1.24E-07		1.67E-07		9.36E-07		1.22E-06		5.65E-05	
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	1.70E-07		1.86E-08		6.09E-07		7.92E-07		7.02E-09		4.00E-08		5.76E-08		3.19E-07		4.04E-07		1.86E-05	
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.27E-08		1.18E-08		3.33E-08		5.38E-08		1.18E-08		1.18E-08		5.96E-09		1.81E-08		2.66E-08		1.08E-06	
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	1.01E-07		1.24E-07		3.90E-07		3.31E-07		1.24E-07		1.24E-07		8.16E-08		1.94E-07		2.48E-07		1.34E-05	
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	1.47E-07		1.15E-07		7.21E-07		9.13E-07		1.15E-07		6.96E-08		8.96E-08		3.60E-07		4.33E-07		2.21E-05	
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.60E-07		1.34E-07		7.79E-07		8.40E-07		1.35E-07		6.53E-08		9.56E-08		4.51E-07		5.23E-07		2.53E-05	
Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.97E-07		5.32E-08		2.92E-07		3.51E-07		1.13E-07		9.73E-08		1.24E-07		1.51E-07		1.68E-07		5.97E-06	
Hexachlorodibenzofuran[1,2,3,6,7,8-]	1.35E-07		9.91E-08		3.32E-07		3.04E-07		9.96E-08		9.93E-08		6.94E-08		1.29E-07		1.55E-07		6.66E-06	
Hexachlorodibenzofuran[1,2,3,7,8,9-]	1.39E-07		1.39E-07		1.38E-07		1.39E-07		1.39E-07		1.39E-07		1.40E-07		1.39E-07		1.40E-07		6.82E-07	
Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.69E-07		1.20E-07		3.84E-07		3.83E-07		1.20E-07		6.21E-08		9.38E-08		1.69E-07		1.93E-07		9.98E-06	
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	7.35E-08		7.20E-09		3.06E-07		4.05E-07		1.73E-09		1.99E-08		2.77E-08		1.83E-07		2.30E-07		9.42E-06	
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	7.95E-09		9.00E-10		3.27E-08		6.09E-08		1.39E-09		1.72E-09		2.37E-09		1.61E-08		2.30E-08		1.07E-06	
Pentachlorodibenzodioxin[1,2,3,7,8-]	5.48E-07		1.29E-06		1.66E-06		1.15E-06		1.30E-06		1.30E-06		5.86E-07		8.81E-07		9.21E-07		4.09E-05	
Pentachlorodibenzofuran[1,2,3,7,8-]	4.14E-08		3.42E-08		4.32E-08		3.09E-08		3.45E-08		2.78E-08		3.93E-08		2.61E-08		3.93E-08		1.80E-07	
Pentachlorodibenzofuran[2,3,4,7,8-]	3.81E-07		3.84E-07		3.63E-07		2.64E-07		3.87E-07		1.79E-07		2.42E-07		3.87E-07		3.87E-07		2.71E-06	
Tetrachlorodibenzodioxin[2,3,7,8-]	2.65E-07		2.65E-07		4.64E-07		2.66E-07		2.66E-07		2.65E-07		2.66E-07		3.85E-07		4.34E-07		2.51E-06	
Tetrachlorodibenzofuran[2,3,7,8-]	4.00E-08		3.98E-08		9.55E-08		7.18E-08		4.00E-08		3.99E-08		4.01E-08		3.99E-08		4.01E-08		2.00E-07	
	2.96E-06		***2.88E-06***		***8.47E-06***		***8.93E-06***		***2.91E-06***		***2.67E-06***		***2.13E-06***		***4.78E-06***		***5.59E-06***		***2.17E-04***	

Table 3-6. Dioxin-Furan Concentrations, TECs, and TEQs for Mammals by Sample, cont.

Parameter Name	SFB-23-295640		SFB-23-295641		SFB-23-295642		SFB-23-295643		SFB-23-295644		SFB-23-295647		SFB-23-295648		SFB-23-295649		SFB-23-295650		SFB-23-295651	
	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code
Heptachlorodibenzodioxin[1,2,3,4,6,7,8	2.48E-03	1	1.13E-05	1	1.57E-05	1	1.80E-06	1	2.27E-06	0	6.03E-07	1	3.76E-05	1	1.40E-06	1	1.10E-05	1	7.44E-05	1
Heptachlorodibenzofuran[1,2,3,4,6,7,8-	8.42E-04	1	4.66E-06	1	7.53E-06	1	9.57E-07	1	1.22E-06	0	5.36E-07	1	1.26E-05	1	6.35E-07	1	4.13E-06	1	2.78E-05	1
Heptachlorodibenzofuran[1,2,3,4,7,8,9-	5.02E-05	1	1.19E-06	0	5.42E-07	1	1.17E-06	0	1.18E-06	0	1.17E-06	0	1.71E-06	1	1.17E-06	0	1.17E-06	0	1.54E-06	1
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	5.41E-05	1	1.25E-06	0	1.24E-06	0	1.22E-06	0	1.24E-06	0	1.23E-06	0	7.24E-07	1	1.23E-06	0	1.23E-06	0	1.63E-06	1
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	9.63E-05	1	1.15E-06	0	6.98E-07	1	1.13E-06	0	1.14E-06	0	1.14E-06	0	1.00E-06	1	1.14E-06	0	1.14E-06	0	3.15E-06	1
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.05E-04	1	5.68E-07	1	6.84E-07	1	1.33E-06	0	1.34E-06	0	1.34E-06	0	7.63E-07	1	1.33E-06	0	1.33E-06	0	3.39E-06	1
Hexachlorodibenzofuran[1,2,3,4,7,8-]	2.56E-05	1	1.14E-06	0	8.77E-07	1	1.12E-06	0	1.13E-06	0	1.12E-06	0	1.09E-06	0	1.12E-06	0	1.12E-06	0	1.96E-06	1
Hexachlorodibenzofuran[1,2,3,6,7,8-]	2.72E-05	1	9.99E-07	0	9.95E-07	0	9.81E-07	0	9.91E-07	0	9.86E-07	0	9.57E-07	0	9.84E-07	0	9.83E-07	0	1.54E-06	1
Hexachlorodibenzofuran[1,2,3,7,8,9-]	3.51E-06	1	1.40E-06	0	1.39E-06	0	1.37E-06	0	1.39E-06	0	1.38E-06	0	1.34E-06	0	1.38E-06	0	1.37E-06	0	1.38E-06	0
Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.29E-05	1	1.21E-06	0	6.82E-07	1	1.18E-06	0	1.20E-06	0	1.19E-06	0	1.16E-06	0	1.19E-06	0	1.19E-06	0	1.89E-06	1
Octachlorodibenzodioxin[1,2,3,4,6,7,8,	1.30E-02	1	6.40E-05	1	1.12E-04	1	8.82E-06	1	3.49E-06	0	3.23E-06	1	4.20E-04	1	6.23E-06	1	6.48E-05	1	4.61E-04	1
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-	1.61E-03	1	5.51E-06	1	1.46E-05	1	1.23E-06	1	4.62E-06	0	4.59E-06	0	1.12E-04	1	4.58E-06	0	5.41E-06	1	5.04E-05	1
Pentachlorodibenzodioxin[1,2,3,7,8-]	1.72E-05	1	1.30E-06	0	1.30E-06	0	1.28E-06	0	1.29E-06	0	1.29E-06	0	1.25E-06	0	1.28E-06	0	1.28E-06	0	8.71E-07	1
Pentachlorodibenzofuran[1,2,3,7,8-]	2.57E-06	1	1.15E-06	0	9.01E-07	1	1.13E-06	0	1.14E-06	0	1.14E-06	0	1.10E-06	0	1.14E-06	0	1.13E-06	0	1.46E-06	1
Pentachlorodibenzofuran[2,3,4,7,8-]	3.76E-06	1	1.29E-06	0	1.29E-06	0	1.27E-06	0	1.28E-06	0	1.28E-06	0	1.24E-06	0	1.27E-06	0	1.27E-06	0	6.77E-07	1
Tetrachlorodibenzodioxin[2,3,7,8-]	9.72E-07	1	2.67E-07	0	2.66E-07	0	2.62E-07	0	2.64E-07	0	2.63E-07	0	2.55E-07	0	2.63E-07	0	2.62E-07	0	2.64E-07	0
Tetrachlorodibenzofuran[2,3,7,8-]	2.00E-06	0	4.01E-07	0	4.00E-07	0	3.94E-07	0	3.98E-07	0	3.96E-07	0	3.84E-07	0	3.95E-07	0	3.54E-07	1	5.82E-07	1
Congener Name	**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**	
Heptachlorodibenzodioxin[1,2,3,4,6,7,8	2.48E-05		1.13E-07		1.57E-07		1.80E-08		2.27E-08		6.03E-09		3.76E-07		1.40E-08		1.10E-07		7.44E-07	
Heptachlorodibenzofuran[1,2,3,4,6,7,8-	8.42E-06		4.66E-08		7.53E-08		9.57E-09		1.22E-08		5.36E-09		1.26E-07		6.35E-09		4.13E-08		2.78E-07	
Heptachlorodibenzofuran[1,2,3,4,7,8,9-	5.02E-07		1.19E-08		5.42E-09		1.17E-08		1.18E-08		1.17E-08		1.71E-08		1.17E-08		1.17E-08		1.54E-08	
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	5.41E-06		1.25E-07		1.24E-07		1.22E-07		1.24E-07		1.23E-07		7.24E-08		1.23E-07		1.23E-07		1.63E-07	
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	9.63E-06		1.15E-07		6.98E-08		1.13E-07		1.14E-07		1.14E-07		1.00E-07		1.14E-07		1.14E-07		3.15E-07	
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.05E-05		5.68E-08		6.84E-08		1.33E-07		1.34E-07		1.34E-07		7.63E-08		1.33E-07		1.33E-07		3.39E-07	
Hexachlorodibenzofuran[1,2,3,4,7,8-]	2.56E-06		1.14E-07		8.77E-08		1.12E-07		1.13E-07		1.12E-07		1.09E-07		1.12E-07		1.12E-07		1.96E-07	
Hexachlorodibenzofuran[1,2,3,6,7,8-]	2.72E-06		9.99E-08		9.95E-08		9.81E-08		9.91E-08		9.86E-08		9.57E-08		9.84E-08		9.83E-08		1.54E-07	
Hexachlorodibenzofuran[1,2,3,7,8,9-]	3.51E-07		1.40E-07		1.39E-07		1.37E-07		1.39E-07		1.38E-07		1.34E-07		1.38E-07		1.37E-07		1.38E-07	
Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.29E-06		1.21E-07		6.82E-08		1.18E-07		1.20E-07		1.19E-07		1.16E-07		1.19E-07		1.19E-07		1.89E-07	
Octachlorodibenzodioxin[1,2,3,4,6,7,8,	3.90E-06		1.92E-08		3.36E-08		2.65E-09		1.05E-09		9.69E-10		1.26E-07		1.87E-09		1.94E-08		1.38E-07	
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-	4.83E-07		1.65E-09		4.38E-09		3.69E-10		1.39E-09		1.38E-09		3.36E-08		1.37E-09		1.62E-09		1.51E-08	
Pentachlorodibenzodioxin[1,2,3,7,8-]	1.72E-05		1.30E-06		1.30E-06		1.28E-06		1.29E-06		1.29E-06		1.25E-06		1.28E-06		1.28E-06		8.71E-07	
Pentachlorodibenzofuran[1,2,3,7,8-]	7.71E-08		3.45E-08		2.70E-08		3.39E-08		3.42E-08		3.42E-08		3.30E-08		3.42E-08		3.39E-08		4.38E-08	
Pentachlorodibenzofuran[2,3,4,7,8-]	1.13E-06		3.87E-07		3.87E-07		3.81E-07		3.84E-07		3.84E-07		3.72E-07		3.81E-07		3.81E-07		2.03E-07	
Tetrachlorodibenzodioxin[2,3,7,8-]	9.72E-07		2.67E-07		2.66E-07		2.62E-07		2.64E-07		2.63E-07		2.55E-07		2.63E-07		2.62E-07		2.64E-07	
Tetrachlorodibenzofuran[2,3,7,8-]	2.00E-07		4.01E-08		4.00E-08		3.94E-08		3.98E-08		3.96E-08		3.84E-08		3.95E-08		3.54E-08		5.82E-08	
	9.31E-05		**2.99E-06**		**2.95E-06**		**2.87E-06**		**2.90E-06**		**2.87E-06**		**3.33E-06**		**2.87E-06**		**3.01E-06**		**4.12E-06**	

Table 3-6. Dioxin-Furan Concentrations, TECs, and TEQs for Mammals by Sample, cont.

Parameter Name	09RCRA695		09RCRA697		09RCRA699		09RCRA701		09RCRA703		09RCRA705		09RCRA707		09RCRA709	
	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	4.50E-06	1	8.35E-06	1	1.31E-05	1	8.37E-06	1	3.67E-05	1	3.66E-05	1	2.01E-05	1	3.23E-05	1
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	2.33E-06	1	3.50E-06	1	4.30E-06	1	3.05E-06	1	1.27E-05	1	1.13E-05	1	7.27E-06	1	8.71E-06	1
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.36E-07	0	4.44E-07	0	4.48E-07	0	4.66E-07	0	1.02E-06	1	9.20E-07	1	7.30E-07	1	7.41E-07	1
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.36E-07	0	4.44E-07	0	4.48E-07	0	4.66E-07	0	7.33E-07	1	7.41E-07	1	4.44E-07	0	7.71E-07	1
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.36E-07	0	4.67E-07	1	5.61E-07	1	4.66E-07	0	1.58E-06	1	1.40E-06	1	7.53E-07	1	1.28E-06	1
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.36E-07	0					4.66E-07	0	1.65E-06	1	1.49E-06	1	8.03E-07	1		
Hexachlorodibenzofuran[1,2,3,4,7,8-]	6.73E-07	1	5.88E-07	1	5.83E-07	1	4.66E-07	0	9.55E-07	1	7.64E-07	1	7.87E-07	1	7.66E-07	1
Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.36E-07	0	4.53E-07	1	4.82E-07	1	4.66E-07	0	8.90E-07	1			7.41E-07	1	7.37E-07	1
Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.36E-07	0	4.44E-07	0	4.48E-07	0	4.66E-07	0	4.64E-07	0	4.60E-07	0	4.44E-07	0	4.44E-07	0
Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.36E-07	0	6.30E-07	1	5.67E-07	1	4.66E-07	0	1.13E-06	1	9.33E-07	1			8.63E-07	1
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3.41E-05	1	8.61E-05	1	1.02E-04	1	5.06E-05	1	2.09E-04	1	2.08E-04	1	1.29E-04	1	1.85E-04	1
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	3.98E-06	1	1.25E-05	1	1.27E-05	1	5.82E-06	1	2.93E-05	1	2.79E-05	1	1.95E-05	1	2.19E-05	1
Pentachlorodibenzodioxin[1,2,3,7,8-]	4.36E-07	0	4.44E-07	0	4.48E-07	0	4.66E-07	0	4.64E-07	0	4.60E-07	0	4.44E-07	0		
Pentachlorodibenzofuran[1,2,3,7,8-]	1.59E-06	1	4.83E-07	1	8.30E-07	1	4.66E-07	0	4.64E-07	0	4.60E-07	0	5.72E-07	1	4.76E-07	1
Pentachlorodibenzofuran[2,3,4,7,8-]	4.36E-07	0	5.13E-07	1	4.48E-07	0	4.66E-07	0	4.66E-07	1	4.60E-07	0	6.77E-07	1		
Tetrachlorodibenzodioxin[2,3,7,8-]	9.11E-08	0	1.03E-07	1	1.33E-07	1	9.37E-08	0	6.18E-07	1	1.11E-07	0			5.49E-07	1
Tetrachlorodibenzofuran[2,3,7,8-]	3.14E-06	1	6.59E-07	1			1.14E-06	1	1.82E-07	0	5.45E-07	1			5.95E-07	1

Congener Name	TECi		TECi		TECi		TECi		TECi		TECi		TECi		TECi	
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	4.50E-08		8.35E-08		1.31E-07		8.37E-08		3.67E-07		3.66E-07		2.01E-07		3.23E-07	
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	2.33E-08		3.50E-08		4.30E-08		3.05E-08		1.27E-07		1.13E-07		7.27E-08		8.71E-08	
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.36E-09		4.44E-09		4.48E-09		4.66E-09		1.02E-08		9.20E-09		7.30E-09		7.41E-09	
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.36E-08		4.44E-08		4.48E-08		4.66E-08		7.33E-08		7.41E-08		4.44E-08		7.71E-08	
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.36E-08		4.67E-08		5.61E-08		4.66E-08		1.58E-07		1.40E-07		7.53E-08		1.28E-07	
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.36E-08		0.00E+00		0.00E+00		4.66E-08		1.65E-07		1.49E-07		8.03E-08		0.00E+00	
Hexachlorodibenzofuran[1,2,3,4,7,8-]	6.73E-08		5.88E-08		5.83E-08		4.66E-08		9.55E-08		7.64E-08		7.87E-08		7.66E-08	
Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.36E-08		4.53E-08		4.82E-08		4.66E-08		8.90E-08		0.00E+00		7.41E-08		7.37E-08	
Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.36E-08		4.44E-08		4.48E-08		4.66E-08		4.64E-08		4.60E-08		4.44E-08		4.44E-08	
Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.36E-08		6.30E-08		5.67E-08		4.66E-08		1.13E-07		9.33E-08		0.00E+00		8.63E-08	
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.02E-08		2.58E-08		3.06E-08		1.52E-08		6.27E-08		6.24E-08		3.87E-08		5.55E-08	
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.19E-09		3.75E-09		3.81E-09		1.75E-09		8.79E-09		8.37E-09		5.85E-09		6.57E-09	
Pentachlorodibenzodioxin[1,2,3,7,8-]	4.36E-07		4.44E-07		4.48E-07		4.66E-07		4.64E-07		4.60E-07		4.44E-07		0.00E+00	
Pentachlorodibenzofuran[1,2,3,7,8-]	4.77E-08		1.45E-08		2.49E-08		1.40E-08		1.39E-08		1.38E-08		1.72E-08		1.43E-08	
Pentachlorodibenzofuran[2,3,4,7,8-]	1.31E-07		1.54E-07		1.34E-07		1.40E-07		1.40E-07		1.38E-07		2.03E-07		0.00E+00	
Tetrachlorodibenzodioxin[2,3,7,8-]	9.11E-08		1.03E-07		1.33E-07		9.37E-08		6.18E-07		1.11E-07		0.00E+00		5.49E-07	
Tetrachlorodibenzofuran[2,3,7,8-]	3.14E-07		6.59E-08		0.00E+00		1.14E-07		1.82E-08		5.45E-08		0.00E+00		5.95E-08	
TEQ	**1.43E-06**		**1.24E-06**		**1.26E-06**		**1.29E-06**		**2.57E-06**		**1.92E-06**		**1.39E-06**		**1.59E-06**	

Table 3-6. Dioxin-Furan Concentrations, TECs, and TEQs for Mammals by Sample, cont.

Parameter Name	09RCRA711		09RCRA731		RE16-12-17672		RE16-12-17678		RE16-12-17679		RE16-12-17680		WST16-13-29794		WST16-19-181361		WST16-19-181362		WST16-19-181363	
	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code
Heptachlorodibenzodioxin[1,2,3,4,6,7,8	9.00E-04	1	5.93E-06	1	1.20E-05	1	1.49E-05	1	8.02E-05	1	1.70E-03	1	9.21E-05	1	2.15E-05	1	2.40E-05	1	6.19E-06	1
Heptachlorodibenzofuran[1,2,3,4,6,7,8-	2.88E-04	1	2.02E-06	1	5.75E-06	1	2.94E-06	1	2.57E-05	1	5.61E-04	1	3.96E-05	1	9.10E-06	1	5.40E-06	1	1.22E-06	1
Heptachlorodibenzofuran[1,2,3,4,7,8,9-	1.92E-05	1	4.42E-07	0	1.73E-06	0	1.71E-06	0	1.50E-06	1	3.30E-05	1	1.97E-06	1	5.71E-07	1	1.58E-06	0	1.57E-06	0
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	1.79E-05	1	4.42E-07	0	1.73E-06	0	1.71E-06	0	1.61E-06	1	3.08E-05	1	2.45E-06	1	7.03E-07	1	5.72E-07	1	1.57E-06	0
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	3.33E-05	1	4.42E-07	0	8.23E-07	1	7.55E-07	1	3.69E-06	1	7.18E-05	1	4.76E-06	1	1.13E-06	1	8.53E-07	1	1.57E-06	0
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.07E-05	1	4.42E-07	0	1.73E-06	0	6.99E-07	1	4.34E-06	1	8.71E-05	1	5.94E-06	1	1.04E-06	1	7.43E-07	1	1.57E-06	0
Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.21E-05	1	4.42E-07	0	9.68E-07	1	1.71E-06	0	9.85E-07	1	1.69E-05	1	1.15E-06	1	8.72E-07	1	8.57E-07	1	1.57E-06	0
Hexachlorodibenzofuran[1,2,3,6,7,8-]	1.44E-05	1	4.42E-07	0	9.02E-07	1	1.71E-06	0	1.32E-06	1	2.23E-05	1	1.87E-06	1	7.59E-07	1	1.58E-06	0	1.57E-06	0
Hexachlorodibenzofuran[1,2,3,7,8,9-]	2.02E-06	1	4.42E-07	0	1.73E-06	0	1.71E-06	0	1.71E-06	0	2.88E-06	1	1.69E-06	0	1.55E-06	0	1.58E-06	0	1.57E-06	0
Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.78E-05	1	4.42E-07	0	7.80E-07	1	1.71E-06	0	1.57E-06	1	2.66E-05	1	2.21E-06	1	1.03E-06	1	1.58E-06	0	1.57E-06	0
Octachlorodibenzodioxin[1,2,3,4,6,7,8,	4.80E-03	1	3.18E-05	1	6.68E-05	1	1.09E-04	1	4.81E-04	1			5.63E-04	1	1.26E-04	1	1.71E-04	1	4.61E-05	1
Octachlorodibenzofuran[1,2,3,4,6,7,8,9	6.57E-04	1	3.64E-06	1	8.05E-06	1	1.01E-05	1	4.94E-05	1	1.28E-03	1	6.17E-05	1	1.45E-05	1	1.93E-05	1	4.89E-06	1
Pentachlorodibenzodioxin[1,2,3,7,8-]	6.99E-06	1	4.42E-07	0	1.73E-06	0	1.71E-06	0	8.39E-07	1	1.11E-05	1	6.20E-07	1	1.55E-06	0	1.58E-06	0	1.57E-06	0
Pentachlorodibenzofuran[1,2,3,7,8-]	1.65E-06	1	4.42E-07	0	7.01E-07	1	1.71E-06	0	6.50E-07	1	1.77E-06	1	1.69E-06	0	6.81E-07	1	8.34E-07	1	1.57E-06	0
Pentachlorodibenzofuran[2,3,4,7,8-]	1.97E-06	1	4.42E-07	0	1.73E-06	0	1.71E-06	0	1.71E-06	0	3.00E-06	1	1.69E-06	0	1.55E-06	0	1.58E-06	0	1.57E-06	0
Tetrachlorodibenzodioxin[2,3,7,8-]	1.34E-06	1	4.61E-07	1	3.46E-07	0	3.44E-07	0	4.17E-07	1	1.49E-06	1	3.38E-07	0	3.10E-07	0	2.10E-07	1	3.12E-07	0
Tetrachlorodibenzofuran[2,3,7,8-]	1.51E-06	1	2.45E-07	1	3.46E-07	0	3.44E-07	0	3.43E-07	0	3.43E-07	0	3.38E-07	0	3.10E-07	0	3.16E-07	0	3.12E-07	0
Congener Name	**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**		**TECi**	
Heptachlorodibenzodioxin[1,2,3,4,6,7,8	9.00E-06		5.93E-08		1.20E-07		1.49E-07		8.02E-07		1.70E-05		9.21E-07		2.15E-07		2.40E-07		6.19E-08	
Heptachlorodibenzofuran[1,2,3,4,6,7,8-	2.88E-06		2.02E-08		5.75E-08		2.94E-08		2.57E-07		5.61E-06		3.96E-07		9.10E-08		5.40E-08		1.22E-08	
Heptachlorodibenzofuran[1,2,3,4,7,8,9-	1.92E-07		4.42E-09		1.73E-08		1.71E-08		1.50E-08		3.30E-07		1.97E-08		5.71E-09		1.58E-08		1.57E-08	
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	1.79E-06		4.42E-08		1.73E-07		1.71E-07		1.61E-07		3.08E-06		2.45E-07		7.03E-08		5.72E-08		1.57E-07	
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	3.33E-06		4.42E-08		8.23E-08		7.55E-08		3.69E-07		7.18E-06		4.76E-07		1.13E-07		8.53E-08		1.57E-07	
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.07E-06		4.42E-08		1.73E-07		6.99E-08		4.34E-07		8.71E-06		5.94E-07		1.04E-07		7.43E-08		1.57E-07	
Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.21E-06		4.42E-08		9.68E-08		1.71E-07		9.85E-08		1.69E-06		1.15E-07		8.72E-08		8.57E-08		1.57E-07	
Hexachlorodibenzofuran[1,2,3,6,7,8-]	1.44E-06		4.42E-08		9.02E-08		1.71E-07		1.32E-07		2.23E-06		1.87E-07		7.59E-08		1.58E-07		1.57E-07	
Hexachlorodibenzofuran[1,2,3,7,8,9-]	2.02E-07		4.42E-08		1.73E-07		1.71E-07		1.71E-07		2.88E-07		1.69E-07		1.55E-07		1.58E-07		1.57E-07	
Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.78E-06		4.42E-08		7.80E-08		1.71E-07		1.57E-07		2.66E-06		2.21E-07		1.03E-07		1.58E-07		1.57E-07	
Octachlorodibenzodioxin[1,2,3,4,6,7,8,	1.44E-06		9.54E-09		2.00E-08		3.27E-08		1.44E-07		0.00E+00		1.69E-07		3.78E-08		5.13E-08		1.38E-08	
Octachlorodibenzofuran[1,2,3,4,6,7,8,9	1.97E-07		1.09E-09		2.42E-09		3.03E-09		1.48E-08		3.84E-07		1.85E-08		4.35E-09		5.79E-09		1.47E-09	
Pentachlorodibenzodioxin[1,2,3,7,8-]	6.99E-06		4.42E-07		1.73E-06		1.71E-06		8.39E-07		1.11E-05		6.20E-07		1.55E-06		1.58E-06		1.57E-06	
Pentachlorodibenzofuran[1,2,3,7,8-]	4.95E-08		1.33E-08		2.10E-08		5.13E-08		1.95E-08		5.31E-08		5.07E-08		2.04E-08		2.50E-08		4.71E-08	
Pentachlorodibenzofuran[2,3,4,7,8-]	5.91E-07		1.33E-07		5.19E-07		5.13E-07		5.13E-07		9.00E-07		5.07E-07		4.65E-07		4.74E-07		4.71E-07	
Tetrachlorodibenzodioxin[2,3,7,8-]	1.34E-06		4.61E-07		3.46E-07		3.44E-07		4.17E-07		1.49E-06		3.38E-07		3.10E-07		2.10E-07		3.12E-07	
Tetrachlorodibenzofuran[2,3,7,8-]	1.51E-07		2.45E-08		3.46E-08		3.44E-08		3.43E-08		3.43E-08		3.38E-08		3.10E-08		3.16E-08		3.12E-08	
	3.67E-05		**1.48E-06**		**3.73E-06**		**3.88E-06**		**4.58E-06**		**6.27E-05**		**5.08E-06**		**3.44E-06**		3.46E-06		**3.64E-06**	

Table 3-6. Dioxin-Furan Concentrations, TECs, and TEQs for Mammals by Sample, cont.

Congener Name	WST16-19-181364		WST16-19-181365		WST16-19-181366		WST16-19-181368		WST16-22-237994		WST16-22-237995		WST16-22-238006		WST16-22-238007		WST16-22-238008		WST16-22-238009	
	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.99E-04	1	2.10E-05	1	1.01E-05	1	2.98E-06	1	6.40E-06	1	1.93E-04	1	6.34E-05	1	3.40E-06	1	1.82E-04	1	4.27E-04	1
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	5.96E-05	1	6.41E-06	1	3.30E-06	1	2.60E-06	1	2.90E-06	1	6.95E-05	1	2.11E-05	1	1.35E-06	1	5.76E-05	1	1.40E-04	1
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	3.26E-06	1	1.62E-06	0	1.50E-06	0	1.61E-06	0	4.77E-07	0	3.82E-06	1	1.53E-06	1	4.45E-07	0	3.55E-06	1	8.42E-06	1
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.13E-06	1	1.62E-06	0	1.50E-06	0	1.61E-06	0	4.77E-07	0	4.37E-06	1	1.18E-06	1	4.45E-07	0	3.57E-06	1	7.92E-06	1
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	7.10E-06	1	7.06E-07	1	1.50E-06	0	1.61E-06	0	4.77E-07	0	7.12E-06	1	2.36E-06	1	4.45E-07	0	7.00E-06	1	1.47E-05	1
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	8.50E-06	1	1.13E-06	1	5.09E-07	1	1.61E-06	0	4.77E-07	0	8.59E-06	1	2.49E-06	1	4.45E-07	0	7.10E-06	1	1.70E-05	1
Hexachlorodibenzofuran[1,2,3,4,7,8-]	2.06E-06	1	1.62E-06	0	1.50E-06	0	6.08E-07	1	4.77E-07	0	2.42E-06	1	1.01E-06	1	4.45E-07	0	1.83E-06	1	4.10E-06	1
Hexachlorodibenzofuran[1,2,3,6,7,8-]	2.57E-06	1	1.62E-06	0	1.50E-06	0	1.61E-06	0	4.77E-07	0	2.80E-06	1	9.38E-07	1	4.45E-07	0	2.34E-06	1	4.92E-06	1
Hexachlorodibenzofuran[1,2,3,7,8,9-]	1.63E-06	0	1.62E-06	0	1.50E-06	0	1.61E-06	0	4.77E-07	0	6.95E-07	0	4.71E-07	0	4.45E-07	0	7.92E-07	0	1.06E-06	0
Hexachlorodibenzofuran[2,3,4,6,7,8-]	3.56E-06	1	1.62E-06	0	1.50E-06	0	1.61E-06	0	4.77E-07	0	3.56E-06	1	1.08E-06	1	4.45E-07	0	3.31E-06	1	6.83E-06	1
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.13E-03	1	1.28E-04	1	6.72E-05	1	1.70E-05	1	5.26E-05	1	1.10E-03	1	4.26E-04	1	2.04E-05	1	1.13E-03	1	2.67E-03	1
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.17E-04	1	1.28E-05	1	7.18E-06	1	3.31E-06	1	7.40E-06	1	1.12E-04	1	5.41E-05	1	2.21E-06	1	1.18E-04	1	2.86E-04	1
Pentachlorodibenzodioxin[1,2,3,7,8-]	1.53E-06	1	1.62E-06	0	1.50E-06	0	1.61E-06	0	4.77E-07	0	1.70E-06	1	6.24E-07	1	4.45E-07	0	1.44E-06	1	2.87E-06	1
Pentachlorodibenzofuran[1,2,3,7,8-]	1.63E-06	0	1.62E-06	0	1.50E-06	0	6.14E-07	1	4.77E-07	0	4.59E-07	0	4.56E-07	0	4.45E-07	0	5.92E-07	1	6.14E-07	1
Pentachlorodibenzofuran[2,3,4,7,8-]	1.63E-06	0	1.62E-06	0	1.50E-06	0	1.61E-06	0	4.77E-07	0	4.59E-07	0	4.56E-07	0	4.45E-07	0	4.46E-07	0	6.95E-07	1
Tetrachlorodibenzodioxin[2,3,7,8-]	3.24E-07	0	3.22E-07	0	3.00E-07	0	3.20E-07	0	2.40E-07	0	2.64E-07	0	2.26E-07	0	2.28E-07	0	2.62E-07	0	2.94E-07	0
Tetrachlorodibenzofuran[2,3,7,8-]	3.24E-07	0	3.22E-07	0	3.00E-07	0	3.20E-07	0	2.40E-07	0	2.70E-07	0	2.96E-07	0	2.51E-07	0	3.42E-07	0	2.96E-07	0

Congener Name	TECi		TECi		TECi		TECi		TECi		TECi		TECi		TECi		TECi		TECi	
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.99E-06		2.10E-07		1.01E-07		2.98E-08		6.40E-08		1.93E-06		6.34E-07		3.40E-08		1.82E-06		4.27E-06	
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	5.96E-07		6.41E-08		3.30E-08		2.60E-08		2.90E-08		6.95E-07		2.11E-07		1.35E-08		5.76E-07		1.40E-06	
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	3.26E-08		1.62E-08		1.50E-08		1.61E-08		4.77E-09		3.82E-08		1.53E-08		4.45E-09		3.55E-08		8.42E-08	
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.13E-07		1.62E-07		1.50E-07		1.61E-07		4.77E-08		4.37E-07		1.18E-07		4.45E-08		3.57E-07		7.92E-07	
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	7.10E-07		7.06E-08		1.50E-07		1.61E-07		4.77E-08		7.12E-07		2.36E-07		4.45E-08		7.00E-07		1.47E-06	
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	8.50E-07		1.13E-07		5.09E-08		1.61E-07		4.77E-08		8.59E-07		2.49E-07		4.45E-08		7.10E-07		1.70E-06	
Hexachlorodibenzofuran[1,2,3,4,7,8-]	2.06E-07		1.62E-07		1.50E-07		6.08E-08		4.77E-08		2.42E-07		1.01E-07		4.45E-08		1.83E-07		4.10E-07	
Hexachlorodibenzofuran[1,2,3,6,7,8-]	2.57E-07		1.62E-07		1.50E-07		1.61E-07		4.77E-08		2.80E-07		9.38E-08		4.45E-08		2.34E-07		4.92E-07	
Hexachlorodibenzofuran[1,2,3,7,8,9-]	1.63E-07		1.62E-07		1.50E-07		1.61E-07		4.77E-08		6.95E-08		4.71E-08		4.45E-08		7.92E-08		1.06E-07	
Hexachlorodibenzofuran[2,3,4,6,7,8-]	3.56E-07		1.62E-07		1.50E-07		1.61E-07		4.77E-08		3.56E-07		1.08E-07		4.45E-08		3.31E-07		6.83E-07	
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3.39E-07		3.84E-08		2.02E-08		5.10E-09		1.58E-08		3.30E-07		1.28E-07		6.12E-09		3.39E-07		8.01E-07	
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	3.51E-08		3.84E-09		2.15E-09		9.93E-10		2.22E-09		3.36E-08		1.62E-08		6.63E-10		3.54E-08		8.58E-08	
Pentachlorodibenzodioxin[1,2,3,7,8-]	1.53E-06		1.62E-06		1.50E-06		1.61E-06		4.77E-07		1.70E-06		6.24E-07		4.45E-07		1.44E-06		2.87E-06	
Pentachlorodibenzofuran[1,2,3,7,8-]	4.89E-08		4.86E-08		4.50E-08		1.84E-08		1.43E-08		1.38E-08		1.37E-08		1.34E-08		1.78E-08		1.84E-08	
Pentachlorodibenzofuran[2,3,4,7,8-]	4.89E-07		4.86E-07		4.50E-07		4.83E-07		1.43E-07		1.38E-07		1.37E-07		1.34E-07		1.34E-07		2.09E-07	
Tetrachlorodibenzodioxin[2,3,7,8-]	3.24E-07		3.22E-07		3.00E-07		3.20E-07		2.40E-07		2.64E-07		2.26E-07		2.28E-07		2.62E-07		2.94E-07	
Tetrachlorodibenzofuran[2,3,7,8-]	3.24E-08		3.22E-08		3.00E-08		3.20E-08		2.40E-08		2.70E-08		2.96E-08		2.51E-08		3.42E-08		2.96E-08	
TEQ	**8.37E-06**		**3.83E-06**		**3.45E-06**		**3.57E-06**		**1.35E-06**		**8.12E-06**		**2.99E-06**		**1.22E-06**		**7.29E-06**		**1.57E-05**	

Table 3-6. Dioxin-Furan Concentrations, TECs, and TEQs for Mammals by Sample, cont.

Congener Name	SFB-23-295633		SFB-24-323271		SFB-24-323272		SFB-24-323273		SFB-24-323274	
	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	6.81E-07	1	1.29E-06	1	5.60E-07	1	2.05E-05	1	2.53E-05	1
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	1.23E-06	0	5.76E-07	1	5.00E-07	0	7.55E-06	1	8.26E-06	1
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.18E-06	0	5.00E-07	0	5.00E-07	0	5.53E-07	1	6.75E-07	1
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	1.24E-06	0	5.00E-07	0	5.00E-07	0	5.57E-07	1	5.14E-07	1
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	1.15E-06	0	5.00E-07	0	5.00E-07	0	9.37E-07	1	9.56E-07	1
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.35E-06	0	5.00E-07	0	5.00E-07	0	1.17E-06	1	1.02E-06	1
Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.13E-06	0	5.00E-07	0	5.00E-07	0	7.75E-07	1	5.78E-07	1
Hexachlorodibenzofuran[1,2,3,6,7,8-]	9.95E-07	0	5.00E-07	0	5.00E-07	0	5.59E-07	1	5.06E-07	1
Hexachlorodibenzofuran[1,2,3,7,8,9-]	1.39E-06	0	5.00E-07	0	5.00E-07	0	4.99E-07	0	4.98E-07	0
Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.20E-06	0	5.00E-07	0	5.00E-07	0	6.39E-07	1	6.73E-07	1
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	2.72E-06	1	7.25E-06	1	4.32E-06	1	1.23E-04	1	1.67E-04	1
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	4.63E-06	0	1.00E-06	0	9.99E-07	0	1.19E-05	1	1.97E-05	1
Pentachlorodibenzodioxin[1,2,3,7,8-]	1.30E-06	0	5.00E-07	0	5.00E-07	0	4.99E-07	0	4.98E-07	0
Pentachlorodibenzofuran[1,2,3,7,8-]	1.15E-06	0	5.00E-07	0	5.00E-07	0	4.99E-07	0	4.98E-07	0
Pentachlorodibenzofuran[2,3,4,7,8-]	1.29E-06	0	5.00E-07	0	5.00E-07	0	4.99E-07	0	4.98E-07	0
Tetrachlorodibenzodioxin[2,3,7,8-]	2.65E-07	0	1.56E-07	0	9.99E-08	0	3.56E-07	1	3.05E-07	1
Tetrachlorodibenzofuran[2,3,7,8-]	2.65E-07	1	2.16E-07	0	1.45E-07	0	3.62E-07	0	3.21E-07	0

Congener Name	TECi		TECi		TECi		TECi		TECi	
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	6.81E-09		1.29E-08		5.60E-09		2.05E-07		2.53E-07	
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	1.23E-08		5.76E-09		5.00E-09		7.55E-08		8.26E-08	
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.18E-08		5.00E-09		5.00E-09		5.53E-09		6.75E-09	
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	1.24E-07		5.00E-08		5.00E-08		5.57E-08		5.14E-08	
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	1.15E-07		5.00E-08		5.00E-08		9.37E-08		9.56E-08	
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.35E-07		5.00E-08		5.00E-08		1.17E-07		1.02E-07	
Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.13E-07		5.00E-08		5.00E-08		7.75E-08		5.78E-08	
Hexachlorodibenzofuran[1,2,3,6,7,8-]	9.95E-08		5.00E-08		5.00E-08		5.59E-08		5.06E-08	
Hexachlorodibenzofuran[1,2,3,7,8,9-]	1.39E-07		5.00E-08		5.00E-08		4.99E-08		4.98E-08	
Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.20E-07		5.00E-08		5.00E-08		6.39E-08		6.73E-08	
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	8.16E-10		2.18E-09		1.30E-09		3.69E-08		5.01E-08	
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.39E-09		3.00E-10		3.00E-10		3.57E-09		5.91E-09	
Pentachlorodibenzodioxin[1,2,3,7,8-]	1.30E-06		5.00E-07		5.00E-07		4.99E-07		4.98E-07	
Pentachlorodibenzofuran[1,2,3,7,8-]	3.45E-08		1.50E-08		1.50E-08		1.50E-08		1.49E-08	
Pentachlorodibenzofuran[2,3,4,7,8-]	3.87E-07		1.50E-07		1.50E-07		1.50E-07		1.49E-07	
Tetrachlorodibenzodioxin[2,3,7,8-]	2.65E-07		1.56E-07		9.99E-08		3.56E-07		3.05E-07	
Tetrachlorodibenzofuran[2,3,7,8-]	2.65E-08		2.16E-08		1.45E-08		3.62E-08		3.21E-08	
TEQ	**2.89E-06**		**1.22E-06**		**1.15E-06**		**1.90E-06**		**1.87E-06**	

Notes: The TECi are summed in each column to obtain the TEQ.
Subsurface soil samples (>1 foot deep) are shaded.
The duplicate pair is SFB-23-295637 and SFB-23-295638
Detect Code = 1 is detected, 0 is not detected

TEQ – Toxicity Equivalent Quotient, the sum of the TECs
TEC – Toxicity Equivalent Concentration, the product of the raw concentration and the receptor category specific TEF
TEF – Toxicity Equivalency Factor

Table 3-7. Dioxin-Furan Concentrations, TECs, and TEQs for Birds by Sample

Congener Name	SFB-23-295629		SFB-23-295630		SFB-23-295631		SFB-23-295632		SFB-23-295634		SFB-23-295636		SFB-23-295635		SFB-23-295637		SFB-23-295638		SFB-23-295639	
	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	3.75E-05	1	4.12E-06	1	1.83E-04	1	2.57E-04	1	1.20E-06	1	1.24E-05	1	1.67E-05	1	9.36E-05	1	1.22E-04	1	5.65E-03	1
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	1.70E-05	1	1.86E-06	1	6.09E-05	1	7.92E-05	1	7.02E-07	1	4.00E-06	1	5.76E-06	1	3.19E-05	1	4.04E-05	1	1.86E-03	1
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.27E-06	1	1.18E-06	0	3.33E-06	1	5.38E-06	1	1.18E-06	0	1.18E-06	0	5.96E-07	1	1.81E-06	1	2.66E-06	1	1.08E-04	1
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	1.01E-06	1	1.24E-06	0	3.90E-06	1	3.31E-06	1	1.24E-06	0	1.24E-06	0	8.16E-07	1	1.94E-06	1	2.48E-06	1	1.34E-04	1
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	1.47E-06	1	1.15E-06	0	7.21E-06	1	9.13E-06	1	1.15E-06	0	6.96E-07	1	8.96E-07	1	3.60E-06	1	4.33E-06	1	2.21E-04	1
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.60E-06	1	1.34E-06	0	7.79E-06	1	8.40E-06	1	1.35E-06	0	6.53E-07	1	9.56E-07	1	4.51E-06	1	5.23E-06	1	2.53E-04	1
Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.97E-06	1	5.32E-07	1	2.92E-06	1	3.51E-06	1	1.13E-06	0	9.73E-07	1	1.24E-06	1	1.51E-06	1	1.68E-06	1	5.97E-05	1
Hexachlorodibenzofuran[1,2,3,6,7,8-]	1.35E-06	1	9.91E-07	0	3.32E-06	1	3.04E-06	1	9.96E-07	0	9.93E-07	0	6.94E-07	1	1.29E-06	1	1.55E-06	1	6.66E-05	1
Hexachlorodibenzofuran[1,2,3,7,8,9-]	1.39E-06	0	1.39E-06	0	1.38E-06	0	1.39E-06	0	1.39E-06	0	1.39E-06	0	1.40E-06	0	1.39E-06	0	1.40E-06	0	6.82E-06	1
Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.69E-06	1	1.20E-06	0	3.84E-06	1	3.83E-06	1	1.20E-06	0	6.21E-07	1	9.38E-07	1	1.69E-06	1	1.93E-06	1	9.98E-05	1
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	2.45E-04	1	2.40E-05	1	1.02E-03	1	1.35E-03	1	5.76E-06	1	6.64E-05	1	9.23E-05	1	6.09E-04	1	7.68E-04	1	3.14E-02	1
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	2.65E-05	1	3.00E-06	1	1.09E-04	1	2.03E-04	1	4.64E-06	0	5.74E-06	1	7.91E-06	1	5.38E-05	1	7.66E-05	1	3.57E-03	1
Pentachlorodibenzodioxin[1,2,3,7,8-]	5.48E-07	1	1.29E-06	0	1.66E-06	1	1.15E-06	1	1.30E-06	0	1.30E-06	0	5.86E-07	1	8.81E-07	1	9.21E-07	1	4.09E-05	1
Pentachlorodibenzofuran[1,2,3,7,8-]	1.38E-06	1	1.14E-06	0	1.44E-06	1	1.03E-06	1	1.15E-06	0	9.25E-07	1	1.31E-06	1	8.69E-07	1	1.31E-06	1	5.99E-06	1
Pentachlorodibenzofuran[2,3,4,7,8-]	1.27E-06	1	1.28E-06	0	1.21E-06	1	8.81E-07	1	1.29E-06	0	5.95E-07	1	8.08E-07	1	1.29E-06	0	1.29E-06	0	9.03E-06	1
Tetrachlorodibenzodioxin[2,3,7,8-]	2.65E-07	0	2.65E-07	0	4.64E-07	1	2.66E-07	0	2.66E-07	0	2.65E-07	0	2.66E-07	0	3.85E-07	1	4.34E-07	1	2.51E-06	1
Tetrachlorodibenzofuran[2,3,7,8-]	4.00E-07	0	3.98E-07	0	9.55E-07	1	7.18E-07	1	4.00E-07	0	3.99E-07	0	4.01E-07	0	3.99E-07	0	4.01E-07	0	2.00E-06	0

Congener Name	TECi		TECi		TECi		TECi		TECi		TECi		TECi		TECi		TECi		TECi	
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	3.75E-08		4.12E-09		1.83E-07		2.57E-07		1.20E-09		1.24E-08		1.67E-08		9.36E-08		1.22E-07		5.65E-06	
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	1.70E-07		1.86E-08		6.09E-07		7.92E-07		7.02E-09		4.00E-08		5.76E-08		3.19E-07		4.04E-07		1.86E-05	
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.27E-08		1.18E-08		3.33E-08		5.38E-08		1.18E-08		1.18E-08		5.96E-09		1.81E-08		2.66E-08		1.08E-06	
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	5.05E-08		6.20E-08		1.95E-07		1.66E-07		6.20E-08		6.20E-08		4.08E-08		9.70E-08		1.24E-07		6.70E-06	
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	1.47E-08		1.15E-08		7.21E-08		9.13E-08		1.15E-08		6.96E-09		8.96E-09		3.60E-08		4.33E-08		2.21E-06	
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.60E-07		1.34E-07		7.79E-07		8.40E-07		1.35E-07		6.53E-08		9.56E-08		4.51E-07		5.23E-07		2.53E-05	
Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.97E-06		5.32E-07		2.92E-06		3.51E-06		1.13E-06		9.73E-07		1.24E-06		1.51E-06		1.68E-06		5.97E-05	
Hexachlorodibenzofuran[1,2,3,6,7,8-]	1.35E-07		9.91E-08		3.32E-07		3.04E-07		9.96E-08		9.93E-08		6.94E-08		1.29E-07		1.55E-07		6.66E-06	
Hexachlorodibenzofuran[1,2,3,7,8,9-]	1.39E-07		1.39E-07		1.38E-07		1.39E-07		1.39E-07		1.39E-07		1.40E-07		1.39E-07		1.40E-07		6.82E-07	
Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.69E-07		1.20E-07		3.84E-07		3.83E-07		1.20E-07		6.21E-08		9.38E-08		1.69E-07		1.93E-07		9.98E-06	
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	2.45E-08		2.40E-09		1.02E-07		1.35E-07		5.76E-10		6.64E-09		9.23E-09		6.09E-08		7.68E-08		3.14E-06	
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	2.65E-09		3.00E-10		1.09E-08		2.03E-08		4.64E-10		5.74E-10		7.91E-10		5.38E-09		7.66E-09		3.57E-07	
Pentachlorodibenzodioxin[1,2,3,7,8-]	5.48E-07		1.29E-06		1.66E-06		1.15E-06		1.30E-06		1.30E-06		5.86E-07		8.81E-07		9.21E-07		4.09E-05	
Pentachlorodibenzofuran[1,2,3,7,8-]	1.38E-07		1.14E-07		1.44E-07		1.03E-07		1.15E-07		9.25E-08		1.31E-07		8.69E-08		1.31E-07		5.99E-07	
Pentachlorodibenzofuran[2,3,4,7,8-]	1.27E-07		1.28E-07		1.21E-07		8.81E-08		1.29E-07		5.95E-08		8.08E-08		1.29E-07		1.29E-07		9.03E-07	
Tetrachlorodibenzodioxin[2,3,7,8-]	2.65E-07		2.65E-07		4.64E-07		2.66E-07		2.66E-07		2.65E-07		2.66E-07		3.85E-07		4.34E-07		2.51E-06	
Tetrachlorodibenzofuran[2,3,7,8-]	4.00E-07		3.98E-07		9.55E-07		7.18E-07		4.00E-07		3.99E-07		4.01E-07		3.99E-07		4.01E-07		2.00E-06	
TEQ	**4.36E-06**		**3.33E-06**		**9.10E-06**		**9.02E-06**		**3.93E-06**		**3.60E-06**		**3.24E-06**		**4.91E-06**		**5.51E-06**		**1.87E-04**	

Table 3-7. Dioxin-Furan Concentrations, TECs, and TEQs for Birds by Sample, cont.

Congener Name	SFB-23-295640		SFB-23-295641		SFB-23-295642		SFB-23-295643		SFB-23-295644		SFB-23-295647		SFB-23-295648		SFB-23-295649		SFB-23-295650		SFB-23-295651	
	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	2.48E-03	1	1.13E-05	1	1.57E-05	1	1.80E-06	1	2.27E-06	0	6.03E-07	1	3.76E-05	1	1.40E-06	1	1.10E-05	1	7.44E-05	1
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	8.42E-04	1	4.66E-06	1	7.53E-06	1	9.57E-07	1	1.22E-06	0	5.36E-07	1	1.26E-05	1	6.35E-07	1	4.13E-06	1	2.78E-05	1
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	5.02E-05	1	1.19E-06	0	5.42E-07	1	1.17E-06	0	1.18E-06	0	1.17E-06	0	1.71E-06	1	1.17E-06	0	1.17E-06	0	1.54E-06	1
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	5.41E-05	1	1.25E-06	0	1.24E-06	0	1.22E-06	0	1.24E-06	0	1.23E-06	0	7.24E-07	1	1.23E-06	0	1.23E-06	0	1.63E-06	1
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	9.63E-05	1	1.15E-06	0	6.98E-07	1	1.13E-06	0	1.14E-06	0	1.14E-06	0	1.00E-06	1	1.14E-06	0	1.14E-06	0	3.15E-06	1
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.05E-04	1	5.68E-07	1	6.84E-07	1	1.33E-06	0	1.34E-06	0	1.34E-06	0	7.63E-07	1	1.33E-06	0	1.33E-06	0	3.39E-06	1
Hexachlorodibenzofuran[1,2,3,4,7,8-]	2.56E-05	1	1.14E-06	0	8.77E-07	1	1.12E-06	0	1.13E-06	0	1.12E-06	0	1.09E-06	0	1.12E-06	0	1.12E-06	0	1.96E-06	1
Hexachlorodibenzofuran[1,2,3,6,7,8-]	2.72E-05	1	9.99E-07	0	9.95E-07	0	9.81E-07	0	9.91E-07	0	9.86E-07	0	9.57E-07	0	9.84E-07	0	9.83E-07	0	1.54E-06	1
Hexachlorodibenzofuran[1,2,3,7,8,9-]	3.51E-06	1	1.40E-06	0	1.39E-06	0	1.37E-06	0	1.39E-06	0	1.38E-06	0	1.34E-06	0	1.38E-06	0	1.37E-06	0	1.38E-06	0
Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.29E-05	1	1.21E-06	0	6.82E-07	1	1.18E-06	0	1.20E-06	0	1.19E-06	0	1.16E-06	0	1.19E-06	0	1.19E-06	0	1.89E-06	1
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.30E-02	1	6.40E-05	1	1.12E-04	1	8.82E-06	1	3.49E-06	0	3.23E-06	1	4.20E-04	1	6.23E-06	1	6.48E-05	1	4.61E-04	1
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.61E-03	1	5.51E-06	1	1.46E-05	1	1.23E-06	1	4.62E-06	0	4.59E-06	0	1.12E-04	1	4.58E-06	0	5.41E-06	1	5.04E-05	1
Pentachlorodibenzodioxin[1,2,3,7,8-]	1.72E-05	1	1.30E-06	0	1.30E-06	0	1.28E-06	0	1.29E-06	0	1.29E-06	0	1.25E-06	0	1.28E-06	0	1.28E-06	0	8.71E-07	1
Pentachlorodibenzofuran[1,2,3,7,8-]	2.57E-06	1	1.15E-06	0	9.01E-07	1	1.13E-06	0	1.14E-06	0	1.14E-06	0	1.10E-06	0	1.14E-06	0	1.13E-06	0	1.46E-06	1
Pentachlorodibenzofuran[2,3,4,7,8-]	3.76E-06	1	1.29E-06	0	1.29E-06	0	1.27E-06	0	1.28E-06	0	1.28E-06	0	1.24E-06	0	1.27E-06	0	1.27E-06	0	6.77E-07	1
Tetrachlorodibenzodioxin[2,3,7,8-]	9.72E-07	1	2.67E-07	0	2.66E-07	0	2.62E-07	0	2.64E-07	0	2.63E-07	0	2.55E-07	0	2.63E-07	0	2.62E-07	0	2.64E-07	0
Tetrachlorodibenzofuran[2,3,7,8-]	2.00E-06	0	4.01E-07	0	4.00E-07	0	3.94E-07	0	3.98E-07	0	3.96E-07	0	3.84E-07	0	3.95E-07	0	3.54E-07	1	5.82E-07	1

Congener Name	TECi		TECi		TECi		TECi		TECi		TECi		TECi		TECi		TECi		TECi	
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	2.48E-06		1.13E-08		1.57E-08		1.80E-09		2.27E-09		6.03E-10		3.76E-08		1.40E-09		1.10E-08		7.44E-08	
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	8.42E-06		4.66E-08		7.53E-08		9.57E-09		1.22E-08		5.36E-09		1.26E-07		6.35E-09		4.13E-08		2.78E-07	
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	5.02E-07		1.19E-08		5.42E-09		1.17E-08		1.18E-08		1.17E-08		1.71E-08		1.17E-08		1.17E-08		1.54E-08	
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	2.71E-06		6.25E-08		6.20E-08		6.10E-08		6.20E-08		6.15E-08		3.62E-08		6.15E-08		6.15E-08		8.15E-08	
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	9.63E-07		1.15E-08		6.98E-09		1.13E-08		1.14E-08		1.14E-08		1.00E-08		1.14E-08		1.14E-08		3.15E-08	
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.05E-05		5.68E-08		6.84E-08		1.33E-07		1.34E-07		1.34E-07		7.63E-08		1.33E-07		1.33E-07		3.39E-07	
Hexachlorodibenzofuran[1,2,3,4,7,8-]	2.56E-05		1.14E-06		8.77E-07		1.12E-06		1.13E-06		1.12E-06		1.09E-06		1.12E-06		1.12E-06		1.96E-06	
Hexachlorodibenzofuran[1,2,3,6,7,8-]	2.72E-06		9.99E-08		9.95E-08		9.81E-08		9.91E-08		9.86E-08		9.57E-08		9.84E-08		9.83E-08		1.54E-07	
Hexachlorodibenzofuran[1,2,3,7,8,9-]	3.51E-07		1.40E-07		1.39E-07		1.37E-07		1.39E-07		1.38E-07		1.34E-07		1.38E-07		1.37E-07		1.38E-07	
Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.29E-06		1.21E-07		6.82E-08		1.18E-07		1.20E-07		1.19E-07		1.16E-07		1.19E-07		1.19E-07		1.89E-07	
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.30E-06		6.40E-09		1.12E-08		8.82E-10		3.49E-10		3.23E-10		4.20E-08		6.23E-10		6.48E-09		4.61E-08	
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.61E-07		5.51E-10		1.46E-09		1.23E-10		4.62E-10		4.59E-10		1.12E-08		4.58E-10		5.41E-10		5.04E-09	
Pentachlorodibenzodioxin[1,2,3,7,8-]	1.72E-05		1.30E-06		1.30E-06		1.28E-06		1.29E-06		1.29E-06		1.25E-06		1.28E-06		1.28E-06		8.71E-07	
Pentachlorodibenzofuran[1,2,3,7,8-]	2.57E-07		1.15E-07		9.01E-08		1.13E-07		1.14E-07		1.14E-07		1.10E-07		1.14E-07		1.13E-07		1.46E-07	
Pentachlorodibenzofuran[2,3,4,7,8-]	3.76E-07		1.29E-07		1.29E-07		1.27E-07		1.28E-07		1.28E-07		1.24E-07		1.27E-07		1.27E-07		6.77E-08	
Tetrachlorodibenzodioxin[2,3,7,8-]	9.72E-07		2.67E-07		2.66E-07		2.62E-07		2.64E-07		2.63E-07		2.55E-07		2.63E-07		2.62E-07		2.64E-07	
Tetrachlorodibenzofuran[2,3,7,8-]	2.00E-06		4.01E-07		4.00E-07		3.94E-07		3.98E-07		3.96E-07		3.84E-07		3.95E-07		3.54E-07		5.82E-07	
TEQ	**8.08E-05**		**3.92E-06**		**3.62E-06**		**3.88E-06**		**3.92E-06**		**3.89E-06**		**3.92E-06**		**3.88E-06**		**3.89E-06**		**5.24E-06**	

Table 3-7. Dioxin-Furan Concentrations, TECs, and TEQs for Birds by Sample, cont.

Congener Name	09RCRA695		09RCRA697		09RCRA699		09RCRA701		09RCRA703		09RCRA705		09RCRA707		09RCRA709	
	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	4.50E-06	1	8.35E-06	1	1.31E-05	1	8.37E-06	1	3.67E-05	1	3.66E-05	1	2.01E-05	1	3.23E-05	1
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	2.33E-06	1	3.50E-06	1	4.30E-06	1	3.05E-06	1	1.27E-05	1	1.13E-05	1	7.27E-06	1	8.71E-06	1
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.36E-07	0	4.44E-07	0	4.48E-07	0	4.66E-07	0	1.02E-06	1	9.20E-07	1	7.30E-07	1	7.41E-07	1
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.36E-07	0	4.44E-07	0	4.48E-07	0	4.66E-07	0	7.33E-07	1	7.41E-07	1	4.44E-07	0	7.71E-07	1
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.36E-07	0	4.67E-07	1	5.61E-07	1	4.66E-07	0	1.58E-06	1	1.40E-06	1	7.53E-07	1	1.28E-06	1
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.36E-07	0					4.66E-07	0	1.65E-06	1	1.49E-06	1	8.03E-07	1		
Hexachlorodibenzofuran[1,2,3,4,7,8-]	6.73E-07	1	5.88E-07	1	5.83E-07	1	4.66E-07	0	9.55E-07	1	7.64E-07	1	7.87E-07	1	7.66E-07	1
Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.36E-07	0	4.53E-07	1	4.82E-07	1	4.66E-07	0	8.90E-07	1			7.41E-07	1	7.37E-07	1
Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.36E-07	0	4.44E-07	0	4.48E-07	0	4.66E-07	0	4.64E-07	0	4.60E-07	0	4.44E-07	0	4.44E-07	0
Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.36E-07	0	6.30E-07	1	5.67E-07	1	4.66E-07	0	1.13E-06	1	9.33E-07	1			8.63E-07	1
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3.41E-05	1	8.61E-05	1	1.02E-04	1	5.06E-05	1	2.09E-04	1	2.08E-04	1	1.29E-04	1	1.85E-04	1
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	3.98E-06	1	1.25E-05	1	1.27E-05	1	5.82E-06	1	2.93E-05	1	2.79E-05	1	1.95E-05	1	2.19E-05	1
Pentachlorodibenzodioxin[1,2,3,7,8-]	4.36E-07	0	4.44E-07	0	4.48E-07	0	4.66E-07	0	4.64E-07	0	4.60E-07	0	4.44E-07	0		
Pentachlorodibenzofuran[1,2,3,7,8-]	1.59E-06	1	4.83E-07	1	8.30E-07	1	4.66E-07	0	4.64E-07	0	4.60E-07	0	5.72E-07	1	4.76E-07	1
Pentachlorodibenzofuran[2,3,4,7,8-]	4.36E-07	0	5.13E-07	1	4.48E-07	0	4.66E-07	0	4.66E-07	1	4.60E-07	0	6.77E-07	1		
Tetrachlorodibenzodioxin[2,3,7,8-]	9.11E-08	0	1.03E-07	1	1.33E-07	1	9.37E-08	0	6.18E-07	1	1.11E-07	0			5.49E-07	1
Tetrachlorodibenzofuran[2,3,7,8-]	3.14E-06	1	6.59E-07	1			1.14E-06	1	1.82E-07	0	5.45E-07	1			5.95E-07	1

Congener Name	TECi		TECi		TECi		TECi		TECi		TECi		TECi		TECi	
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	4.50E-09		8.35E-09		1.31E-08		8.37E-09		3.67E-08		3.66E-08		2.01E-08		3.23E-08	
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	2.33E-08		3.50E-08		4.30E-08		3.05E-08		1.27E-07		1.13E-07		7.27E-08		8.71E-08	
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	4.36E-09		4.44E-09		4.48E-09		4.66E-09		1.02E-08		9.20E-09		7.30E-09		7.41E-09	
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	2.18E-08		2.22E-08		2.24E-08		2.33E-08		3.67E-08		3.71E-08		2.22E-08		3.86E-08	
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	4.36E-09		4.67E-09		5.61E-09		4.66E-09		1.58E-08		1.40E-08		7.53E-09		1.28E-08	
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.36E-08		0.00E+00		0.00E+00		4.66E-08		1.65E-07		1.49E-07		8.03E-08		0.00E+00	
Hexachlorodibenzofuran[1,2,3,4,7,8-]	6.73E-07		5.88E-07		5.83E-07		4.66E-07		9.55E-07		7.64E-07		7.87E-07		7.66E-07	
Hexachlorodibenzofuran[1,2,3,6,7,8-]	4.36E-08		4.53E-08		4.82E-08		4.66E-08		8.90E-08		0.00E+00		7.41E-08		7.37E-08	
Hexachlorodibenzofuran[1,2,3,7,8,9-]	4.36E-08		4.44E-08		4.48E-08		4.66E-08		4.64E-08		4.60E-08		4.44E-08		4.44E-08	
Hexachlorodibenzofuran[2,3,4,6,7,8-]	4.36E-08		6.30E-08		5.67E-08		4.66E-08		1.13E-07		9.33E-08		0.00E+00		8.63E-08	
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	3.41E-09		8.61E-09		1.02E-08		5.06E-09		2.09E-08		2.08E-08		1.29E-08		1.85E-08	
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	3.98E-10		1.25E-09		1.27E-09		5.82E-10		2.93E-09		2.79E-09		1.95E-09		2.19E-09	
Pentachlorodibenzodioxin[1,2,3,7,8-]	4.36E-07		4.44E-07		4.48E-07		4.66E-07		4.64E-07		4.60E-07		4.44E-07		0.00E+00	
Pentachlorodibenzofuran[1,2,3,7,8-]	1.59E-07		4.83E-08		8.30E-08		4.66E-08		4.64E-08		4.60E-08		5.72E-08		4.76E-08	
Pentachlorodibenzofuran[2,3,4,7,8-]	4.36E-08		5.13E-08		4.48E-08		4.66E-08		4.66E-08		4.60E-08		6.77E-08		0.00E+00	
Tetrachlorodibenzodioxin[2,3,7,8-]	9.11E-08		1.03E-07		1.33E-07		9.37E-08		6.18E-07		1.11E-07		0.00E+00		5.49E-07	
Tetrachlorodibenzofuran[2,3,7,8-]	3.14E-06		6.59E-07		0.00E+00		1.14E-06		1.82E-07		5.45E-07		0.00E+00		5.95E-07	
TEQ	**4.78E-06**		**2.13E-06**		**1.54E-06**		**2.52E-06**		**2.98E-06**		**2.49E-06**		**1.70E-06**		**2.36E-06**	

Table 3-7. Dioxin-Furan Concentrations, TECs, and TEQs for Birds by Sample, cont.

Congener Name	09RCRA711		09RCRA731		RE16-12-17672		RE16-12-17678		RE16-12-17679		RE16-12-17680		WST16-13-29794		WST16-19-181361		WST16-19-181362		WST16-19-181363	
	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	9.00E-04	1	5.93E-06	1	1.20E-05	1	1.49E-05	1	8.02E-05	1	1.70E-03	1	9.21E-05	1	2.15E-05	1	2.40E-05	1	6.19E-06	1
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	2.88E-04	1	2.02E-06	1	5.75E-06	1	2.94E-06	1	2.57E-05	1	5.61E-04	1	3.96E-05	1	9.10E-06	1	5.40E-06	1	1.22E-06	1
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.92E-05	1	4.42E-07	0	1.73E-06	0	1.71E-06	0	1.50E-06	1	3.30E-05	1	1.97E-06	1	5.71E-07	1	1.58E-06	0	1.57E-06	0
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	1.79E-05	1	4.42E-07	0	1.73E-06	0	1.71E-06	0	1.61E-06	1	3.08E-05	1	2.45E-06	1	7.03E-07	1	5.72E-07	1	1.57E-06	0
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	3.33E-05	1	4.42E-07	0	8.23E-07	1	7.55E-07	1	3.69E-06	1	7.18E-05	1	4.76E-06	1	1.13E-06	1	8.53E-07	1	1.57E-06	0
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.07E-05	1	4.42E-07	0	1.73E-06	0	6.99E-07	1	4.34E-06	1	8.71E-05	1	5.94E-06	1	1.04E-06	1	7.43E-07	1	1.57E-06	0
Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.21E-05	1	4.42E-07	0	9.68E-07	1	1.71E-06	0	9.85E-07	1	1.69E-05	1	1.15E-06	1	8.72E-07	1	8.57E-07	1	1.57E-06	0
Hexachlorodibenzofuran[1,2,3,6,7,8-]	1.44E-05	1	4.42E-07	0	9.02E-07	1	1.71E-06	0	1.32E-06	1	2.23E-05	1	1.87E-06	1	7.59E-07	1	1.58E-06	0	1.57E-06	0
Hexachlorodibenzofuran[1,2,3,7,8,9-]	2.02E-06	1	4.42E-07	0	1.73E-06	0	1.71E-06	0	1.71E-06	0	2.88E-06	1	1.69E-06	0	1.55E-06	0	1.58E-06	0	1.57E-06	0
Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.78E-05	1	4.42E-07	0	7.80E-07	1	1.71E-06	0	1.57E-06	1	2.66E-05	1	2.21E-06	1	1.03E-06	1	1.58E-06	0	1.57E-06	0
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	4.80E-03	1	3.18E-05	1	6.68E-05	1	1.09E-04	1	4.81E-04	1			5.63E-04	1	1.26E-04	1	1.71E-04	1	4.61E-05	1
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	6.57E-04	1	3.64E-06	1	8.05E-06	1	1.01E-05	1	4.94E-05	1	1.28E-03	1	6.17E-05	1	1.45E-05	1	1.93E-05	1	4.89E-06	1
Pentachlorodibenzodioxin[1,2,3,7,8-]	6.99E-06	1	4.42E-07	0	1.73E-06	0	1.71E-06	0	8.39E-07	1	1.11E-05	1	6.20E-07	1	1.55E-06	0	1.58E-06	0	1.57E-06	0
Pentachlorodibenzofuran[1,2,3,7,8-]	1.65E-06	1	4.42E-07	0	7.01E-07	1	1.71E-06	0	6.50E-07	1	1.77E-06	1	1.69E-06	0	6.81E-07	1	8.34E-07	1	1.57E-06	0
Pentachlorodibenzofuran[2,3,4,7,8-]	1.97E-06	1	4.42E-07	0	1.73E-06	0	1.71E-06	0	1.71E-06	0	3.00E-06	1	1.69E-06	0	1.55E-06	0	1.58E-06	0	1.57E-06	0
Tetrachlorodibenzodioxin[2,3,7,8-]	1.34E-06	1	4.61E-07	1	3.46E-07	0	3.44E-07	0	4.17E-07	1	1.49E-06	1	3.38E-07	0	3.10E-07	0	2.10E-07	1	3.12E-07	0
Tetrachlorodibenzofuran[2,3,7,8-]	1.51E-06	1	2.45E-07	1	3.46E-07	0	3.44E-07	0	3.43E-07	0	3.43E-07	0	3.38E-07	0	3.10E-07	0	3.16E-07	0	3.12E-07	0

Congener Name	TECi		TECi		TECi		TECi		TECi		TECi		TECi		TECi		TECi		TECi	
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	9.00E-07		5.93E-09		1.20E-08		1.49E-08		8.02E-08		1.70E-06		9.21E-08		2.15E-08		2.40E-08		6.19E-09	
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	2.88E-06		2.02E-08		5.75E-08		2.94E-08		2.57E-07		5.61E-06		3.96E-07		9.10E-08		5.40E-08		1.22E-08	
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.92E-07		4.42E-09		1.73E-08		1.71E-08		1.50E-08		3.30E-07		1.97E-08		5.71E-09		1.58E-08		1.57E-08	
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	8.95E-07		2.21E-08		8.65E-08		8.55E-08		8.05E-08		1.54E-06		1.23E-07		3.52E-08		2.86E-08		7.85E-08	
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	3.33E-07		4.42E-09		8.23E-09		7.55E-09		3.69E-08		7.18E-07		4.76E-08		1.13E-08		8.53E-09		1.57E-08	
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	4.07E-06		4.42E-08		1.73E-07		6.99E-08		4.34E-07		8.71E-06		5.94E-07		1.04E-07		7.43E-08		1.57E-07	
Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.21E-05		4.42E-07		9.68E-07		1.71E-06		9.85E-07		1.69E-05		1.15E-06		8.72E-07		8.57E-07		1.57E-06	
Hexachlorodibenzofuran[1,2,3,6,7,8-]	1.44E-06		4.42E-08		9.02E-08		1.71E-07		1.32E-07		2.23E-06		1.87E-07		7.59E-08		1.58E-07		1.57E-07	
Hexachlorodibenzofuran[1,2,3,7,8,9-]	2.02E-07		4.42E-08		1.73E-07		1.71E-07		1.71E-07		2.88E-07		1.69E-07		1.55E-07		1.58E-07		1.57E-07	
Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.78E-06		4.42E-08		7.80E-08		1.71E-07		1.57E-07		2.66E-06		2.21E-07		1.03E-07		1.58E-07		1.57E-07	
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	4.80E-07		3.18E-09		6.68E-09		1.09E-08		4.81E-08		0.00E+00		5.63E-08		1.26E-08		1.71E-08		4.61E-09	
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	6.57E-08		3.64E-10		8.05E-10		1.01E-09		4.94E-09		1.28E-07		6.17E-09		1.45E-09		1.93E-09		4.89E-10	
Pentachlorodibenzodioxin[1,2,3,7,8-]	6.99E-06		4.42E-07		1.73E-06		1.71E-06		8.39E-07		1.11E-05		6.20E-07		1.55E-06		1.58E-06		1.57E-06	
Pentachlorodibenzofuran[1,2,3,7,8-]	1.65E-07		4.42E-08		7.01E-08		1.71E-07		6.50E-08		1.77E-07		1.69E-07		6.81E-08		8.34E-08		1.57E-07	
Pentachlorodibenzofuran[2,3,4,7,8-]	1.97E-07		4.42E-08		1.73E-07		1.71E-07		1.71E-07		3.00E-07		1.69E-07		1.55E-07		1.58E-07		1.57E-07	
Tetrachlorodibenzodioxin[2,3,7,8-]	1.34E-06		4.61E-07		3.46E-07		3.44E-07		4.17E-07		1.49E-06		3.38E-07		3.10E-07		2.10E-07		3.12E-07	
Tetrachlorodibenzofuran[2,3,7,8-]	1.51E-06		2.45E-07		3.46E-07		3.44E-07		3.43E-07		3.43E-07		3.38E-07		3.10E-07		3.16E-07		3.12E-07	
TEQ	**3.55E-05**		**1.92E-06**		**4.34E-06**		**5.20E-06**		**4.24E-06**		**5.42E-05**		**4.70E-06**		**3.88E-06**		**3.90E-06**		**4.84E-06**	

Table 3-7. Dioxin-Furan Concentrations, TECs, and TEQs for Birds by Sample, cont.

Congener Name	WST16-19-181364		WST16-19-181365		WST16-19-181366		WST16-19-181368		WST16-22-237994		WST16-22-237995		WST16-22-238006		WST16-22-238007		WST16-22-238008		WST16-22-238009	
	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code	Result (mg/kg)	Detect Code
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.99E-04	1	2.10E-05	1	1.01E-05	1	2.98E-06	1	6.40E-06	1	1.93E-04	1	6.34E-05	1	3.40E-06	1	1.82E-04	1	4.27E-04	1
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	5.96E-05	1	6.41E-06	1	3.30E-06	1	2.60E-06	1	2.90E-06	1	6.95E-05	1	2.11E-05	1	1.35E-06	1	5.76E-05	1	1.40E-04	1
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	3.26E-06	1	1.62E-06	0	1.50E-06	0	1.61E-06	0	4.77E-07	0	3.82E-06	1	1.53E-06	1	4.45E-07	0	3.55E-06	1	8.42E-06	1
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	4.13E-06	1	1.62E-06	0	1.50E-06	0	1.61E-06	0	4.77E-07	0	4.37E-06	1	1.18E-06	1	4.45E-07	0	3.57E-06	1	7.92E-06	1
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	7.10E-06	1	7.06E-07	1	1.50E-06	0	1.61E-06	0	4.77E-07	0	7.12E-06	1	2.36E-06	1	4.45E-07	0	7.00E-06	1	1.47E-05	1
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	8.50E-06	1	1.13E-06	1	5.09E-07	1	1.61E-06	0	4.77E-07	0	8.59E-06	1	2.49E-06	1	4.45E-07	0	7.10E-06	1	1.70E-05	1
Hexachlorodibenzofuran[1,2,3,4,7,8-]	2.06E-06	1	1.62E-06	0	1.50E-06	0	6.08E-07	1	4.77E-07	0	2.42E-06	1	1.01E-06	1	4.45E-07	0	1.83E-06	1	4.10E-06	1
Hexachlorodibenzofuran[1,2,3,6,7,8-]	2.57E-06	1	1.62E-06	0	1.50E-06	0	1.61E-06	0	4.77E-07	0	2.80E-06	1	9.38E-07	1	4.45E-07	0	2.34E-06	1	4.92E-06	1
Hexachlorodibenzofuran[1,2,3,7,8,9-]	1.63E-06	0	1.62E-06	0	1.50E-06	0	1.61E-06	0	4.77E-07	0	6.95E-07	0	4.71E-07	0	4.45E-07	0	7.92E-07	0	1.06E-06	0
Hexachlorodibenzofuran[2,3,4,6,7,8-]	3.56E-06	1	1.62E-06	0	1.50E-06	0	1.61E-06	0	4.77E-07	0	3.56E-06	1	1.08E-06	1	4.45E-07	0	3.31E-06	1	6.83E-06	1
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.13E-03	1	1.28E-04	1	6.72E-05	1	1.70E-05	1	5.26E-05	1	1.10E-03	1	4.26E-04	1	2.04E-05	1	1.13E-03	1	2.67E-03	1
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.17E-04	1	1.28E-05	1	7.18E-06	1	3.31E-06	1	7.40E-06	1	1.12E-04	1	5.41E-05	1	2.21E-06	1	1.18E-04	1	2.86E-04	1
Pentachlorodibenzodioxin[1,2,3,7,8-]	1.53E-06	1	1.62E-06	0	1.50E-06	0	1.61E-06	0	4.77E-07	0	1.70E-06	1	6.24E-07	1	4.45E-07	0	1.44E-06	1	2.87E-06	1
Pentachlorodibenzofuran[1,2,3,7,8-]	1.63E-06	0	1.62E-06	0	1.50E-06	0	6.14E-07	1	4.77E-07	0	4.59E-07	0	4.56E-07	0	4.45E-07	0	5.92E-07	1	6.14E-07	1
Pentachlorodibenzofuran[2,3,4,7,8-]	1.63E-06	0	1.62E-06	0	1.50E-06	0	1.61E-06	0	4.77E-07	0	4.59E-07	0	4.56E-07	0	4.45E-07	0	4.46E-07	0	6.95E-07	1
Tetrachlorodibenzodioxin[2,3,7,8-]	3.24E-07	0	3.22E-07	0	3.00E-07	0	3.20E-07	0	2.40E-07	0	2.64E-07	0	2.26E-07	0	2.28E-07	0	2.62E-07	0	2.94E-07	0
Tetrachlorodibenzofuran[2,3,7,8-]	3.24E-07	0	3.22E-07	0	3.00E-07	0	3.20E-07	0	2.40E-07	0	2.70E-07	0	2.96E-07	0	2.51E-07	0	3.42E-07	0	2.96E-07	0

Congener Name	TECi		TECi		TECi		TECi		TECi		TECi		TECi		TECi		TECi		TECi	
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	1.99E-07		2.10E-08		1.01E-08		2.98E-09		6.40E-09		1.93E-07		6.34E-08		3.40E-09		1.82E-07		4.27E-07	
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	5.96E-07		6.41E-08		3.30E-08		2.60E-08		2.90E-08		6.95E-07		2.11E-07		1.35E-08		5.76E-07		1.40E-06	
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	3.26E-08		1.62E-08		1.50E-08		1.61E-08		4.77E-09		3.82E-08		1.53E-08		4.45E-09		3.55E-08		8.42E-08	
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	2.07E-07		8.10E-08		7.50E-08		8.05E-08		2.39E-08		2.19E-07		5.90E-08		2.23E-08		1.79E-07		3.96E-07	
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	7.10E-08		7.06E-09		1.50E-08		1.61E-08		4.77E-09		7.12E-08		2.36E-08		4.45E-09		7.00E-08		1.47E-07	
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	8.50E-07		1.13E-07		5.09E-08		1.61E-07		4.77E-08		8.59E-07		2.49E-07		4.45E-08		7.10E-07		1.70E-06	
Hexachlorodibenzofuran[1,2,3,4,7,8-]	2.06E-06		1.62E-06		1.50E-06		6.08E-07		4.77E-07		2.42E-06		1.01E-06		4.45E-07		1.83E-06		4.10E-06	
Hexachlorodibenzofuran[1,2,3,6,7,8-]	2.57E-07		1.62E-07		1.50E-07		1.61E-07		4.77E-08		2.80E-07		9.38E-08		4.45E-08		2.34E-07		4.92E-07	
Hexachlorodibenzofuran[1,2,3,7,8,9-]	1.63E-07		1.62E-07		1.50E-07		1.61E-07		4.77E-08		6.95E-08		4.71E-08		4.45E-08		7.92E-08		1.06E-07	
Hexachlorodibenzofuran[2,3,4,6,7,8-]	3.56E-07		1.62E-07		1.50E-07		1.61E-07		4.77E-08		3.56E-07		1.08E-07		4.45E-08		3.31E-07		6.83E-07	
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	1.13E-07		1.28E-08		6.72E-09		1.70E-09		5.26E-09		1.10E-07		4.26E-08		2.04E-09		1.13E-07		2.67E-07	
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	1.17E-08		1.28E-09		7.18E-10		3.31E-10		7.40E-10		1.12E-08		5.41E-09		2.21E-10		1.18E-08		2.86E-08	
Pentachlorodibenzodioxin[1,2,3,7,8-]	1.53E-06		1.62E-06		1.50E-06		1.61E-06		4.77E-07		1.70E-06		6.24E-07		4.45E-07		1.44E-06		2.87E-06	
Pentachlorodibenzofuran[1,2,3,7,8-]	1.63E-07		1.62E-07		1.50E-07		6.14E-08		4.77E-08		4.59E-08		4.56E-08		4.45E-08		5.92E-08		6.14E-08	
Pentachlorodibenzofuran[2,3,4,7,8-]	1.63E-07		1.62E-07		1.50E-07		1.61E-07		4.77E-08		4.59E-08		4.56E-08		4.45E-08		4.46E-08		6.95E-08	
Tetrachlorodibenzodioxin[2,3,7,8-]	3.24E-07		3.22E-07		3.00E-07		3.20E-07		2.40E-07		2.64E-07		2.26E-07		2.28E-07		2.62E-07		2.94E-07	
Tetrachlorodibenzofuran[2,3,7,8-]	3.24E-07		3.22E-07		3.00E-07		3.20E-07		2.40E-07		2.70E-07		2.96E-07		2.51E-07		3.42E-07		2.96E-07	
TEQ	**7.42E-06**		**5.01E-06**		**4.56E-06**		**3.87E-06**		**1.79E-06**		**7.65E-06**		**3.17E-06**		**1.69E-06**		**6.50E-06**		**1.34E-05**	

Table 3-7. Dioxin-Furan Concentrations, TECs, and TEQs for Birds by Sample, cont.

Congener Name	SFB-23-295633		SFB-24-323271		SFB-24-323272		SFB-24-323273		SFB-24-323274	
	(mg/kg)	Code	(mg/kg)	Detect Code	(mg/kg)	Code	(mg/kg)	Code	(mg/kg)	Code
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	6.81E-07	1	1.29E-06	1	5.60E-07	1	2.05E-05	1	2.53E-05	1
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	1.23E-06	0	5.76E-07	1	5.00E-07	0	7.55E-06	1	8.26E-06	1
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.18E-06	0	5.00E-07	0	5.00E-07	0	5.53E-07	1	6.75E-07	1
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	1.24E-06	0	5.00E-07	0	5.00E-07	0	5.57E-07	1	5.14E-07	1
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	1.15E-06	0	5.00E-07	0	5.00E-07	0	9.37E-07	1	9.56E-07	1
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.35E-06	0	5.00E-07	0	5.00E-07	0	1.17E-06	1	1.02E-06	1
Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.13E-06	0	5.00E-07	0	5.00E-07	0	7.75E-07	1	5.78E-07	1
Hexachlorodibenzofuran[1,2,3,6,7,8-]	9.95E-07	0	5.00E-07	0	5.00E-07	0	5.59E-07	1	5.06E-07	1
Hexachlorodibenzofuran[1,2,3,7,8,9-]	1.39E-06	0	5.00E-07	0	5.00E-07	0	4.99E-07	0	4.98E-07	0
Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.20E-06	0	5.00E-07	0	5.00E-07	0	6.39E-07	1	6.73E-07	1
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	2.72E-06	1	7.25E-06	1	4.32E-06	1	1.23E-04	1	1.67E-04	1
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	4.63E-06	0	1.00E-06	0	9.99E-07	0	1.19E-05	1	1.97E-05	1
Pentachlorodibenzodioxin[1,2,3,7,8-]	1.30E-06	0	5.00E-07	0	5.00E-07	0	4.99E-07	0	4.98E-07	0
Pentachlorodibenzofuran[1,2,3,7,8-]	1.15E-06	0	5.00E-07	0	5.00E-07	0	4.99E-07	0	4.98E-07	0
Pentachlorodibenzofuran[2,3,4,7,8-]	1.29E-06	0	5.00E-07	0	5.00E-07	0	4.99E-07	0	4.98E-07	0
Tetrachlorodibenzodioxin[2,3,7,8-]	2.65E-07	0	1.56E-07	0	9.99E-08	0	3.56E-07	1	3.05E-07	1
Tetrachlorodibenzofuran[2,3,7,8-]	2.65E-07	1	2.16E-07	0	1.45E-07	0	3.62E-07	0	3.21E-07	0

Congener Name	TECi		TECi		TECi		TECi		TECi	
Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	6.81E-10		1.29E-09		5.60E-10		2.05E-08		2.53E-08	
Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	1.23E-08		5.76E-09		5.00E-09		7.55E-08		8.26E-08	
Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	1.18E-08		5.00E-09		5.00E-09		5.53E-09		6.75E-09	
Hexachlorodibenzodioxin[1,2,3,4,7,8-]	6.20E-08		2.50E-08		2.50E-08		2.79E-08		2.57E-08	
Hexachlorodibenzodioxin[1,2,3,6,7,8-]	1.15E-08		5.00E-09		5.00E-09		9.37E-09		9.56E-09	
Hexachlorodibenzodioxin[1,2,3,7,8,9-]	1.35E-07		5.00E-08		5.00E-08		1.17E-07		1.02E-07	
Hexachlorodibenzofuran[1,2,3,4,7,8-]	1.13E-06		5.00E-07		5.00E-07		7.75E-07		5.78E-07	
Hexachlorodibenzofuran[1,2,3,6,7,8-]	9.95E-08		5.00E-08		5.00E-08		5.59E-08		5.06E-08	
Hexachlorodibenzofuran[1,2,3,7,8,9-]	1.39E-07		5.00E-08		5.00E-08		4.99E-08		4.98E-08	
Hexachlorodibenzofuran[2,3,4,6,7,8-]	1.20E-07		5.00E-08		5.00E-08		6.39E-08		6.73E-08	
Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	2.72E-10		7.25E-10		4.32E-10		1.23E-08		1.67E-08	
Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	4.63E-10		1.00E-10		9.99E-11		1.19E-09		1.97E-09	
Pentachlorodibenzodioxin[1,2,3,7,8-]	1.30E-06		5.00E-07		5.00E-07		4.99E-07		4.98E-07	
Pentachlorodibenzofuran[1,2,3,7,8-]	1.15E-07		5.00E-08		5.00E-08		4.99E-08		4.98E-08	
Pentachlorodibenzofuran[2,3,4,7,8-]	1.29E-07		5.00E-08		5.00E-08		4.99E-08		4.98E-08	
Tetrachlorodibenzodioxin[2,3,7,8-]	2.65E-07		1.56E-07		9.99E-08		3.56E-07		3.05E-07	
Tetrachlorodibenzofuran[2,3,7,8-]	2.65E-07		2.16E-07		1.45E-07		3.62E-07		3.21E-07	
TEQ	**3.80E-06**		**1.71E-06**		**1.59E-06**		**2.53E-06**		**2.24E-06**	

Notes: The TECi are summed in each column to obtain the TEQ.
Subsurface soil samples (>1 foot deep) are shaded.
The duplicate pair is SFB-23-295637 and SFB-23-295638
Detect Code = 1 is detected, 0 is not detected

TEQ – Toxicity Equivalent Quotient, the sum of the TECs
TEC – Toxicity Equivalent Concentration, the product of the raw concentration and the receptor category specific TEF
TEF – Toxicity Equivalency Factor

Table 3-8. No Effect Hazard Index Analysis by Receptor for Exposure Adjusted with Population Area Use Factors.

Parameter	American Kestrel (Avian Top Carnivore)	American Kestrel (Avian Insectivore Carnivore)	American Robin (Avian Herbivore)	American Robin (Avian Omnivore)	American Robin (Avian Insectivore)	Gray Fox (Mammalian Top Carnivore)	Mountain Cottontail (Mammalian Herbivore)	Montane Shrew (Mammalian Insectivore)	Deer Mouse (Mammalian Omnivore)	Earthworm (Soil-Dwelling Invertebrate)	Generic Plant (Terrestrial Autotroph-Producer)
HR (ha)[a]	106	106	0.42	0.42	0.42	1038	3.1	0.39	0.077	NA	NA
Population Area (ha)	4240	4240	16.8	16.8	16.8	41,520	124	15.6	3.08	NA	NA
PAUF[b]	1.91E-04	1.91E-04	0.048	0.048	0.048	1.95E-05	0.0065	0.052	0.263	NA	NA
PAUF-ADJUSTED REFINED EPC/NE ESL HAZARD QUOTIENTS											
Inorganic											
Barium	1E-05	3E-05	9E-02	9E-02	8E-02	6E-07	3E-03	3E-02	2E-01	4E+00	1E+01
Nitrate	-	-	-	-	-	-	-	-	-	-	-
Nitrate as Nitrogen	-	-	-	-	-	-	-	-	-	-	-
Perchlorate	7E-08	4E-08	3E-04	1E-04	1E-06	4E-09	2E-05	1E-06	9E-04	2E-04	2E-05
Selenium	2E-06	5E-05	4E-02	5E-02	6E-02	2E-07	3E-03	7E-02	3E-01	2E-01	2E+00
Silver	5E-07	3E-05	8E-03	2E-02	3E-02	8E-09	7E-05	6E-03	2E-02	-	3E-03
Zinc	5E-06	5E-05	9E-03	4E-02	6E-02	1E-07	2E-04	3E-02	1E-01	5E-01	4E-01
Organic											
Acenaphthene	-	-	-	-	-	7E-12	1E-07	4E-06	2E-05	-	4E-02
Amino-2,6-dinitrotoluene[4-]	-	-	-	-	-	7E-10	5E-06	1E-03	3E-03	1E-02	7E-03
Amino-4,6-dinitrotoluene[2-]	-	-	-	-	-	3E-10	9E-06	5E-04	2E-03	3E-03	1E-02
Anthracene	-	-	-	-	-	5E-12	5E-08	2E-06	9E-06	-	1E-03
Benzo(a)anthracene	2E-07	8E-07	2E-03	2E-03	1E-03	5E-09	3E-05	3E-04	2E-03	-	1E-03
Benzo(a)pyrene	-	-	-	-	-	1E-10	6E-07	2E-05	7E-05	-	-
Benzo(b)fluoranthene	-	-	-	-	-	5E-10	3E-06	7E-05	3E-04	-	3E-03
Benzo(g,h,i)perylene	-	-	-	-	-	6E-11	2E-07	2E-05	7E-05	-	-
Benzo(k)fluoranthene	-	-	-	-	-	8E-11	4E-07	1E-05	5E-05	-	-
Benzoic Acid	-	-	-	-	-	3E-09	4E-04	1E-02	6E-02	-	-
Bis(2-ethylhexyl)phthalate	1E-05	1E-03	1E-03	6E-01	1E+00	2E-08	2E-06	4E-02	1E-01	-	-
Chrysene	-	-	-	-	-	1E-08	6E-05	9E-04	5E-03	-	-
Di-n-butylphthalate	1E-06	5E-05	2E-03	3E-02	6E-02	4E-12	5E-09	4E-06	1E-05	-	9E-05
Fluoranthene	-	-	-	-	-	7E-11	3E-07	3E-05	9E-05	1E-03	-
HMX	-	-	-	-	-	8E-10	4E-05	1E-04	2E-03	1E-01	9E-04
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	4E-11	1E-07	8E-06	3E-05	-	-
Isopropyltoluene[4-]	-	-	-	-	-	7E-13	4E-08	1E-06	4E-06	-	2E-06
Perfluorobutanoic acid	-	-	-	-	-	3E-11	1E-08	2E-07	1E-06	-	3E-07

Parameter	American Kestrel (Avian Top Carnivore)	American Kestrel (Avian Insectivore Carnivore)	American Robin (Avian Herbivore)	American Robin (Avian Omnivore)	American Robin (Avian Insectivore)	Gray Fox (Mammalian Top Carnivore)	Mountain Cottontail (Mammalian Herbivore)	Montane Shrew (Mammalian Insectivore)	Deer Mouse (Mammalian Omnivore)	Earthworm (Soil-Dwelling Invertebrate)	Generic Plant (Terrestrial Autotroph-Producer)
Perfluorooctanesulfonic acid	9E-07	1E-06	4E-05	5E-04	1E-03	2E-08	9E-07	4E-04	1E-03	3E-05	2E-05
Perfluorooctanoic acid	-	-	-	-	-	3E-08	3E-07	6E-05	2E-04	2E-05	1E-02
Perfluoropentanoic acid	-	-	-	-	-	-	-	-	-	-	-
Pyrene	8E-10	2E-08	9E-06	1E-05	2E-05	8E-11	8E-07	3E-05	1E-04	1E-03	-
RDX	2E-06	1E-04	2E-01	2E-01	1E-01	2E-08	1E-03	2E-02	1E-01	9E-01	-
TATB	-	-	-	-	-	4E-09	9E-05	1E-04	5E-03	2E-01	-
TCDD TEQ	-	-	-	-	-	4E-06	3E-03	3E+00	9E+00	4E-06	-
TPH DRO	-	-	-	-	-	-	-	-	-	1E-01	3E-01
Trinitrotoluene[2,4,6-]	2E-08	4E-08	2E-03	1E-03	1E-04	2E-10	2E-05	8E-06	8E-04	9E-03	5E-03
Hazard Index	**3E-05**	**1E-03**	**3E-01**	**1E+00**	**2E+00**	**5E-06**	**1E-02**	**4E+00**	**9E+00**	**6E+00**	**1E+01**

Notes: . " - " indicates an ESL was not available and an HQ cannot be calculated. Shaded HQ cells indicate the value exceeds the target HQ of 0.1.
Shaded HI cells indicate the HI exceeds the target of 1. HQs and HIs are rounded to one significant digit.
Area of Site = 0.8094 ha (2 ac)
ESLs - Ecological screening level
HR - Home range
NA - Not applicable
PAUF - Population area use factor
ha - hectare

a - Values from USEPA (1993)
b - Derived as 40*HR. PAUF is the area of site divided by the Population Area

Table 3-9. Low Effect Hazard Index Analysis by Receptor for Exposure Adjusted with Population Area Use Factors.

Parameter	American Kestrel (Avian Top Carnivore)	American Kestrel (Avian Intermediate Carnivore)	American Robin (Avian Herbivore)	American Robin (Avian Omnivore)	American Robin (Avian Insectivore)	Gray Fox (Mammalian Top Carnivore)	Mountain Cottontail (Mammalian Herbivore)	Montane Shrew (Mammalian Insectivore)	Deer Mouse (Mammalian Omnivore)	Earthworm (Soil-Dwelling Invertebrate)	Generic Plant (Terrestrial Autotroph-Producer)
HR (ha)[a]	106	106	0.42	0.42	0.42	1038	3.1	0.39	0.077	NA	NA
Population Area (ha)	4240	4240	16.8	16.8	16.8	41,520	124	15.6	3.08	NA	NA
PAUF[b]	1.91E-04	1.91E-04	0.048	0.048	0.048	1.95E-05	0.0065	0.052	0.263	NA	NA
PAUF-ADJUSTED REFINED EPC/LE ESL HAZARD QUOTIENTS											
Inorganic											
Barium	6E-06	2E-05	5E-02	5E-02	5E-02	1E-07	6E-04	7E-03	4E-02	4E-01	5E+00
Nitrate	-	-	-	-	-	-	-	-	-	-	-
Nitrate as Nitrogen	-	-	-	-	-	-	-	-	-	-	-
Perchlorate	4E-08	2E-08	1E-04	7E-05	6E-07	9E-10	4E-06	3E-07	2E-04	2E-05	9E-06
Selenium	1E-06	2E-05	2E-02	3E-02	3E-02	1E-07	2E-03	5E-02	2E-01	2E-02	3E-01
Silver	5E-08	3E-06	8E-04	2E-03	3E-03	8E-10	7E-06	6E-04	2E-03	-	6E-04
Zinc	2E-06	2E-05	3E-03	1E-02	3E-02	1E-08	2E-05	3E-03	1E-02	7E-02	8E-02
Organic											
	-	-	-	-	-	7E-13	1E-08	4E-07	2E-06	-	5E-03
Amino-2,6-dinitrotoluene[4-]	-	-	-	-	-	7E-11	5E-07	1E-04	3E-04	1E-03	7E-04
Amino-4,6-dinitrotoluene[2-]	-	-	-	-	-	3E-11	9E-07	5E-05	2E-04	3E-04	1E-03
Anthracene	-	-	-	-	-	5E-13	5E-09	2E-07	9E-07	-	1E-03
Benzo(a)anthracene	2E-08	8E-08	2E-04	2E-04	1E-04	5E-10	3E-06	3E-05	2E-04	-	1E-04
Benzo(a)pyrene	-	-	-	-	-	4E-11	2E-07	6E-06	2E-05	-	-
Benzo(b)fluoranthene	-	-	-	-	-	5E-11	3E-07	7E-06	3E-05	-	3E-04
Benzo(g,h,i)perylene	-	-	-	-	-	6E-12	2E-08	2E-06	7E-06	-	-
Benzo(k)fluoranthene	-	-	-	-	-	8E-12	4E-08	1E-06	5E-06	-	-
Benzoic Acid	-	-	-	-	-	3E-10	4E-05	1E-03	6E-03	-	-
Bis(2-ethylhexyl)phthalate	1E-06	1E-04	1E-04	6E-02	1E-01	2E-09	2E-07	4E-03	1E-02	-	-
Chrysene	-	-	-	-	-	1E-09	6E-06	9E-05	5E-04	-	-
Di-n-butylphthalate	1E-07	5E-06	2E-04	3E-03	6E-03	2E-12	2E-09	2E-06	4E-06	-	2E-05
Fluoranthene	-	-	-	-	-	7E-12	3E-08	3E-06	9E-06	6E-04	-
HMX	-	-	-	-	-	3E-10	1E-05	4E-05	8E-04	1E-02	7E-04

Parameter	American Kestrel (Avian Top Carnivore)	American Kestrel (Avian Intermediate Carnivore)	American Robin (Avian Herbivore)	American Robin (Avian Omnivore)	American Robin (Avian Insectivore)	Gray Fox (Mammalian Top Carnivore)	Mountain Cottontail (Mammalian Herbivore)	Montane Shrew (Mammalian Insectivore)	Deer Mouse (Mammalian Omnivore)	Earthworm (Soil-Dwelling Invertebrate)	Generic Plant (Terrestrial Autotroph-Producer)
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	4E-12	1E-08	8E-07	3E-06	-	-
Isopropyltoluene[4-]	-	-	-	-	-	7E-14	4E-09	1E-07	5E-07	-	2E-07
Perfluorobutanoic acid	-	-	-	-	-	1E-11	5E-09	8E-08	4E-07	-	-
Perfluorooctanesulfonic acid	9E-08	1E-07	4E-06	5E-05	1E-04	1E-08	5E-07	3E-04	7E-04	2E-06	7E-06
Perfluorooctanoic acid	-	-	-	-	-	1E-08	1E-07	3E-05	2E-04	-	1E-03
Perfluoropentanoic acid	-	-	-	-	-	-	-	-	-	-	-
Pyrene	8E-11	2E-09	9E-07	1E-06	2E-06	8E-12	8E-08	3E-06	1E-05	6E-04	-
RDX	1E-06	6E-05	8E-02	8E-02	8E-02	7E-09	4E-04	7E-03	4E-02	5E-01	-
TATB	-	-	-	-	-	4E-10	9E-06	1E-05	5E-04	7E-02	-
TCDD TEQ	-	-	-	-	-	5E-07	5E-04	5E-01	1E+00	2E-06	-
TPH Diesel Range Organics	-	-	-	-	-	-	-	-	-	1E-02	6E-02
Trinitrotoluene[2,4,6-]	1E-08	2E-08	1E-03	6E-04	7E-05	5E-11	4E-06	2E-06	2E-04	5E-03	3E-03
Hazard Index	**1E-05**	**2E-04**	**2E-01**	**2E-01**	**3E-01**	**9E-07**	**3E-03**	**6E-01**	**2E+00**	**1E+00**	**6E+00**

Notes: . " - " indicates an ESL was not available and an HQ cannot be calculated. Shaded HQ cells indicate the value exceeds a target HQ of 0.1.
Shaded HI cells indicate the HI exceeds the target of 1. HQs and HIs are rounded to one significant digit.
Area of Site = 0.81 ha (2 ac)
ESLs - Ecological screening level
HR - Home range
NA - Not applicable
PAUF - Population area use factor
ha – hectare

a - Values from USEPA (1993)
b - Derived as 40*HR. PAUF is the area of site divided by the Population Area

Table 3- 10. PRGs for Ecological Receptors with LOAEL PAUF HQs> 0.1.

COPEC	Refined EPC (mg/kg)	PRGs (mg/kg)				
		Montane Shrew	Deer Mouse	Am. Robin	Earthworm	Plants
Barium	1363	-	-	-	3200	1400
Selenium	0.883	-	100	-	-	15
RDX	7.46	-	-	-	15	-
TCDD TEQ	1.88E-05	3.20E-05	7.00E-05	-	-	-

Note: Only barium produced an HQ> 1 (Table 3-9), and this was for plants
" - " the HQ was less than 0.1

Figures

Figure 1-1. Map of Sampling Locations For TA-16-399

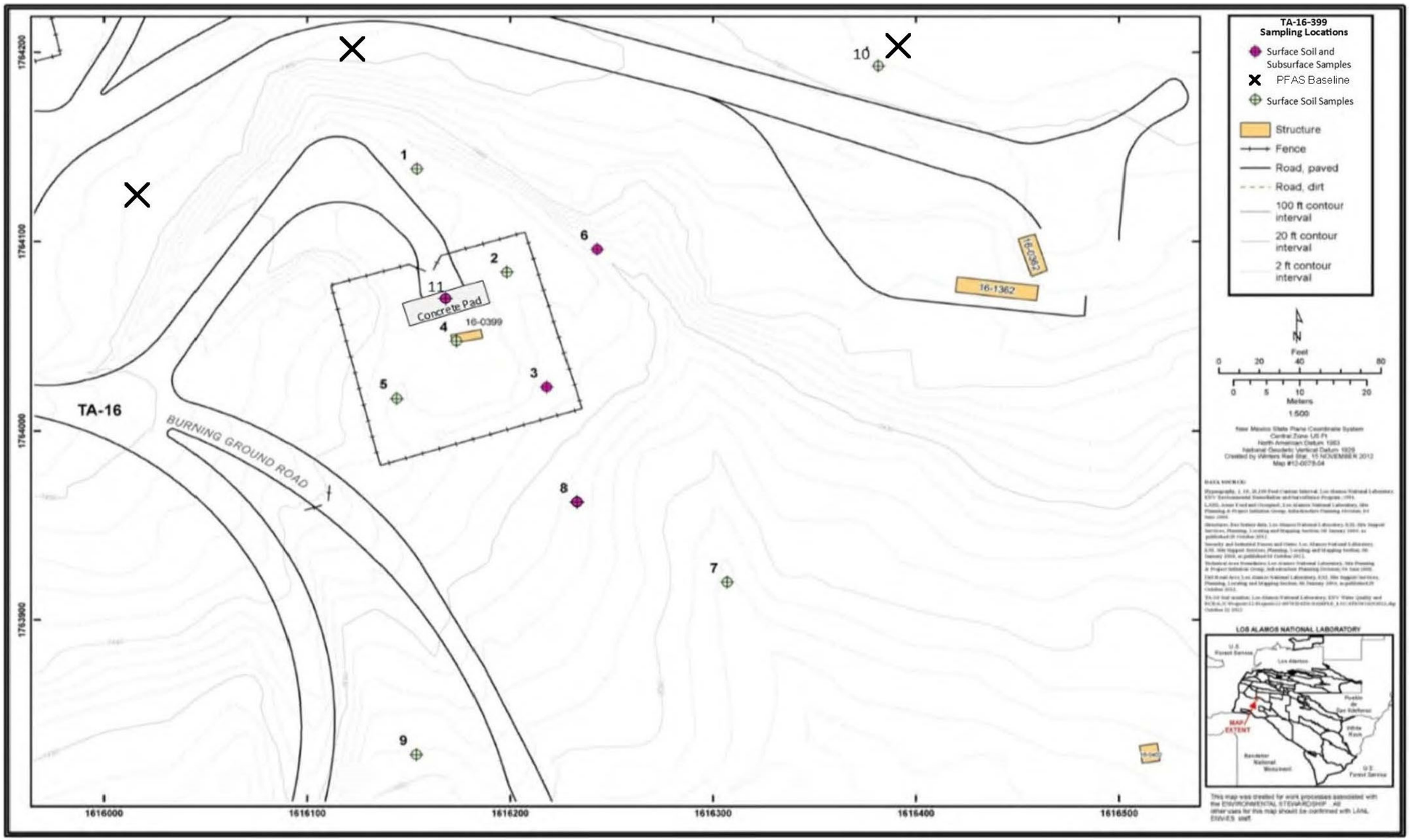


Figure 1-2. Sampling Locations Showing Excavated Boundary and Locations

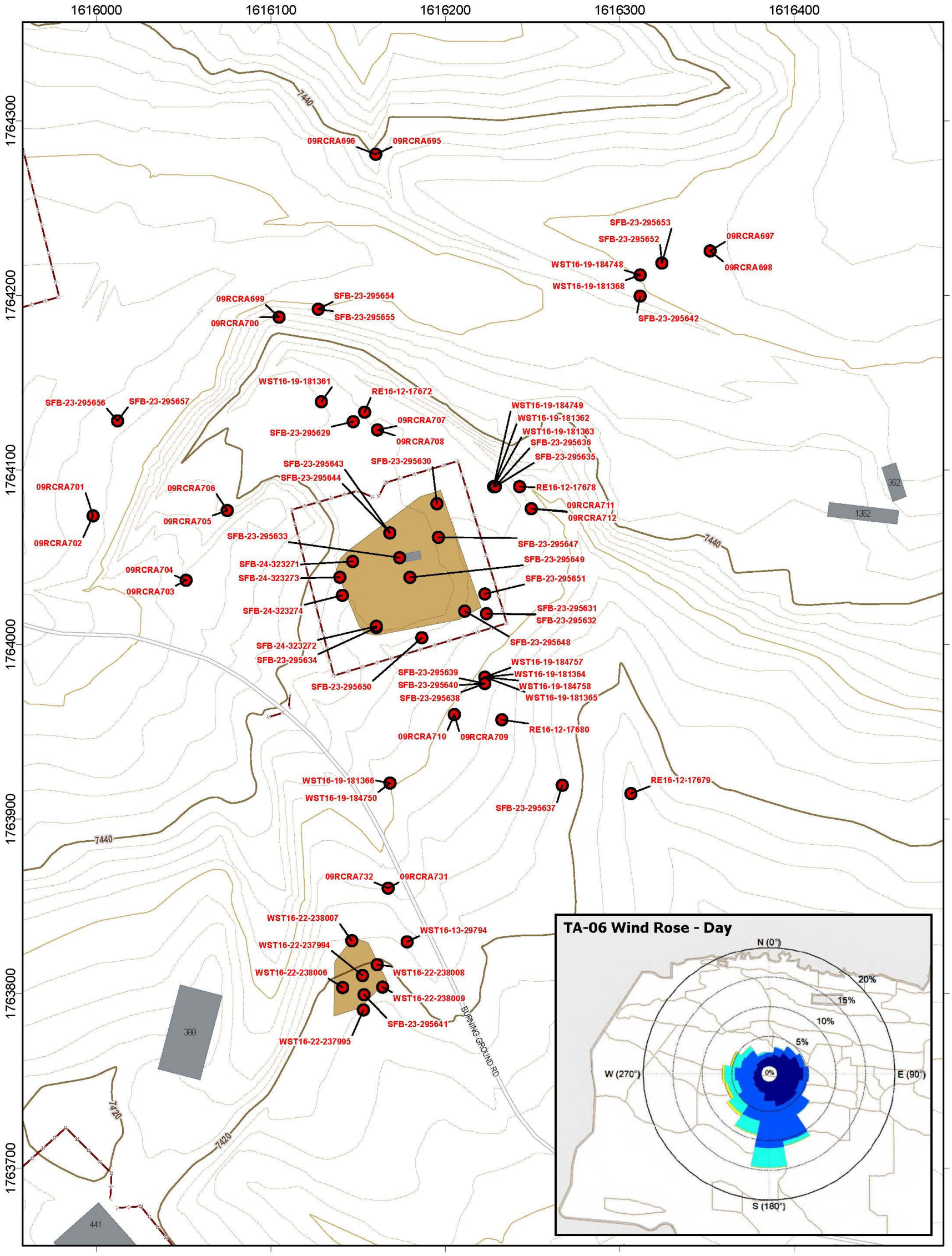


Figure 1-3. Soil Concentrations for Nitrates, Perchlorates and Metals Detected Above Background Values

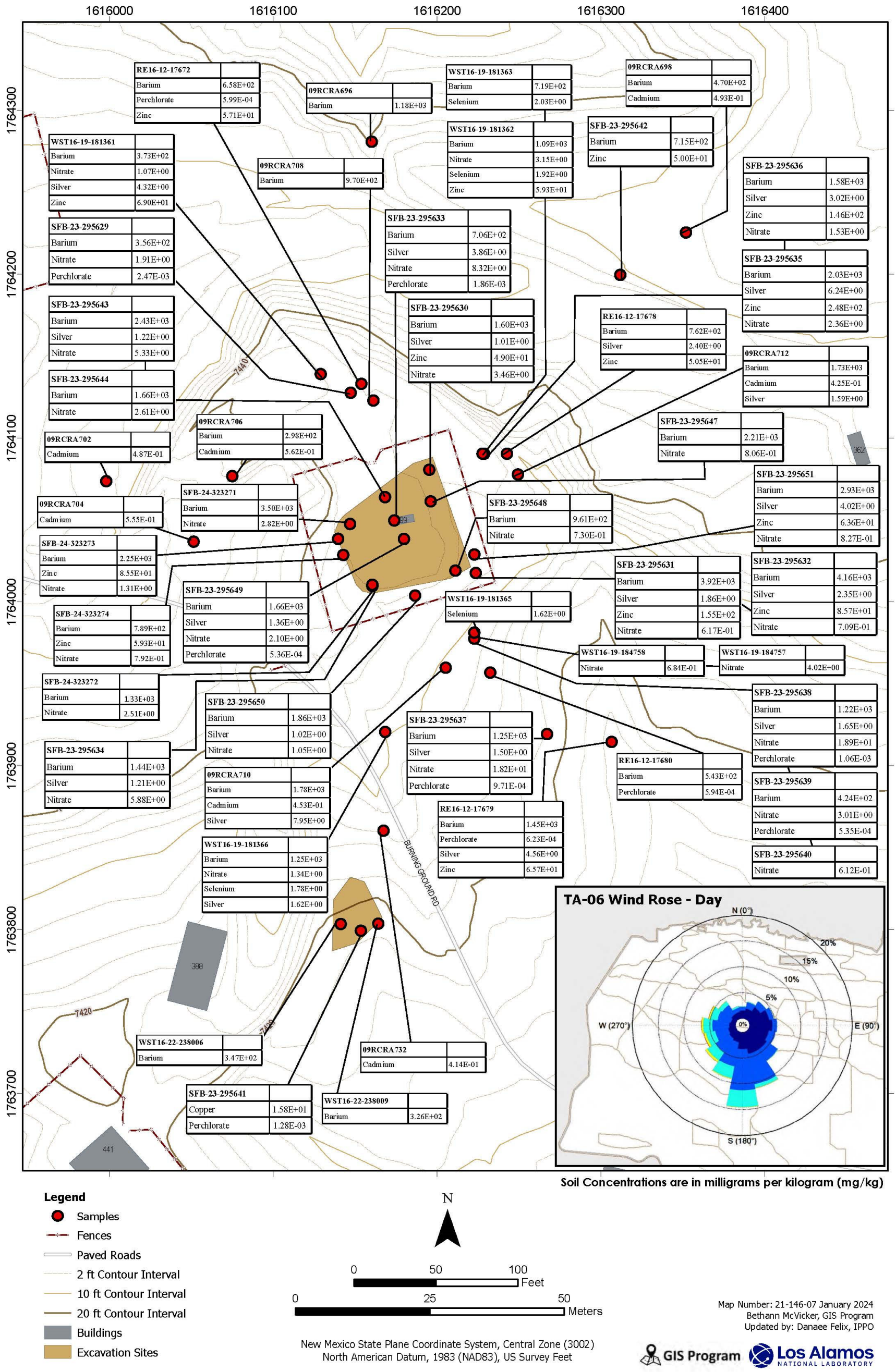


Figure 1-4. Soil Concentrations for Explosives

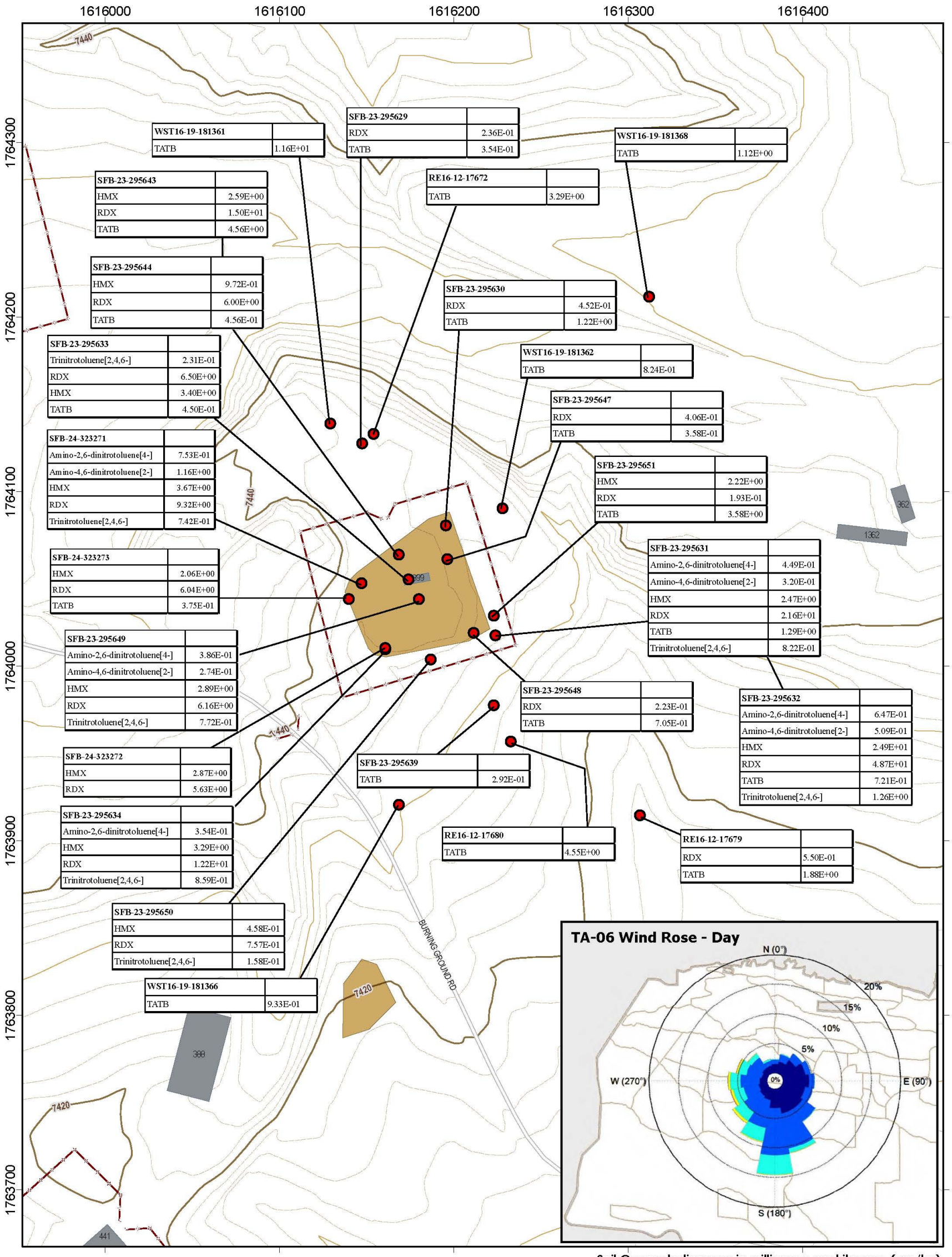
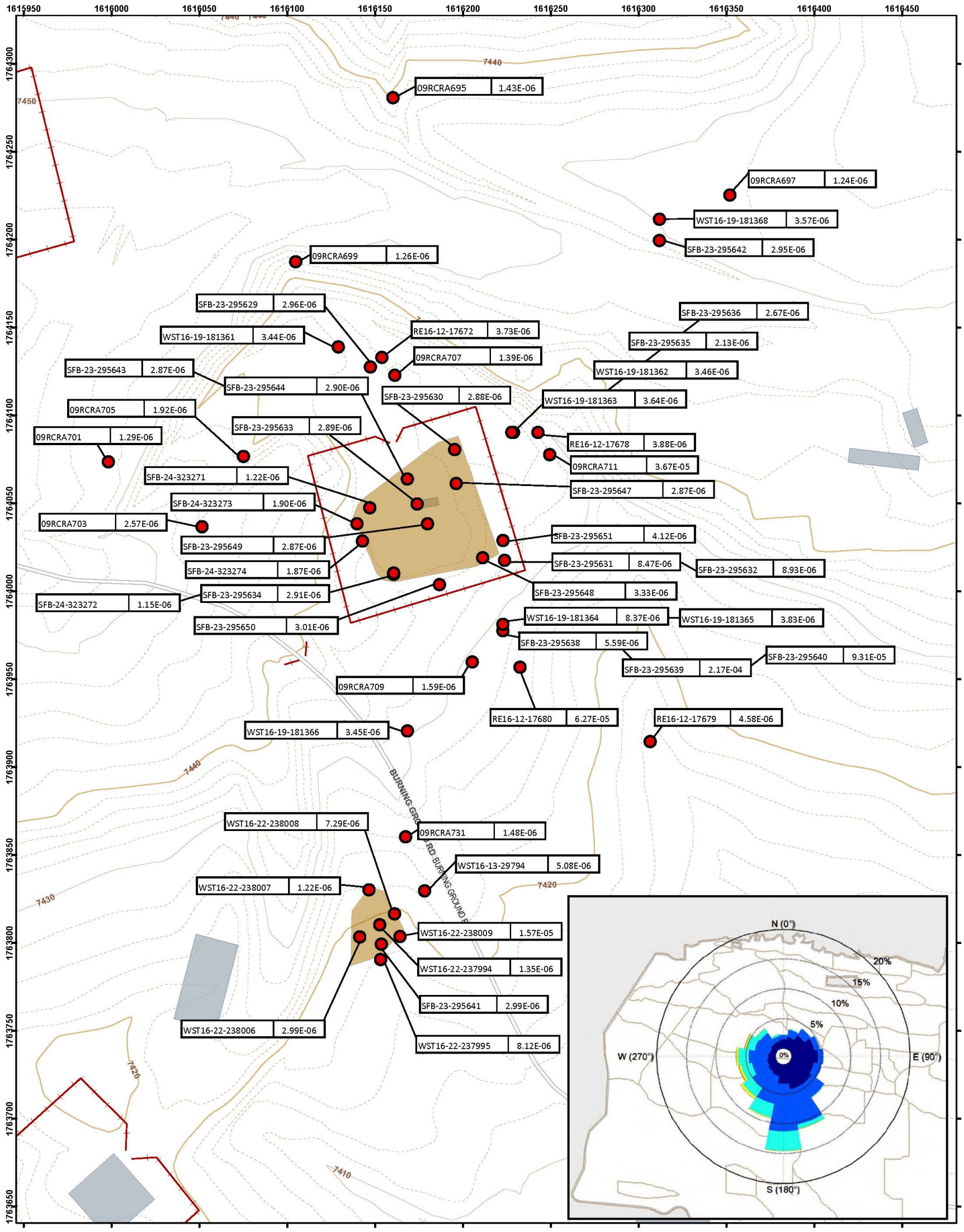


Figure 1-5. Toxic Equivalency (TEQ) Values for Dioxin/Furan Congeners



Legend

- Samples
- Paved Roads
- Fences
- 2 ft Contour Interval
- 10 ft Contour Interval
- 20 ft Contour Interval
- 100 ft Contour Interval
- Excavation sites
- Buildings

N

0 50 100 Feet

0 25 50 Meters

New Mexico State Plane Coordinate System, Central Zone (3002)
North American Datum, 1983 (NAD 83), US Survey Feet

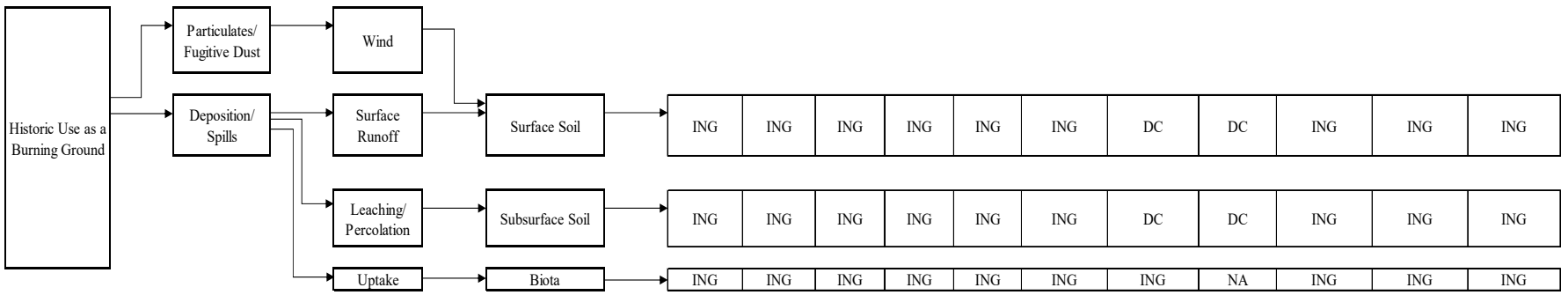
This map was created for work processes associated with the ENVIRONMENTAL STEWARDSHIP program. All other uses for this map should be confirmed with LANL EPC-WMP staff.

Soil Concentrations are in milligrams per kilogram (mg/kg)

Map Number: 21-146-03 January 2022
Bethann McVicker, IFPROGDATA
Updated by Robyn Hollis, IPPO

GIS Program Los Alamos NATIONAL LABORATORY

Figure 3-1. Ecological Conceptual Site Model



Dermal and inhalation exposure are recognized as potentially complete pathways. These pathways are considered insignificant relative to ingestion exposure and are not quantitatively evaluated
The site area is 0.26 ac.
There is no riparian habitat. The shrew is retained as a potential receptor only as a surrogate for other mammalian insectivores that might occur.

C	carnivore	ING - Ingestion
IC	insectivore / carnivore	DC - Direct contact
TC	top carnivore	NA - Not applicable
H	herbivore	
I	insectivore	
O	omnivore	

Attachment A.1 ProUCL Output for UCL95 and Background Statistics

UCL Statistics for Data Sets with Non-Detects	Surface Soil		
User Selected Options			
Date/Time of Computation	ProUCL 5.2 7/14/2024 10:56:21 AM EPC 2024		
From File	.xls		
Full Precision	OFF		
Confidence Coefficient	95%		
Number of Bootstrap Operations	2000		
Barium			
General Statistics			
Total Number of Observations	46	Number of Distinct Observations	45
		Number of Missing Observations	3
Minimum	44.4	Mean	954.9
Maximum	3920	Median	710.5
SD	889.4	Std. Error of Mean	131.1
Coefficient of Variation	0.931	Skewness	1.502
Normal GOF Test			
Shapiro Wilk Test Statistic	0.842	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.927	Data Not Normal at 1% Significance Level	
Lilliefors Test Statistic	0.161	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.151	Data Not Normal at 1% Significance Level	
Data Not Normal at 1% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	1175	95% Adjusted-CLT UCL (Chen-1995)	1202
		95% Modified-t UCL (Johnson-1978)	1180
Gamma GOF Test			
A-D Test Statistic	0.396	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.773	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.109	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.134	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data appear Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	1.218	k star (bias corrected MLE)	1.154
Theta hat (MLE)	783.6	Theta star (bias corrected MLE)	827.8
nu hat (MLE)	112.1	nu star (bias corrected)	106.1
MLE Mean (bias corrected)	954.9	MLE Sd (bias corrected)	889.1
		Approximate Chi Square Value (0.05)	83.35
Adjusted Level of Significance	0.0448	Adjusted Chi Square Value	82.7
Assuming Gamma Distribution			
95% Approximate Gamma UCL	1216	95% Adjusted Gamma UCL	1225
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.969	Shapiro Wilk Lognormal GOF Test	
10% Shapiro Wilk Critical Value	0.953	Data appear Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.0871	Lilliefors Lognormal GOF Test	
10% Lilliefors Critical Value	0.119	Data appear Lognormal at 10% Significance Level	
Data appear Lognormal at 10% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	3.793	Mean of logged Data	6.398
Maximum of Logged Data	8.274	SD of logged Data	1.053
Assuming Lognormal Distribution			
95% H-UCL	1520	90% Chebyshev (MVUE) UCL	1595
95% Chebyshev (MVUE) UCL	1852	97.5% Chebyshev (MVUE) UCL	2210
99% Chebyshev (MVUE) UCL	2911		
Nonparametric Distribution Free UCL Statistics			
Data appear to follow a Discernible Distribution			
Nonparametric Distribution Free UCLs			
95% CLT UCL	1171	95% BCA Bootstrap UCL	1225
95% Standard Bootstrap UCL	1172	95% Bootstrap-t UCL	1214
95% Hall's Bootstrap UCL	1202	95% Percentile Bootstrap UCL	1188
90% Chebyshev(Mean, Sd) UCL	1348	95% Chebyshev(Mean, Sd) UCL	1526
97.5% Chebyshev(Mean, Sd) UCL	1774	99% Chebyshev(Mean, Sd) UCL	2260
Suggested UCL to Use			
95% Adjusted Gamma UCL	1225		
Cadmium			
General Statistics			
Total Number of Observations	46	Number of Distinct Observations	39
		Number of Missing Observations	3
Number of Detects	15	Number of Non-Detects	31
Number of Distinct Detects	15	Number of Distinct Non-Detects	26

Minimum Detect	0.102	Minimum Non-Detect	0.0862
Maximum Detect	0.562	Maximum Non-Detect	0.119
Variance Detects	0.0277	Percent Non-Detects	67.39%
Mean Detects	0.335	SD Detects	0.166
Median Detects	0.33	CV Detects	0.496
Skewness Detects	-0.223	Kurtosis Detects	-1.438
Mean of Logged Detects	-1.25	SD of Logged Detects	0.629

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.905	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.835	Detected Data appear Normal at 1% Significance Level	
Lilliefors Test Statistic	0.149	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.255	Detected Data appear Normal at 1% Significance Level	

Detected Data appear Normal at 1% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	0.168	KM Standard Error of Mean	0.0226
90KM SD	0.148	95% KM (BCA) UCL	0.206
95% KM (t) UCL	0.206	95% KM (Percentile Bootstrap) UCL	0.206
95% KM (z) UCL	0.205	95% KM Bootstrap t UCL	0.211
90% KM Chebyshev UCL	0.236	95% KM Chebyshev UCL	0.266
97.5% KM Chebyshev UCL	0.309	99% KM Chebyshev UCL	0.393

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.777	Anderson-Darling GOF Test	
		Detected Data Not Gamma Distributed at 5% Significance	
5% A-D Critical Value	0.743	Level	
K-S Test Statistic	0.204	Kolmogorov-Smirnov GOF	
5% K-S Critical Value	0.223	Detected data appear Gamma Distributed at 5% Significance Level	

Detected data follow Appr. Gamma Distribution at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	3.343	k star (bias corrected MLE)	2.719
Theta hat (MLE)	0.1	Theta star (bias corrected MLE)	0.123
nu hat (MLE)	100.3	nu star (bias corrected)	81.57
Mean (detects)	0.335		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.118
Maximum	0.562	Median	0.01
SD	0.179	CV	1.524
k hat (MLE)	0.487	k star (bias corrected MLE)	0.47
Theta hat (MLE)	0.241	Theta star (bias corrected MLE)	0.25
nu hat (MLE)	44.84	nu star (bias corrected)	43.25
Adjusted Level of Significance (β)	0.0448		
Approximate Chi Square Value (43.25, α)	29.17	Adjusted Chi Square Value (43.25, β)	28.8
95% Gamma Approximate UCL	0.174	95% Gamma Adjusted UCL	0.177

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.168	SD (KM)	0.148
Variance (KM)	0.022	SE of Mean (KM)	0.0226
k hat (KM)	1.279	k star (KM)	1.21
nu hat (KM)	117.7	nu star (KM)	111.3
theta hat (KM)	0.131	theta star (KM)	0.139
80% gamma percentile (KM)	0.265	90% gamma percentile (KM)	0.368
95% gamma percentile (KM)	0.47	99% gamma percentile (KM)	0.703

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (111.33, α)	87.97	Adjusted Chi Square Value (111.33, β)	87.3
95% KM Approximate Gamma UCL	0.212	95% KM Adjusted Gamma UCL	0.214

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.851	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.901	Detected Data Not Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.234	Lilliefors GOF Test	
10% Lilliefors Critical Value	0.202	Detected Data Not Lognormal at 10% Significance Level	

Detected Data Not Lognormal at 10% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.143	Mean in Log Scale	-2.453
SD in Original Scale	0.164	SD in Log Scale	0.935
95% t UCL (assumes normality of ROS data)	0.183	95% Percentile Bootstrap UCL	0.183
95% BCA Bootstrap UCL	0.187	95% Bootstrap t UCL	0.191
95% H-UCL (Log ROS)	0.183		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-2.056	KM Geo Mean	0.128
KM SD (logged)	0.66	95% Critical H Value (KM-Log)	2.002

KM Standard Error of Mean (logged)	0.101	95% H-UCL (KM -Log)	0.194
KM SD (logged)	0.66	95% Critical H Value (KM-Log)	2.002
KM Standard Error of Mean (logged)	0.101		
DL/2 Statistics			
DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.142	Mean in Log Scale	-2.44
SD in Original Scale	0.164	SD in Log Scale	0.911
95% t UCL (Assumes normality)	0.183	95% H-Stat UCL	0.179

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Normal Distributed at 1% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.206

Copper

General Statistics

Total Number of Observations	36	Number of Distinct Observations	36
		Number of Missing Observations	13
Minimum	2.64	Mean	6.809
Maximum	15.8	Median	6.37
SD	3.057	Std. Error of Mean	0.51
Coefficient of Variation	0.449	Skewness	1.073

Normal GOF Test

Shapiro Wilk Test Statistic	0.924	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.912	Data appear Normal at 1% Significance Level	
Lilliefors Test Statistic	0.118	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.17	Data appear Normal at 1% Significance Level	

Data appear Normal at 1% Significance Level

Assuming Normal Distribution

95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	7.67	95% Adjusted-CLT UCL (Chen-1995)	7.745
		95% Modified-t UCL (Johnson-1978)	7.686

Gamma GOF Test

A-D Test Statistic	0.182	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.75	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.0616	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.147	Detected data appear Gamma Distributed at 5% Significance Level	

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	5.479	k star (bias corrected MLE)	5.041
Theta hat (MLE)	1.243	Theta star (bias corrected MLE)	1.351
nu hat (MLE)	394.5	nu star (bias corrected)	362.9
MLE Mean (bias corrected)	6.809	MLE Sd (bias corrected)	3.033
		Approximate Chi Square Value (0.05)	319.8
Adjusted Level of Significance	0.0428	Adjusted Chi Square Value	318

Assuming Gamma Distribution

95% Approximate Gamma UCL	7.728	95% Adjusted Gamma UCL	7.773

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.98	Shapiro Wilk Lognormal GOF Test	
10% Shapiro Wilk Critical Value	0.945	Data appear Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.0773	Lilliefors Lognormal GOF Test	
10% Lilliefors Critical Value	0.134	Data appear Lognormal at 10% Significance Level	

Data appear Lognormal at 10% Significance Level

Lognormal Statistics

Minimum of Logged Data	0.971	Mean of logged Data	1.824
Maximum of Logged Data	2.76	SD of logged Data	0.443

Assuming Lognormal Distribution

95% H-UCL	7.864	90% Chebyshev (MVUE) UCL	8.382
95% Chebyshev (MVUE) UCL	9.091	97.5% Chebyshev (MVUE) UCL	10.07
99% Chebyshev (MVUE) UCL	12.01		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution

Nonparametric Distribution Free UCLs

95% CLT UCL	7.648	95% BCA Bootstrap UCL	7.724
95% Standard Bootstrap UCL	7.627	95% Bootstrap-t UCL	7.771
95% Hall's Bootstrap UCL	7.81	95% Percentile Bootstrap UCL	7.66
90% Chebyshev(Mean, Sd) UCL	8.338	95% Chebyshev(Mean, Sd) UCL	9.03
97.5% Chebyshev(Mean, Sd) UCL	9.992	99% Chebyshev(Mean, Sd) UCL	11.88

Suggested UCL to Use

95% Student's-t UCL	7.67

Nitrate

General Statistics

Total Number of Observations	11	Number of Distinct Observations	11

		Number of Missing Observations	27
Number of Detects	9	Number of Non-Detects	2
Number of Distinct Detects	9	Number of Distinct Non-Detects	2
Minimum Detect	0.684	Minimum Non-Detect	0.325
Maximum Detect	18.9	Maximum Non-Detect	0.329
Variance Detects	32.18	Percent Non-Detects	18.18%
Mean Detects	4.049	SD Detects	5.672
Median Detects	2.36	CV Detects	1.401
Skewness Detects	2.795	Kurtosis Detects	8.088
Mean of Logged Detects	0.896	SD of Logged Detects	0.953
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.573	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.764	Detected Data Not Normal at 1% Significance Level	
Lilliefors Test Statistic	0.391	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.316	Detected Data Not Normal at 1% Significance Level	
Detected Data Not Normal at 1% Significance Level			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	3.372	KM Standard Error of Mean	1.614
90KM SD	5.046	95% KM (BCA) UCL	6.579
95% KM (t) UCL	6.297	95% KM (Percentile Bootstrap) UCL	6.366
95% KM (z) UCL	6.027	95% KM Bootstrap t UCL	12.75
90% KM Chebyshev UCL	8.213	95% KM Chebyshev UCL	10.41
97.5% KM Chebyshev UCL	13.45	99% KM Chebyshev UCL	19.43
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.744	Anderson-Darling GOF Test	
		Detected Data Not Gamma Distributed at 5% Significance	
5% A-D Critical Value	0.741	Level	
K-S Test Statistic	0.267	Kolmogorov-Smirnov GOF	
5% K-S Critical Value	0.286	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data follow Appr. Gamma Distribution at 5% Significance Level			
Note GOF tests may be unreliable for small sample sizes			
Gamma Statistics on Detected Data Only			
k hat (MLE)	1.133	k star (bias corrected MLE)	0.829
Theta hat (MLE)	3.574	Theta star (bias corrected MLE)	4.882
nu hat (MLE)	20.39	nu star (bias corrected)	14.93
Mean (detects)	4.049		
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)			
For such situations, GROS method may yield incorrect values of UCLs and BTVs			
This is especially true when the sample size is small.			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	3.315
Maximum	18.9	Median	1.91
SD	5.33	CV	1.608
k hat (MLE)	0.489	k star (bias corrected MLE)	0.416
Theta hat (MLE)	6.775	Theta star (bias corrected MLE)	7.959
nu hat (MLE)	10.77	nu star (bias corrected)	9.162
Adjusted Level of Significance (β)	0.0278		
Approximate Chi Square Value (9.16, α)	3.425	Adjusted Chi Square Value (9.16, β)	2.878
95% Gamma Approximate UCL	8.867	95% Gamma Adjusted UCL	10.55
Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	3.372	SD (KM)	5.046
Variance (KM)	25.46	SE of Mean (KM)	1.614
k hat (KM)	0.447	k star (KM)	0.385
nu hat (KM)	9.825	nu star (KM)	8.479
theta hat (KM)	7.551	theta star (KM)	8.75
80% gamma percentile (KM)	5.417	90% gamma percentile (KM)	9.587
95% gamma percentile (KM)	14.19	99% gamma percentile (KM)	25.82
Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (8.48, α)	3.015	Adjusted Chi Square Value (8.48, β)	2.509
95% KM Approximate Gamma UCL	9.482	95% KM Adjusted Gamma UCL	11.39
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.927	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.859	Detected Data appear Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.191	Lilliefors GOF Test	
10% Lilliefors Critical Value	0.252	Detected Data appear Lognormal at 10% Significance Level	
Detected Data appear Lognormal at 10% Significance Level			
Note GOF tests may be unreliable for small sample sizes			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	3.361	Mean in Log Scale	0.49
SD in Original Scale	5.3	SD in Log Scale	1.242
95% t UCL (assumes normality of ROS data)	6.257	95% Percentile Bootstrap UCL	6.323

95% BCA Bootstrap UCL	8.026	95% Bootstrap t UCL	12.41
95% H-UCL (Log ROS)	13.88		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	0.529	KM Geo Mean	1.697
KM SD (logged)	1.126	95% Critical H Value (KM-Log)	3.245
KM Standard Error of Mean (logged)	0.36	95% H-UCL (KM -Log)	10.16
KM SD (logged)	1.126	95% Critical H Value (KM-Log)	3.245
KM Standard Error of Mean (logged)	0.36		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	3.343	Mean in Log Scale	0.404
SD in Original Scale	5.311	SD in Log Scale	1.388
95% t UCL (Assumes normality)	6.245	95% H-Stat UCL	20.7

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Gamma Distributed at 5% Significance Level

Suggested UCL to Use

95% KM Bootstrap t UCL	12.75	95% Hall's Bootstrap	10.16

Nitrate as Nitrogen

General Statistics

Total Number of Observations	12	Number of Distinct Observations	12
		Number of Missing Observations	37
Minimum	0.617	Mean	2.89
Maximum	8.32	Median	2.305
SD	2.46	Std. Error of Mean	0.71
Coefficient of Variation	0.851	Skewness	1.151

Normal GOF Test

Shapiro Wilk Test Statistic	0.86	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.805	Data appear Normal at 1% Significance Level	
Lilliefors Test Statistic	0.178	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.281	Data appear Normal at 1% Significance Level	

Data appear Normal at 1% Significance Level

Assuming Normal Distribution

95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	4.165	95% Adjusted-CLT UCL (Chen-1995)	4.31
		95% Modified-t UCL (Johnson-1978)	4.204

Gamma GOF Test

A-D Test Statistic	0.378	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.745	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.183	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.249	Detected data appear Gamma Distributed at 5% Significance Level	

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	1.572	k star (bias corrected MLE)	1.235
Theta hat (MLE)	1.838	Theta star (bias corrected MLE)	2.34
nu hat (MLE)	37.74	nu star (bias corrected)	29.64
MLE Mean (bias corrected)	2.89	MLE Sd (bias corrected)	2.6
		Approximate Chi Square Value (0.05)	18.21
Adjusted Level of Significance	0.029	Adjusted Chi Square Value	16.85

Assuming Gamma Distribution

95% Approximate Gamma UCL	4.703	95% Adjusted Gamma UCL	5.082

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.929	Shapiro Wilk Lognormal GOF Test	
10% Shapiro Wilk Critical Value	0.883	Data appear Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.182	Lilliefors Lognormal GOF Test	
10% Lilliefors Critical Value	0.223	Data appear Lognormal at 10% Significance Level	

Data appear Lognormal at 10% Significance Level

Lognormal Statistics

Minimum of Logged Data	-0.483	Mean of logged Data	0.711
Maximum of Logged Data	2.119	SD of logged Data	0.899

Assuming Lognormal Distribution

95% H-UCL	6.398	90% Chebyshev (MVUE) UCL	5.327
95% Chebyshev (MVUE) UCL	6.419	97.5% Chebyshev (MVUE) UCL	7.933
99% Chebyshev (MVUE) UCL	10.91		

Nonparametric Distribution Free UCL Statistics

Data appear to follow a Discernible Distribution

Nonparametric Distribution Free UCLs

95% CLT UCL	4.058	95% BCA Bootstrap UCL	4.227
95% Standard Bootstrap UCL	3.986	95% Bootstrap-t UCL	4.525
95% Hall's Bootstrap UCL	4.253	95% Percentile Bootstrap UCL	4.078
90% Chebyshev(Mean, Sd) UCL	5.02	95% Chebyshev(Mean, Sd) UCL	5.985
97.5% Chebyshev(Mean, Sd) UCL	7.324	99% Chebyshev(Mean, Sd) UCL	9.954

Suggested UCL to Use			
95% Student's-t UCL	4.165		

Perchlorate

General Statistics			
Total Number of Observations	30	Number of Distinct Observations	28
		Number of Missing Observations	19
Number of Detects	9	Number of Non-Detects	21
Number of Distinct Detects	9	Number of Distinct Non-Detects	19
Minimum Detect	5.35E-04	Minimum Non-Detect	4.72E-04
Maximum Detect	0.00247	Maximum Non-Detect	6.10E-04
Variance Detects	4.81E-07	Percent Non-Detects	70%
Mean Detects	0.00106	SD Detects	6.93E-04
Median Detects	6.23E-04	CV Detects	0.653
Skewness Detects	1.317	Kurtosis Detects	0.784
Mean of Logged Detects	-7.011	SD of Logged Detects	0.582
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.794	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.764	Detected Data appear Normal at 1% Significance Level	
Lilliefors Test Statistic	0.292	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.316	Detected Data appear Normal at 1% Significance Level	
Detected Data appear Normal at 1% Significance Level			
Note GOF tests may be unreliable for small sample sizes			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	6.52E-04	KM Standard Error of Mean	8.68E-05
90KM SD	4.48E-04	95% KM (BCA) UCL	8.03E-04
95% KM (t) UCL	7.99E-04	95% KM (Percentile Bootstrap) UCL	7.88E-04
95% KM (z) UCL	7.95E-04	95% KM Bootstrap t UCL	0.00101
90% KM Chebyshev UCL	9.12E-04	95% KM Chebyshev UCL	0.00103
97.5% KM Chebyshev UCL	0.00119	99% KM Chebyshev UCL	0.00152
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.742	Anderson-Darling GOF Test	
		Detected Data Not Gamma Distributed at 5% Significance	
5% A-D Critical Value	0.726	Level	
K-S Test Statistic	0.309	Kolmogorov-Smirnov GOF	
		Detected Data Not Gamma Distributed at 5% Significance	
5% K-S Critical Value	0.281	Level	
Detected Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	3.226	k star (bias corrected MLE)	2.225
Theta hat (MLE)	3.29E-04	Theta star (bias corrected MLE)	4.77E-04
nu hat (MLE)	58.07	nu star (bias corrected)	40.05
Mean (detects)	0.00106		
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)			
For such situations, GROS method may yield incorrect values of UCLs and BTVs			
This is especially true when the sample size is small.			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	5.35E-04	Mean	0.00732
Maximum	0.01	Median	0.01
SD	0.00418	CV	0.571
k hat (MLE)	1.364	k star (bias corrected MLE)	1.25
Theta hat (MLE)	0.00537	Theta star (bias corrected MLE)	0.00586
nu hat (MLE)	81.82	nu star (bias corrected)	74.97
Adjusted Level of Significance (β)	0.041		
Approximate Chi Square Value (74.97, α)	56.03	Adjusted Chi Square Value (74.97, β)	55.09
95% Gamma Approximate UCL	0.00979	95% Gamma Adjusted UCL	0.00996
Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	6.52E-04	SD (KM)	4.48E-04
Variance (KM)	2.01E-07	SE of Mean (KM)	8.68E-05
k hat (KM)	2.12	k star (KM)	1.93
nu hat (KM)	127.2	nu star (KM)	115.8
theta hat (KM)	3.08E-04	theta star (KM)	3.38E-04
80% gamma percentile (KM)	9.80E-04	90% gamma percentile (KM)	0.00128
95% gamma percentile (KM)	0.00156	99% gamma percentile (KM)	0.0022
Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (115.79, α)	91.94	Adjusted Chi Square Value (115.79, β)	90.72
95% KM Approximate Gamma UCL	8.21E-04	95% KM Adjusted Gamma UCL	8.32E-04
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.841	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.859	Detected Data Not Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.293	Lilliefors GOF Test	
10% Lilliefors Critical Value	0.252	Detected Data Not Lognormal at 10% Significance Level	

Detected Data Not Lognormal at 10% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	4.26E-04	Mean in Log Scale	-8.26
SD in Original Scale	5.59E-04	SD in Log Scale	0.901
95% t UCL (assumes normality of ROS data)	6.00E-04	95% Percentile Bootstrap UCL	6.01E-04
95% BCA Bootstrap UCL	6.53E-04	95% Bootstrap t UCL	7.33E-04
95% H-UCL (Log ROS)	5.76E-04		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-7.458	KM Geo Mean	5.77E-04
KM SD (logged)	0.421	95% Critical H Value (KM-Log)	1.889
KM Standard Error of Mean (logged)	0.0817	95% H-UCL (KM -Log)	7.30E-04
KM SD (logged)	0.421	95% Critical H Value (KM-Log)	1.889
KM Standard Error of Mean (logged)	0.0817		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	5.02E-04	Mean in Log Scale	-7.877
SD in Original Scale	5.21E-04	SD in Log Scale	0.656
95% t UCL (Assumes normality)	6.64E-04	95% H-Stat UCL	6.07E-04

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Normal Distributed at 1% Significance Level

Suggested UCL to Use

95% KM (t) UCL	7.99E-04

Selenium

General Statistics

Total Number of Observations	46	Number of Distinct Observations	41
		Number of Missing Observations	3
Number of Detects	31	Number of Non-Detects	15
Number of Distinct Detects	30	Number of Distinct Non-Detects	12
Minimum Detect	0.508	Minimum Non-Detect	0.32
Maximum Detect	2.03	Maximum Non-Detect	0.59
Variance Detects	0.167	Percent Non-Detects	32.61%
Mean Detects	1.003	SD Detects	0.408
Median Detects	0.902	CV Detects	0.407
Skewness Detects	1.097	Kurtosis Detects	0.536
Mean of Logged Detects	-0.0687	SD of Logged Detects	0.378

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.889	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.902	Detected Data Not Normal at 1% Significance Level	
Lilliefors Test Statistic	0.162	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.182	Detected Data appear Normal at 1% Significance Level	

Detected Data appear Approximate Normal at 1% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	0.787	KM Standard Error of Mean	0.0684
90KM SD	0.454	95% KM (BCA) UCL	0.906
95% KM (t) UCL	0.902	95% KM (Percentile Bootstrap) UCL	0.9
95% KM (z) UCL	0.9	95% KM Bootstrap t UCL	0.911
90% KM Chebyshev UCL	0.993	95% KM Chebyshev UCL	1.086
97.5% KM Chebyshev UCL	1.215	99% KM Chebyshev UCL	1.468

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.535	Anderson-Darling GOF Test	
5% A-D Critical Value	0.747	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.111	Kolmogorov-Smirnov GOF	
5% K-S Critical Value	0.158	Detected data appear Gamma Distributed at 5% Significance Level	

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	7.109	k star (bias corrected MLE)	6.443
Theta hat (MLE)	0.141	Theta star (bias corrected MLE)	0.156
nu hat (MLE)	440.8	nu star (bias corrected)	399.4
Mean (detects)	1.003		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.14	Mean	0.751
Maximum	2.03	Median	0.692
SD	0.497	CV	0.662
k hat (MLE)	2.124	k star (bias corrected MLE)	2
Theta hat (MLE)	0.353	Theta star (bias corrected MLE)	0.375
nu hat (MLE)	195.4	nu star (bias corrected)	184
Adjusted Level of Significance (β)	0.0448		

Approximate Chi Square Value (184.00, α)	153.6	Adjusted Chi Square Value (184.00, β)	152.7
95% Gamma Approximate UCL	0.899	95% Gamma Adjusted UCL	0.904
Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	0.787	SD (KM)	0.454
Variance (KM)	0.206	SE of Mean (KM)	0.0684
k hat (KM)	3.005	k star (KM)	2.823
nu hat (KM)	276.4	nu star (KM)	259.7
theta hat (KM)	0.262	theta star (KM)	0.279
80% gamma percentile (KM)	1.131	90% gamma percentile (KM)	1.415
95% gamma percentile (KM)	1.682	99% gamma percentile (KM)	2.26
Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (259.74, α)	223.4	Adjusted Chi Square Value (259.74, β)	222.3
95% KM Approximate Gamma UCL	0.915	95% KM Adjusted Gamma UCL	0.92
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.959	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.94	Detected Data appear Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.103	Lilliefors GOF Test	
10% Lilliefors Critical Value	0.143	Detected Data appear Lognormal at 10% Significance Level	
Detected Data appear Lognormal at 10% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	0.804	Mean in Log Scale	-0.354
SD in Original Scale	0.443	SD in Log Scale	0.52
95% t UCL (assumes normality of ROS data)	0.913	95% Percentile Bootstrap UCL	0.912
95% BCA Bootstrap UCL	0.918	95% Bootstrap t UCL	0.925
95% H-UCL (Log ROS)	0.931		
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean (logged)	-0.401	KM Geo Mean	0.67
KM SD (logged)	0.573	95% Critical H Value (KM-Log)	1.936
KM Standard Error of Mean (logged)	0.0876	95% H-UCL (KM -Log)	0.931
KM SD (logged)	0.573	95% Critical H Value (KM-Log)	1.936
KM Standard Error of Mean (logged)	0.0876		
DL/2 Statistics			
DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.752	Mean in Log Scale	-0.532
SD in Original Scale	0.496	SD in Log Scale	0.752
95% t UCL (Assumes normality)	0.874	95% H-Stat UCL	0.985
DL/2 is not a recommended method, provided for comparisons and historical reasons			
Nonparametric Distribution Free UCL Statistics			
Detected Data appear Approximate Normal Distributed at 1% Significance Level			
Suggested UCL to Use			
95% KM (t) UCL	0.902		

Silver

General Statistics			
Total Number of Observations	46	Number of Distinct Observations	43
		Number of Missing Observations	3
Number of Detects	34	Number of Non-Detects	12
Number of Distinct Detects	34	Number of Distinct Non-Detects	9
Minimum Detect	0.164	Minimum Non-Detect	0.0894
Maximum Detect	7.95	Maximum Non-Detect	0.112
Variance Detects	3.357	Percent Non-Detects	26.09%
Mean Detects	1.473	SD Detects	1.832
Median Detects	0.739	CV Detects	1.244
Skewness Detects	2.218	Kurtosis Detects	4.746
Mean of Logged Detects	-0.169	SD of Logged Detects	1.029
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.69	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.908	Detected Data Not Normal at 1% Significance Level	
Lilliefors Test Statistic	0.256	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.175	Detected Data Not Normal at 1% Significance Level	
Detected Data Not Normal at 1% Significance Level			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	1.112	KM Standard Error of Mean	0.249
90KM SD	1.667	95% KM (BCA) UCL	1.585
95% KM (t) UCL	1.531	95% KM (Percentile Bootstrap) UCL	1.556
95% KM (z) UCL	1.522	95% KM Bootstrap t UCL	1.732
90% KM Chebyshev UCL	1.86	95% KM Chebyshev UCL	2.199
97.5% KM Chebyshev UCL	2.669	99% KM Chebyshev UCL	3.593
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	1.256	Anderson-Darling GOF Test	
		Detected Data Not Gamma Distributed at 5% Significance	
5% A-D Critical Value	0.775	Level	
K-S Test Statistic	0.157	Kolmogorov-Smirnov GOF	

		Detected Data Not Gamma Distributed at 5% Significance	
5% K-S Critical Value	0.155	Level	
Detected Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	1.034	k star (bias corrected MLE)	0.963
Theta hat (MLE)	1.424	Theta star (bias corrected MLE)	1.53
nu hat (MLE)	70.33	nu star (bias corrected)	65.46
Mean (detects)	1.473		
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)			
For such situations, GROS method may yield incorrect values of UCLs and BTVs			
This is especially true when the sample size is small.			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	1.091
Maximum	7.95	Median	0.445
SD	1.698	CV	1.556
k hat (MLE)	0.456	k star (bias corrected MLE)	0.441
Theta hat (MLE)	2.393	Theta star (bias corrected MLE)	2.476
nu hat (MLE)	41.95	nu star (bias corrected)	40.55
Adjusted Level of Significance (β)	0.0448		
Approximate Chi Square Value (40.55, α)	26.95	Adjusted Chi Square Value (40.55, β)	26.59
95% Gamma Approximate UCL	1.641	95% Gamma Adjusted UCL	1.663
Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	1.112	SD (KM)	1.667
Variance (KM)	2.777	SE of Mean (KM)	0.249
k hat (KM)	0.445	k star (KM)	0.43
nu hat (KM)	40.94	nu star (KM)	39.61
theta hat (KM)	2.498	theta star (KM)	2.583
80% gamma percentile (KM)	1.808	90% gamma percentile (KM)	3.098
95% gamma percentile (KM)	4.503	99% gamma percentile (KM)	8.007
Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (39.61, α)	26.19	Adjusted Chi Square Value (39.61, β)	25.83
95% KM Approximate Gamma UCL	1.681	95% KM Adjusted Gamma UCL	1.704
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.954	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.943	Detected Data appear Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.088	Lilliefors GOF Test	
10% Lilliefors Critical Value	0.137	Detected Data appear Lognormal at 10% Significance Level	
Detected Data appear Lognormal at 10% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	1.11	Mean in Log Scale	-0.784
SD in Original Scale	1.686	SD in Log Scale	1.374
95% t UCL (assumes normality of ROS data)	1.527	95% Percentile Bootstrap UCL	1.53
95% BCA Bootstrap UCL	1.614	95% Bootstrap t UCL	1.69
95% H-UCL (Log ROS)	2.064		
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean (logged)	-0.755	KM Geo Mean	0.47
KM SD (logged)	1.316	95% Critical H Value (KM-Log)	2.686
KM Standard Error of Mean (logged)	0.197	95% H-UCL (KM -Log)	1.894
KM SD (logged)	1.316	95% Critical H Value (KM-Log)	2.686
KM Standard Error of Mean (logged)	0.197		
DL/2 Statistics			
DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	1.102	Mean in Log Scale	-0.902
SD in Original Scale	1.691	SD in Log Scale	1.528
95% t UCL (Assumes normality)	1.521	95% H-Stat UCL	2.553
DL/2 is not a recommended method, provided for comparisons and historical reasons			
Nonparametric Distribution Free UCL Statistics			
Detected Data appear Lognormal Distributed at 10% Significance Level			
Suggested UCL to Use			
KM H-UCL	1.894		

Zinc

General Statistics			
Total Number of Observations	36	Number of Distinct Observations	33
		Number of Missing Observations	13
Minimum	20.1	Mean	49.86
Maximum	248	Median	38.8
SD	41.57	Std. Error of Mean	6.929
Coefficient of Variation	0.834	Skewness	3.714
Normal GOF Test			
Shapiro Wilk Test Statistic	0.57	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.912	Data Not Normal at 1% Significance Level	

Lilliefors Test Statistic	0.272	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.17	Data Not Normal at 1% Significance Level	
Data Not Normal at 1% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	61.56	95% Adjusted-CLT UCL (Chen-1995)	65.84
		95% Modified-t UCL (Johnson-1978)	62.28
Gamma GOF Test			
A-D Test Statistic	2.045	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.754	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.194	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.148	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	3.127	k star (bias corrected MLE)	2.885
Theta hat (MLE)	15.94	Theta star (bias corrected MLE)	17.28
nu hat (MLE)	225.2	nu star (bias corrected)	207.7
MLE Mean (bias corrected)	49.86	MLE Sd (bias corrected)	29.35
		Approximate Chi Square Value (0.05)	175.4
Adjusted Level of Significance	0.0428	Adjusted Chi Square Value	174
Assuming Gamma Distribution			
95% Approximate Gamma UCL	59.05	95% Adjusted Gamma UCL	59.51
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.888	Shapiro Wilk Lognormal GOF Test	
		Data Not Lognormal at 10% Significance	
10% Shapiro Wilk Critical Value	0.945	Level	
Lilliefors Test Statistic	0.14	Lilliefors Lognormal GOF Test	
		Data Not Lognormal at 10% Significance	
10% Lilliefors Critical Value	0.134	Level	
Data Not Lognormal at 10% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	3.001	Mean of logged Data	3.741
Maximum of Logged Data	5.513	SD of logged Data	0.514
Assuming Lognormal Distribution			
95% H-UCL	56.83	90% Chebyshev (MVUE) UCL	60.81
95% Chebyshev (MVUE) UCL	66.66	97.5% Chebyshev (MVUE) UCL	74.79
99% Chebyshev (MVUE) UCL	90.74		
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution			
Nonparametric Distribution Free UCLs			
95% CLT UCL	61.25	95% BCA Bootstrap UCL	65.7
95% Standard Bootstrap UCL	61.15	95% Bootstrap-t UCL	78.63
95% Hall's Bootstrap UCL	117.4	95% Percentile Bootstrap UCL	61.94
90% Chebyshev(Mean, Sd) UCL	70.64	95% Chebyshev(Mean, Sd) UCL	80.06
97.5% Chebyshev(Mean, Sd) UCL	93.13	99% Chebyshev(Mean, Sd) UCL	118.8
Suggested UCL to Use			
95% Student's-t UCL	61.56		

Benzoic Acid

General Statistics			
Total Number of Observations	30	Number of Distinct Observations	25
		Number of Missing Observations	19
Number of Detects	8	Number of Non-Detects	22
Number of Distinct Detects	8	Number of Distinct Non-Detects	17
Minimum Detect	0.228	Minimum Non-Detect	0.164
Maximum Detect	0.538	Maximum Non-Detect	0.841
Variance Detects	0.023	Percent Non-Detects	73.33%
Mean Detects	0.379	SD Detects	0.152
Median Detects	0.372	CV Detects	0.401
Skewness Detects	0.0252	Kurtosis Detects	-2.688
Mean of Logged Detects	-1.047	SD of Logged Detects	0.421
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.745	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.749	Detected Data Not Normal at 1% Significance Level	
Lilliefors Test Statistic	0.283	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.333	Detected Data appear Normal at 1% Significance Level	
Detected Data appear Approximate Normal at 1% Significance Level			
Note GOF tests may be unreliable for small sample sizes			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	0.225	KM Standard Error of Mean	0.0242
90KM SD	0.121	95% KM (BCA) UCL	0.265
95% KM (t) UCL	0.266	95% KM (Percentile Bootstrap) UCL	0.266
95% KM (z) UCL	0.265	95% KM Bootstrap t UCL	0.278

90% KM Chebyshev UCL	0.298	95% KM Chebyshev UCL	0.33
97.5% KM Chebyshev UCL	0.376	99% KM Chebyshev UCL	0.465

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	1.054	Anderson-Darling GOF Test	
		Detected Data Not Gamma Distributed at 5% Significance	
5% A-D Critical Value	0.718	Level	
K-S Test Statistic	0.285	Kolmogorov-Smirnov GOF	
5% K-S Critical Value	0.295	Detected data appear Gamma Distributed at 5% Significance Level	

Detected data follow Appr. Gamma Distribution at 5% Significance Level

Note GOF tests may be unreliable for small sample sizes

Gamma Statistics on Detected Data Only

k hat (MLE)	6.779	k star (bias corrected MLE)	4.32
Theta hat (MLE)	0.0558	Theta star (bias corrected MLE)	0.0876
nu hat (MLE)	108.5	nu star (bias corrected)	69.12
Mean (detects)	0.379		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.12
Maximum	0.538	Median	0.0345
SD	0.176	CV	1.466
k hat (MLE)	0.574	k star (bias corrected MLE)	0.539
Theta hat (MLE)	0.21	Theta star (bias corrected MLE)	0.223
nu hat (MLE)	34.45	nu star (bias corrected)	32.34
Adjusted Level of Significance (β)	0.041		
Approximate Chi Square Value (32.34, α)	20.34	Adjusted Chi Square Value (32.34, β)	19.79
95% Gamma Approximate UCL	0.191	95% Gamma Adjusted UCL	0.197

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.225	SD (KM)	0.121
Variance (KM)	0.0147	SE of Mean (KM)	0.0242
k hat (KM)	3.457	k star (KM)	3.134
nu hat (KM)	207.4	nu star (KM)	188
theta hat (KM)	0.0651	theta star (KM)	0.0718
80% gamma percentile (KM)	0.319	90% gamma percentile (KM)	0.396
95% gamma percentile (KM)	0.467	99% gamma percentile (KM)	0.62

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (188.03, α)	157.3	Adjusted Chi Square Value (188.03, β)	155.7
95% KM Approximate Gamma UCL	0.269	95% KM Adjusted Gamma UCL	0.272

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.744	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.851	Detected Data Not Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.276	Lilliefors GOF Test	
10% Lilliefors Critical Value	0.265	Detected Data Not Lognormal at 10% Significance Level	

Detected Data Not Lognormal at 10% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.175	Mean in Log Scale	-1.974
SD in Original Scale	0.146	SD in Log Scale	0.635
95% t UCL (assumes normality of ROS data)	0.221	95% Percentile Bootstrap UCL	0.221
95% BCA Bootstrap UCL	0.23	95% Bootstrap t UCL	0.24
95% H-UCL (Log ROS)	0.217		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-1.588	KM Geo Mean	0.204
KM SD (logged)	0.397	95% Critical H Value (KM-Log)	1.872
KM Standard Error of Mean (logged)	0.0798	95% H-UCL (KM -Log)	0.254
KM SD (logged)	0.397	95% Critical H Value (KM-Log)	1.872
KM Standard Error of Mean (logged)	0.0798		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.193	Mean in Log Scale	-1.897
SD in Original Scale	0.153	SD in Log Scale	0.685
95% t UCL (Assumes normality)	0.24	95% H-Stat UCL	0.249

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Normal Distributed at 1% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.266

Bis(2-ethylhexyl)phthalate

General Statistics

Total Number of Observations	30	Number of Distinct Observations	28
		Number of Missing Observations	19

Number of Detects	17	Number of Non-Detects	13
Number of Distinct Detects	17	Number of Distinct Non-Detects	12
Minimum Detect	0.0125	Minimum Non-Detect	0.00984
Maximum Detect	3.83	Maximum Non-Detect	0.106
Variance Detects	1.186	Percent Non-Detects	43.33%
Mean Detects	0.441	SD Detects	1.089
Median Detects	0.0263	CV Detects	2.47
Skewness Detects	2.723	Kurtosis Detects	6.627
Mean of Logged Detects	-2.938	SD of Logged Detects	1.819
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.454	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.851	Detected Data Not Normal at 1% Significance Level	
Lilliefors Test Statistic	0.429	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.241	Detected Data Not Normal at 1% Significance Level	
Detected Data Not Normal at 1% Significance Level			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	0.256	KM Standard Error of Mean	0.155
90KM SD	0.823	95% KM (BCA) UCL	0.553
95% KM (t) UCL	0.519	95% KM (Percentile Bootstrap) UCL	0.529
95% KM (z) UCL	0.51	95% KM Bootstrap t UCL	2.404
90% KM Chebyshev UCL	0.72	95% KM Chebyshev UCL	0.931
97.5% KM Chebyshev UCL	1.223	99% KM Chebyshev UCL	1.797
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	2.864	Anderson-Darling GOF Test	
		Detected Data Not Gamma Distributed at 5% Significance	
5% A-D Critical Value	0.837	Level	
K-S Test Statistic	0.382	Kolmogorov-Smirnov GOF	
		Detected Data Not Gamma Distributed at 5% Significance	
5% K-S Critical Value	0.226	Level	
Detected Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	0.322	k star (bias corrected MLE)	0.304
Theta hat (MLE)	1.371	Theta star (bias corrected MLE)	1.45
nu hat (MLE)	10.94	nu star (bias corrected)	10.34
Mean (detects)	0.441		
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)			
For such situations, GROS method may yield incorrect values of UCLs and BTVs			
This is especially true when the sample size is small.			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	0.254
Maximum	3.83	Median	0.0133
SD	0.838	CV	3.295
k hat (MLE)	0.301	k star (bias corrected MLE)	0.293
Theta hat (MLE)	0.845	Theta star (bias corrected MLE)	0.868
nu hat (MLE)	18.05	nu star (bias corrected)	17.58
Adjusted Level of Significance (β)	0.041		
Approximate Chi Square Value (17.58, α)	9.088	Adjusted Chi Square Value (17.58, β)	8.736
95% Gamma Approximate UCL	0.492	95% Gamma Adjusted UCL	0.512
Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	0.256	SD (KM)	0.823
Variance (KM)	0.677	SE of Mean (KM)	0.155
k hat (KM)	0.0965	k star (KM)	0.109
nu hat (KM)	5.788	nu star (KM)	6.543
theta hat (KM)	2.65	theta star (KM)	2.344
80% gamma percentile (KM)	0.2	90% gamma percentile (KM)	0.703
95% gamma percentile (KM)	1.474	99% gamma percentile (KM)	3.887
Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (6.54, α)	1.923	Adjusted Chi Square Value (6.54, β)	1.783
95% KM Approximate Gamma UCL	0.87	95% KM Adjusted Gamma UCL	0.938
95% KM Adjusted Gamma UCL (use when k<=1 and 15 < n < 50)			
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.756	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.91	Detected Data Not Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.276	Lilliefors GOF Test	
10% Lilliefors Critical Value	0.19	Detected Data Not Lognormal at 10% Significance Level	
Detected Data Not Lognormal at 10% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	0.252	Mean in Log Scale	-4.291
SD in Original Scale	0.838	SD in Log Scale	2.19
95% t UCL (assumes normality of ROS data)	0.512	95% Percentile Bootstrap UCL	0.527
95% BCA Bootstrap UCL	0.625	95% Bootstrap t UCL	4.055

95% H-UCL (Log ROS)	0.845		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-3.585	KM Geo Mean	0.0277
KM SD (logged)	1.544	95% Critical H Value (KM-Log)	3.231
KM Standard Error of Mean (logged)	0.294	95% H-UCL (KM -Log)	0.231
KM SD (logged)	1.544	95% Critical H Value (KM-Log)	3.231
KM Standard Error of Mean (logged)	0.294		

Note: KM UCLs may be biased low with this dataset. Other substitution method recommended

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.259	Mean in Log Scale	-3.573
SD in Original Scale	0.836	SD in Log Scale	1.69
95% t UCL (Assumes normality)	0.518	95% H-Stat UCL	0.345

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution

Suggested UCL to Use

95% KM (t) UCL	0.519

HMX

General Statistics

Total Number of Observations	36	Number of Distinct Observations	18
		Number of Missing Observations	13
Number of Detects	8	Number of Non-Detects	28
Number of Distinct Detects	8	Number of Distinct Non-Detects	10
Minimum Detect	2.06	Minimum Non-Detect	0.139
Maximum Detect	3.67	Maximum Non-Detect	0.15
Variance Detects	0.283	Percent Non-Detects	77.78%
Mean Detects	2.905	SD Detects	0.532
Median Detects	2.88	CV Detects	0.183
Skewness Detects	-0.115	Kurtosis Detects	-0.711
Mean of Logged Detects	1.051	SD of Logged Detects	0.189

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.977	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.749	Detected Data appear Normal at 1% Significance Level	
Lilliefors Test Statistic	0.14	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.333	Detected Data appear Normal at 1% Significance Level	

Detected Data appear Normal at 1% Significance Level

Note GOF tests may be unreliable for small sample sizes

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	0.754	KM Standard Error of Mean	0.209
90KM SD	1.174	95% KM (BCA) UCL	1.08
95% KM (t) UCL	1.107	95% KM (Percentile Bootstrap) UCL	1.08
95% KM (z) UCL	1.098	95% KM Bootstrap t UCL	1.08
90% KM Chebyshev UCL	1.381	95% KM Chebyshev UCL	1.665
97.5% KM Chebyshev UCL	2.06	99% KM Chebyshev UCL	2.834

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.195	Anderson-Darling GOF Test	
5% A-D Critical Value	0.716	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.159	Kolmogorov-Smirnov GOF	
5% K-S Critical Value	0.294	Detected data appear Gamma Distributed at 5% Significance Level	

Detected data appear Gamma Distributed at 5% Significance Level

Note GOF tests may be unreliable for small sample sizes

Gamma Statistics on Detected Data Only

k hat (MLE)	32.83	k star (bias corrected MLE)	20.6
Theta hat (MLE)	0.0885	Theta star (bias corrected MLE)	0.141
nu hat (MLE)	525.3	nu star (bias corrected)	329.6
Mean (detects)	2.905		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	1.382
Maximum	3.67	Median	1.216
SD	0.972	CV	0.703
k hat (MLE)	1.317	k star (bias corrected MLE)	1.226
Theta hat (MLE)	1.05	Theta star (bias corrected MLE)	1.128
nu hat (MLE)	94.81	nu star (bias corrected)	88.24
Adjusted Level of Significance (β)	0.0428		
Approximate Chi Square Value (88.24, α)	67.58	Adjusted Chi Square Value (88.24, β)	66.76
95% Gamma Approximate UCL	1.805	95% Gamma Adjusted UCL	1.827

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.754	SD (KM)	1.174
Variance (KM)	1.377	SE of Mean (KM)	0.209
k hat (KM)	0.412	k star (KM)	0.397
nu hat (KM)	29.69	nu star (KM)	28.55
theta hat (KM)	1.828	theta star (KM)	1.901
80% gamma percentile (KM)	1.215	90% gamma percentile (KM)	2.132
95% gamma percentile (KM)	3.141	99% gamma percentile (KM)	5.68

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (28.55, α)	17.36	Adjusted Chi Square Value (28.55, β)	16.96
95% KM Approximate Gamma UCL	1.24	95% KM Adjusted Gamma UCL	1.269

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.968	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.851	Detected Data appear Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.145	Lilliefors GOF Test	
10% Lilliefors Critical Value	0.265	Detected Data appear Lognormal at 10% Significance Level	

Detected Data appear Lognormal at 10% Significance Level

Note GOF tests may be unreliable for small sample sizes

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	1.713	Mean in Log Scale	0.461
SD in Original Scale	0.738	SD in Log Scale	0.386
95% t UCL (assumes normality of ROS data)	1.921	95% Percentile Bootstrap UCL	1.919
95% BCA Bootstrap UCL	1.945	95% Bootstrap t UCL	1.962
95% H-UCL (Log ROS)	1.926		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-1.301	KM Geo Mean	0.272
KM SD (logged)	1.26	95% Critical H Value (KM-Log)	2.695
KM Standard Error of Mean (logged)	0.225	95% H-UCL (KM -Log)	1.069
KM SD (logged)	1.26	95% Critical H Value (KM-Log)	2.695
KM Standard Error of Mean (logged)	0.225		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.702	Mean in Log Scale	-1.8
SD in Original Scale	1.217	SD in Log Scale	1.548
95% t UCL (Assumes normality)	1.045	95% H-Stat UCL	1.224

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Normal Distributed at 1% Significance Level

Suggested UCL to Use

95% KM (t) UCL	1.107

RDX

General Statistics

Total Number of Observations	36	Number of Distinct Observations	22
		Number of Missing Observations	13
Number of Detects	13	Number of Non-Detects	23
Number of Distinct Detects	13	Number of Distinct Non-Detects	9
Minimum Detect	0.223	Minimum Non-Detect	0.139
Maximum Detect	21.6	Maximum Non-Detect	0.15
Variance Detects	44.13	Percent Non-Detects	63.89%
Mean Detects	6.486	SD Detects	6.643
Median Detects	6.04	CV Detects	1.024
Skewness Detects	1.053	Kurtosis Detects	0.715
Mean of Logged Detects	0.961	SD of Logged Detects	1.712

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.865	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.814	Detected Data appear Normal at 1% Significance Level	
Lilliefors Test Statistic	0.199	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.271	Detected Data appear Normal at 1% Significance Level	

Detected Data appear Normal at 1% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	2.431	KM Standard Error of Mean	0.85
90KM SD	4.899	95% KM (BCA) UCL	3.895
95% KM (t) UCL	3.867	95% KM (Percentile Bootstrap) UCL	3.871
95% KM (z) UCL	3.829	95% KM Bootstrap t UCL	4.562
90% KM Chebyshev UCL	4.981	95% KM Chebyshev UCL	6.136
97.5% KM Chebyshev UCL	7.739	99% KM Chebyshev UCL	10.89

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.736	Anderson-Darling GOF Test	
5% A-D Critical Value	0.777	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.234	Kolmogorov-Smirnov GOF	
5% K-S Critical Value	0.247	Detected data appear Gamma Distributed at 5% Significance Level	

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.669	k star (bias corrected MLE)	0.566

Theta hat (MLE)	9.69	Theta star (bias corrected MLE)	11.46
nu hat (MLE)	17.4	nu star (bias corrected)	14.72
Mean (detects)	6.486		

Gamma ROS Statistics using Imputed Non-Detects
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)
For such situations, GROS method may yield incorrect values of UCLs and BTVs
This is especially true when the sample size is small.
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	2.349
Maximum	21.6	Median	0.01
SD	5.008	CV	2.132
k hat (MLE)	0.212	k star (bias corrected MLE)	0.212
Theta hat (MLE)	11.1	Theta star (bias corrected MLE)	11.06
nu hat (MLE)	15.23	nu star (bias corrected)	15.29
Adjusted Level of Significance (β)	0.0428		
Approximate Chi Square Value (15.29, α)	7.466	Adjusted Chi Square Value (15.29, β)	7.217
95% Gamma Approximate UCL	4.811	95% Gamma Adjusted UCL	4.976

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	2.431	SD (KM)	4.899
Variance (KM)	24	SE of Mean (KM)	0.85
k hat (KM)	0.246	k star (KM)	0.244
nu hat (KM)	17.73	nu star (KM)	17.58
theta hat (KM)	9.874	theta star (KM)	9.955
80% gamma percentile (KM)	3.501	90% gamma percentile (KM)	7.308
95% gamma percentile (KM)	11.85	99% gamma percentile (KM)	23.98

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (17.58, α)	9.09	Adjusted Chi Square Value (17.58, β)	8.812
95% KM Approximate Gamma UCL	4.702	95% KM Adjusted Gamma UCL	4.85

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.843	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.889	Detected Data Not Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.288	Lilliefors GOF Test	
10% Lilliefors Critical Value	0.215	Detected Data Not Lognormal at 10% Significance Level	

Detected Data Not Lognormal at 10% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	2.365	Mean in Log Scale	-2.229
SD in Original Scale	5	SD in Log Scale	2.841
95% t UCL (assumes normality of ROS data)	3.773	95% Percentile Bootstrap UCL	3.784
95% BCA Bootstrap UCL	4.023	95% Bootstrap t UCL	4.431
95% H-UCL (Log ROS)	66.74		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-0.914	KM Geo Mean	0.401
KM SD (logged)	1.721	95% Critical H Value (KM-Log)	3.314
KM Standard Error of Mean (logged)	0.299	95% H-UCL (KM -Log)	4.63
KM SD (logged)	1.721	95% Critical H Value (KM-Log)	3.314
KM Standard Error of Mean (logged)	0.299		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	2.389	Mean in Log Scale	-1.324
SD in Original Scale	4.989	SD in Log Scale	2.01
95% t UCL (Assumes normality)	3.794	95% H-Stat UCL	7.124

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics
Detected Data appear Normal Distributed at 1% Significance Level

Suggested UCL to Use

95% KM (t) UCL	3.867

TATB

General Statistics

Total Number of Observations	36	Number of Distinct Observations	26
		Number of Missing Observations	13
Number of Detects	16	Number of Non-Detects	20
Number of Distinct Detects	16	Number of Distinct Non-Detects	10
Minimum Detect	0.292	Minimum Non-Detect	0.278
Maximum Detect	11.6	Maximum Non-Detect	0.302
Variance Detects	8.41	Percent Non-Detects	55.56%
Mean Detects	2.113	SD Detects	2.9
Median Detects	1.027	CV Detects	1.373
Skewness Detects	2.653	Kurtosis Detects	7.89
Mean of Logged Detects	0.136	SD of Logged Detects	1.085

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.644	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.844	Detected Data Not Normal at 1% Significance Level	

Lilliefors Test Statistic	0.299	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.248	Detected Data Not Normal at 1% Significance Level	
Detected Data Not Normal at 1% Significance Level			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	1.094	KM Standard Error of Mean	0.358
90KM SD	2.082	95% KM (BCA) UCL	1.735
95% KM (t) UCL	1.699	95% KM (Percentile Bootstrap) UCL	1.71
95% KM (z) UCL	1.683	95% KM Bootstrap t UCL	2.481
90% KM Chebyshev UCL	2.169	95% KM Chebyshev UCL	2.656
97.5% KM Chebyshev UCL	3.332	99% KM Chebyshev UCL	4.659
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.792	Anderson-Darling GOF Test	
		Detected Data Not Gamma Distributed at 5% Significance	
5% A-D Critical Value	0.766	Level	
K-S Test Statistic	0.222	Kolmogorov-Smirnov GOF	
		Detected Data Not Gamma Distributed at 5% Significance	
5% K-S Critical Value	0.222	Level	
Detected Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	0.95	k star (bias corrected MLE)	0.813
Theta hat (MLE)	2.224	Theta star (bias corrected MLE)	2.597
nu hat (MLE)	30.4	nu star (bias corrected)	26.03
Mean (detects)	2.113		
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)			
For such situations, GROS method may yield incorrect values of UCLs and BTVs			
This is especially true when the sample size is small.			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	0.944
Maximum	11.6	Median	0.01
SD	2.174	CV	2.302
k hat (MLE)	0.285	k star (bias corrected MLE)	0.28
Theta hat (MLE)	3.315	Theta star (bias corrected MLE)	3.377
nu hat (MLE)	20.51	nu star (bias corrected)	20.14
Adjusted Level of Significance (β)	0.0428		
Approximate Chi Square Value (20.14, α)	10.95	Adjusted Chi Square Value (20.14, β)	10.64
95% Gamma Approximate UCL	1.736	95% Gamma Adjusted UCL	1.787
Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	1.094	SD (KM)	2.082
Variance (KM)	4.334	SE of Mean (KM)	0.358
k hat (KM)	0.276	k star (KM)	0.271
nu hat (KM)	19.87	nu star (KM)	19.55
theta hat (KM)	3.963	theta star (KM)	4.028
80% gamma percentile (KM)	1.632	90% gamma percentile (KM)	3.261
95% gamma percentile (KM)	5.163	99% gamma percentile (KM)	10.17
Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (19.55, α)	10.52	Adjusted Chi Square Value (19.55, β)	10.22
95% KM Approximate Gamma UCL	2.033	95% KM Adjusted Gamma UCL	2.093
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.933	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.906	Detected Data appear Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.144	Lilliefors GOF Test	
10% Lilliefors Critical Value	0.196	Detected Data appear Lognormal at 10% Significance Level	
Detected Data appear Lognormal at 10% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	0.975	Mean in Log Scale	-1.586
SD in Original Scale	2.161	SD in Log Scale	1.794
95% t UCL (assumes normality of ROS data)	1.583	95% Percentile Bootstrap UCL	1.597
95% BCA Bootstrap UCL	1.759	95% Bootstrap t UCL	2.27
95% H-UCL (Log ROS)	2.884		
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean (logged)	-0.649	KM Geo Mean	0.522
KM SD (logged)	0.992	95% Critical H Value (KM-Log)	2.374
KM Standard Error of Mean (logged)	0.171	95% H-UCL (KM -Log)	1.273
KM SD (logged)	0.992	95% Critical H Value (KM-Log)	2.374
KM Standard Error of Mean (logged)	0.171		
DL/2 Statistics			
DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	1.02	Mean in Log Scale	-1.009
SD in Original Scale	2.142	SD in Log Scale	1.259
95% t UCL (Assumes normality)	1.623	95% H-Stat UCL	1.428
DL/2 is not a recommended method, provided for comparisons and historical reasons			

Nonparametric Distribution Free UCL Statistics
Detected Data appear Lognormal Distributed at 10% Significance Level

Suggested UCL to Use

KM H-UCL	1.273

TPH DRO

General Statistics

Total Number of Observations	25	Number of Distinct Observations	25
		Number of Missing Observations	24
Number of Detects	21	Number of Non-Detects	4
Number of Distinct Detects	21	Number of Distinct Non-Detects	4
Minimum Detect	2.27	Minimum Non-Detect	2.16
Maximum Detect	135	Maximum Non-Detect	21.5
Variance Detects	817.2	Percent Non-Detects	16%
Mean Detects	13.17	SD Detects	28.59
Median Detects	5.09	CV Detects	2.171
Skewness Detects	4.264	Kurtosis Detects	18.79
Mean of Logged Detects	1.886	SD of Logged Detects	0.914

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.365	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.873	Detected Data Not Normal at 1% Significance Level	
Lilliefors Test Statistic	0.388	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.219	Detected Data Not Normal at 1% Significance Level	

Detected Data Not Normal at 1% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	11.54	KM Standard Error of Mean	5.3
90KM SD	25.85	95% KM (BCA) UCL	21.74
95% KM (t) UCL	20.61	95% KM (Percentile Bootstrap) UCL	21.56
95% KM (z) UCL	20.26	95% KM Bootstrap t UCL	67.66
90% KM Chebyshev UCL	27.44	95% KM Chebyshev UCL	34.64
97.5% KM Chebyshev UCL	44.64	99% KM Chebyshev UCL	64.27

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	2.939	Anderson-Darling GOF Test	
		Detected Data Not Gamma Distributed at 5% Significance	
5% A-D Critical Value	0.777	Level	
K-S Test Statistic	0.309	Kolmogorov-Smirnov GOF	
		Detected Data Not Gamma Distributed at 5% Significance	
5% K-S Critical Value	0.196	Level	

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.852	k star (bias corrected MLE)	0.762
Theta hat (MLE)	15.46	Theta star (bias corrected MLE)	17.29
nu hat (MLE)	35.77	nu star (bias corrected)	31.99
Mean (detects)	13.17		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	11.11
Maximum	135	Median	4.7
SD	26.54	CV	2.389
k hat (MLE)	0.468	k star (bias corrected MLE)	0.439
Theta hat (MLE)	23.73	Theta star (bias corrected MLE)	25.33
nu hat (MLE)	23.4	nu star (bias corrected)	21.93
Adjusted Level of Significance (β)	0.0395		
Approximate Chi Square Value (21.93, α)	12.28	Adjusted Chi Square Value (21.93, β)	11.79
95% Gamma Approximate UCL	19.83	95% Gamma Adjusted UCL	20.65

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	11.54	SD (KM)	25.85
Variance (KM)	668.4	SE of Mean (KM)	5.3
k hat (KM)	0.199	k star (KM)	0.202
nu hat (KM)	9.96	nu star (KM)	10.1
theta hat (KM)	57.92	theta star (KM)	57.13
80% gamma percentile (KM)	15.28	90% gamma percentile (KM)	34.9
95% gamma percentile (KM)	59.3	99% gamma percentile (KM)	126.4

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (10.10, α)	4.003	Adjusted Chi Square Value (10.10, β)	3.745
95% KM Approximate Gamma UCL	29.11	95% KM Adjusted Gamma UCL	31.12

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.795	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.923	Detected Data Not Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.204	Lilliefors GOF Test	

10% Lilliefors Critical Value	0.173	Detected Data Not Lognormal at 10% Significance Level	
Detected Data Not Lognormal at 10% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	11.38	Mean in Log Scale	1.656
SD in Original Scale	26.44	SD in Log Scale	1.028
95% t UCL (assumes normality of ROS data)	20.43	95% Percentile Bootstrap UCL	21.18
95% BCA Bootstrap UCL	26.85	95% Bootstrap t UCL	62.49
95% H-UCL (Log ROS)	15.12		
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean (logged)	1.74	KM Geo Mean	5.699
KM SD (logged)	0.899	95% Critical H Value (KM-Log)	2.37
KM Standard Error of Mean (logged)	0.186	95% H-UCL (KM -Log)	13.19
KM SD (logged)	0.899	95% Critical H Value (KM-Log)	2.37
KM Standard Error of Mean (logged)	0.186		
DL/2 Statistics			
DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	11.63	Mean in Log Scale	1.701
SD in Original Scale	26.39	SD in Log Scale	1.018
95% t UCL (Assumes normality)	20.67	95% H-Stat UCL	15.52
DL/2 is not a recommended method, provided for comparisons and historical reasons			
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution			
Suggested UCL to Use			
95% KM (t) UCL	20.61		

Trinitrotoluene[2,4,6-]

General Statistics			
Total Number of Observations	36	Number of Distinct Observations	15
		Number of Missing Observations	13
Number of Detects	5	Number of Non-Detects	31
Number of Distinct Detects	5	Number of Distinct Non-Detects	10
Minimum Detect	0.231	Minimum Non-Detect	0.139
Maximum Detect	0.859	Maximum Non-Detect	0.15
Variance Detects	0.0665	Percent Non-Detects	86.11%
Mean Detects	0.685	SD Detects	0.258
Median Detects	0.772	CV Detects	0.376
Skewness Detects	-2.067	Kurtosis Detects	4.408
Mean of Logged Detects	-0.474	SD of Logged Detects	0.557
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.717	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.686	Detected Data appear Normal at 1% Significance Level	
Lilliefors Test Statistic	0.387	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.396	Detected Data appear Normal at 1% Significance Level	
Detected Data appear Normal at 1% Significance Level			
Note GOF tests may be unreliable for small sample sizes			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	0.215	KM Standard Error of Mean	0.0387
90KM SD	0.208	95% KM (BCA) UCL	0.276
95% KM (t) UCL	0.28	95% KM (Percentile Bootstrap) UCL	0.275
95% KM (z) UCL	0.278	95% KM Bootstrap t UCL	0.258
90% KM Chebyshev UCL	0.331	95% KM Chebyshev UCL	0.383
97.5% KM Chebyshev UCL	0.456	99% KM Chebyshev UCL	0.6
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.972	Anderson-Darling GOF Test	
5% A-D Critical Value	0.681	Detected Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.429	Kolmogorov-Smirnov GOF	
5% K-S Critical Value	0.358	Detected Data Not Gamma Distributed at 5% Significance Level	
Detected Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	5.366	k star (bias corrected MLE)	2.28
Theta hat (MLE)	0.128	Theta star (bias corrected MLE)	0.301
nu hat (MLE)	53.66	nu star (bias corrected)	22.8
Mean (detects)	0.685		
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)			
For such situations, GROS method may yield incorrect values of UCLs and BTVs			
This is especially true when the sample size is small.			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	0.127
Maximum	0.859	Median	0.01
SD	0.251	CV	1.972

k hat (MLE)	0.422	k star (bias corrected MLE)	0.405
Theta hat (MLE)	0.302	Theta star (bias corrected MLE)	0.314
nu hat (MLE)	30.37	nu star (bias corrected)	29.17
Adjusted Level of Significance (β)	0.0428		
Approximate Chi Square Value (29.17, α)	17.84	Adjusted Chi Square Value (29.17, β)	17.44
95% Gamma Approximate UCL	0.208	95% Gamma Adjusted UCL	0.213
Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	0.215	SD (KM)	0.208
Variance (KM)	0.0431	SE of Mean (KM)	0.0387
k hat (KM)	1.072	k star (KM)	1.001
nu hat (KM)	77.18	nu star (KM)	72.08
theta hat (KM)	0.2	theta star (KM)	0.215
80% gamma percentile (KM)	0.346	90% gamma percentile (KM)	0.495
95% gamma percentile (KM)	0.643	99% gamma percentile (KM)	0.989
Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (72.08, α)	53.53	Adjusted Chi Square Value (72.08, β)	52.8
95% KM Approximate Gamma UCL	0.289	95% KM Adjusted Gamma UCL	0.293
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.649	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.806	Detected Data Not Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.424	Lilliefors GOF Test	
10% Lilliefors Critical Value	0.319	Detected Data Not Lognormal at 10% Significance Level	
Detected Data Not Lognormal at 10% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	0.174	Mean in Log Scale	-2.285
SD in Original Scale	0.232	SD in Log Scale	0.973
95% t UCL (assumes normality of ROS data)	0.24	95% Percentile Bootstrap UCL	0.241
95% BCA Bootstrap UCL	0.252	95% Bootstrap t UCL	0.275
95% H-UCL (Log ROS)	0.24		
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean (logged)	-1.765	KM Geo Mean	0.171
KM SD (logged)	0.551	95% Critical H Value (KM-Log)	1.948
KM Standard Error of Mean (logged)	0.103	95% H-UCL (KM -Log)	0.239
KM SD (logged)	0.551	95% Critical H Value (KM-Log)	1.948
KM Standard Error of Mean (logged)	0.103		
DL/2 Statistics			
DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.158	Mean in Log Scale	-2.316
SD in Original Scale	0.232	SD in Log Scale	0.774
95% t UCL (Assumes normality)	0.224	95% H-Stat UCL	0.176
DL/2 is not a recommended method, provided for comparisons and historical reasons			
Nonparametric Distribution Free UCL Statistics			
Detected Data appear Normal Distributed at 1% Significance Level			
Suggested UCL to Use			
95% KM (t) UCL	0.28		

TCDD TECi

General Statistics			
Total Number of Observations	50	Number of Distinct Observations	42
		Number of Missing Observations	1
Minimum	1.15E-06	Mean	9.86E-06
Maximum	2.17E-04	Median	2.96E-06
SD	3.15E-05	Std. Error of Mean	4.46E-06
Coefficient of Variation	N/A	Skewness	6.144
Normal GOF Test			
Shapiro Wilk Test Statistic	0.281	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.93	Data Not Normal at 1% Significance Level	
Lilliefors Test Statistic	0.418	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.146	Data Not Normal at 1% Significance Level	
Data Not Normal at 1% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	1.73E-05	95% Adjusted-CLT UCL (Chen-1995)	2.13E-05
		95% Modified-t UCL (Johnson-1978)	1.80E-05
Gamma GOF Test			
A-D Test Statistic	7.088	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.805	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.312	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.132	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	0.611	k star (bias corrected MLE)	0.587
Theta hat (MLE)	1.62E-05	Theta star (bias corrected MLE)	1.68E-05

nu hat (MLE)	61.07	nu star (bias corrected)	58.74
MLE Mean (bias corrected)	9.86E-06	MLE Sd (bias corrected)	1.29E-05
		Approximate Chi Square Value (0.05)	42.12
Adjusted Level of Significance	0.0452	Adjusted Chi Square Value	41.7
Assuming Gamma Distribution			
95% Approximate Gamma UCL	1.38E-05	95% Adjusted Gamma UCL	1.39E-05
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.824	Shapiro Wilk Lognormal GOF Test	
		Data Not Lognormal at 10% Significance	
10% Shapiro Wilk Critical Value	0.955	Level	
Lilliefors Test Statistic	0.211	Lilliefors Lognormal GOF Test	
		Data Not Lognormal at 10% Significance	
10% Lilliefors Critical Value	0.114	Level	
Data Not Lognormal at 10% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	-13.68	Mean of logged Data	-12.54
Maximum of Logged Data	-8.436	SD of logged Data	1.036
Assuming Lognormal Distribution			
95% H-UCL	8.75E-06	90% Chebyshev (MVUE) UCL	9.21E-06
95% Chebyshev (MVUE) UCL	1.06E-05	97.5% Chebyshev (MVUE) UCL	1.26E-05
99% Chebyshev (MVUE) UCL	1.65E-05		
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution			
Nonparametric Distribution Free UCLs			
95% CLT UCL	1.72E-05	95% BCA Bootstrap UCL	2.43E-05
95% Standard Bootstrap UCL	1.73E-05	95% Bootstrap-t UCL	4.40E-05
95% Hall's Bootstrap UCL	4.08E-05	95% Percentile Bootstrap UCL	1.84E-05
90% Chebyshev(Mean, Sd) UCL	2.32E-05	95% Chebyshev(Mean, Sd) UCL	2.93E-05
97.5% Chebyshev(Mean, Sd) UCL	3.77E-05	99% Chebyshev(Mean, Sd) UCL	5.42E-05
Suggested UCL to Use			
95% Student's-t UCL	1.73E-05		

UCL Statistics for Data Sets with Non-Detects Subsurface Soils

User Selected Options			
Date/Time of Computation	ProUCL 5.2 7/14/2024 12:03:25 PM		
From File	EPC 2024 _a.xls		
Full Precision	OFF		
Confidence Coefficient	95%		
Number of Bootstrap Operations	2000		
A26DNT4			
General Statistics			
Total Number of Observations	42	Number of Distinct Observations	17
Number of Detects	5	Number of Missing Observations	13
Minimum	0.139	Mean	0.19
Maximum	0.753	Median	0.149
SD	0.133	Std. Error of Mean	0.0206
Coefficient of Variation	0.701	Skewness	3.226
Normal GOF Test			
Shapiro Wilk Test Statistic	0.412	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.922	Data Not Normal at 1% Significance Level	
Lilliefors Test Statistic	0.5	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.157	Data Not Normal at 1% Significance Level	
Data Not Normal at 1% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	0.225	95% Adjusted-CLT UCL (Chen-1995)	0.235
		95% Modified-t UCL (Johnson-1978)	0.227
Gamma GOF Test			
A-D Test Statistic	11.2	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.752	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.505	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.137	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	4.351	k star (bias corrected MLE)	4.056
Theta hat (MLE)	0.0438	Theta star (bias corrected MLE)	0.047
nu hat (MLE)	365.5	nu star (bias corrected)	340.7

MLE Mean (bias corrected)	0.19	MLE Sd (bias corrected)	0.0946
		Approximate Chi Square Value (0.05)	298.9
Adjusted Level of Significance	0.0443	Adjusted Chi Square Value	297.5
Assuming Gamma Distribution			
95% Approximate Gamma UCL	0.217	95% Adjusted Gamma UCL	0.218
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.452	Shapiro Wilk Lognormal GOF Test	
		Data Not Lognormal at 10% Significance	
10% Shapiro Wilk Critical Value	0.951	Level	
Lilliefors Test Statistic	0.494	Lilliefors Lognormal GOF Test	
		Data Not Lognormal at 10% Significance	
10% Lilliefors Critical Value	0.124	Level	
Data Not Lognormal at 10% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	-1.973	Mean of logged Data	-1.778
Maximum of Logged Data	-0.284	SD of logged Data	0.414
Assuming Lognormal Distribution			
95% H-UCL	0.207	90% Chebyshev (MVUE) UCL	0.22
95% Chebyshev (MVUE) UCL	0.237	97.5% Chebyshev (MVUE) UCL	0.259
99% Chebyshev (MVUE) UCL	0.304		
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution			
Nonparametric Distribution Free UCLs			
95% CLT UCL	0.224	95% BCA Bootstrap UCL	0.24
95% Standard Bootstrap UCL	0.224	95% Bootstrap-t UCL	0.259
95% Hall's Bootstrap UCL	0.233	95% Percentile Bootstrap UCL	0.226
90% Chebyshev(Mean, Sd) UCL	0.252	95% Chebyshev(Mean, Sd) UCL	0.28
97.5% Chebyshev(Mean, Sd) UCL	0.319	99% Chebyshev(Mean, Sd) UCL	0.395
Suggested UCL to Use			
95% Student's-t UCL	0.225		
Barium			
General Statistics			
Total Number of Observations	52	Number of Distinct Observations	50
		Number of Missing Observations	3
Minimum	44.4	Mean	1083
Maximum	4160	Median	740.5
SD	1002	Std. Error of Mean	138.9
Coefficient of Variation	0.924	Skewness	1.365
Normal GOF Test			
Shapiro Wilk Test Statistic	0.847	Shapiro Wilk GOF Test	
1% Shapiro Wilk P Value	5.27E-07	Data Not Normal at 1% Significance Level	
Lilliefors Test Statistic	0.154	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.141	Data Not Normal at 1% Significance Level	
Data Not Normal at 1% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	1316	95% Adjusted-CLT UCL (Chen-1995)	1340
		95% Modified-t UCL (Johnson-1978)	1320
Gamma GOF Test			
A-D Test Statistic	0.505	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.775	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.109	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.126	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data appear Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	1.177	k star (bias corrected MLE)	1.122
Theta hat (MLE)	920.1	Theta star (bias corrected MLE)	965.3
nu hat (MLE)	122.4	nu star (bias corrected)	116.7
MLE Mean (bias corrected)	1083	MLE Sd (bias corrected)	1023
		Approximate Chi Square Value (0.05)	92.77
Adjusted Level of Significance	0.0454	Adjusted Chi Square Value	92.16
Assuming Gamma Distribution			
95% Approximate Gamma UCL	1363	95% Adjusted Gamma UCL	1372
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.96	Shapiro Wilk Lognormal GOF Test	
10% Shapiro Wilk P Value	0.144	Data appear Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.104	Lilliefors Lognormal GOF Test	
10% Lilliefors Critical Value	0.112	Data appear Lognormal at 10% Significance Level	
Data appear Lognormal at 10% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	3.793	Mean of logged Data	6.506
Maximum of Logged Data	8.333	SD of logged Data	1.083

Assuming Lognormal Distribution			
95% H-UCL	1732	90% Chebyshev (MVUE) UCL	1823
95% Chebyshev (MVUE) UCL	2113	97.5% Chebyshev (MVUE) UCL	2516
99% Chebyshev (MVUE) UCL	3307		
Nonparametric Distribution Free UCL Statistics			
Data appear to follow a Discernible Distribution			
Nonparametric Distribution Free UCLs			
95% CLT UCL	1312	95% BCA Bootstrap UCL	1331
95% Standard Bootstrap UCL	1307	95% Bootstrap-t UCL	1337
95% Hall's Bootstrap UCL	1329	95% Percentile Bootstrap UCL	1319
90% Chebyshev(Mean, Sd) UCL	1500	95% Chebyshev(Mean, Sd) UCL	1689
97.5% Chebyshev(Mean, Sd) UCL	1951	99% Chebyshev(Mean, Sd) UCL	2465
Suggested UCL to Use			
95% Approximate Gamma UCL	1363		

Cadmium

General Statistics			
Total Number of Observations	52	Number of Distinct Observations	43
		Number of Missing Observations	3
Number of Detects	15	Number of Non-Detects	37
Number of Distinct Detects	15	Number of Distinct Non-Detects	30
Minimum Detect	0.102	Minimum Non-Detect	0.0859
Maximum Detect	0.562	Maximum Non-Detect	0.119
Variance Detects	0.0277	Percent Non-Detects	71.15%
Mean Detects	0.335	SD Detects	0.166
Median Detects	0.33	CV Detects	0.496
Skewness Detects	-0.223	Kurtosis Detects	-1.438
Mean of Logged Detects	-1.25	SD of Logged Detects	0.629
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.905	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.835	Detected Data appear Normal at 1% Significance Level	
Lilliefors Test Statistic	0.149	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.255	Detected Data appear Normal at 1% Significance Level	
Detected Data appear Normal at 1% Significance Level			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	0.158	KM Standard Error of Mean	0.0204
90KM SD	0.142	95% KM (BCA) UCL	0.191
95% KM (t) UCL	0.192	95% KM (Percentile Bootstrap) UCL	0.191
95% KM (z) UCL	0.192	95% KM Bootstrap t UCL	0.199
90% KM Chebyshev UCL	0.219	95% KM Chebyshev UCL	0.247
97.5% KM Chebyshev UCL	0.285	99% KM Chebyshev UCL	0.361
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.777	Anderson-Darling GOF Test	
		Detected Data Not Gamma Distributed at 5% Significance	
5% A-D Critical Value	0.743	Level	
K-S Test Statistic	0.204	Kolmogorov-Smirnov GOF	
5% K-S Critical Value	0.223	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data follow Appr. Gamma Distribution at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	3.343	k star (bias corrected MLE)	2.719
Theta hat (MLE)	0.1	Theta star (bias corrected MLE)	0.123
nu hat (MLE)	100.3	nu star (bias corrected)	81.57
Mean (detects)	0.335		
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)			
For such situations, GROS method may yield incorrect values of UCLs and BTVs			
This is especially true when the sample size is small.			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	0.105
Maximum	0.562	Median	0.01
SD	0.172	CV	1.646
k hat (MLE)	0.475	k star (bias corrected MLE)	0.46
Theta hat (MLE)	0.22	Theta star (bias corrected MLE)	0.227
nu hat (MLE)	49.4	nu star (bias corrected)	47.89
Adjusted Level of Significance (β)	0.0454		
Approximate Chi Square Value (47.89, α)	33	Adjusted Chi Square Value (47.89, β)	32.65
95% Gamma Approximate UCL	0.152	95% Gamma Adjusted UCL	0.153
Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	0.158	SD (KM)	0.142
Variance (KM)	0.0202	SE of Mean (KM)	0.0204
k hat (KM)	1.238	k star (KM)	1.18
nu hat (KM)	128.8	nu star (KM)	122.7
theta hat (KM)	0.128	theta star (KM)	0.134

80% gamma percentile (KM)	0.251	90% gamma percentile (KM)	0.349
95% gamma percentile (KM)	0.447	99% gamma percentile (KM)	0.67
Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (122.69, α)	98.11	Adjusted Chi Square Value (122.69, β)	97.48
95% KM Approximate Gamma UCL	0.198	95% KM Adjusted Gamma UCL	0.199
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.851	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.901	Detected Data Not Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.234	Lilliefors GOF Test	
10% Lilliefors Critical Value	0.202	Detected Data Not Lognormal at 10% Significance Level	
Detected Data Not Lognormal at 10% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	0.129	Mean in Log Scale	-2.59
SD in Original Scale	0.159	SD in Log Scale	0.949
95% t UCL (assumes normality of ROS data)	0.166	95% Percentile Bootstrap UCL	0.166
95% BCA Bootstrap UCL	0.167	95% Bootstrap t UCL	0.176
95% H-UCL (Log ROS)	0.159		
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean (logged)	-2.105	KM Geo Mean	0.122
KM SD (logged)	0.635	95% Critical H Value (KM-Log)	1.974
KM Standard Error of Mean (logged)	0.0912	95% H-UCL (KM -Log)	0.178
KM SD (logged)	0.635	95% Critical H Value (KM-Log)	1.974
KM Standard Error of Mean (logged)	0.0912		
DL/2 Statistics			
DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.131	Mean in Log Scale	-2.513
SD in Original Scale	0.157	SD in Log Scale	0.879
95% t UCL (Assumes normality)	0.168	95% H-Stat UCL	0.156
DL/2 is not a recommended method, provided for comparisons and historical reasons			
Nonparametric Distribution Free UCL Statistics			
Detected Data appear Normal Distributed at 1% Significance Level			
Suggested UCL to Use			
95% KM (t) UCL	0.192		

Copper

General Statistics			
Total Number of Observations	42	Number of Distinct Observations	41
		Number of Missing Observations	13
Minimum	2.57	Mean	6.888
Maximum	15.8	Median	6.505
SD	3.017	Std. Error of Mean	0.466
Coefficient of Variation	0.438	Skewness	0.85
Normal GOF Test			
Shapiro Wilk Test Statistic	0.901	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.922	Data Not Normal at 1% Significance Level	
Lilliefors Test Statistic	0.0779	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.157	Data appear Normal at 1% Significance Level	
Data appear Approximate Normal at 1% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	7.672	95% Adjusted-CLT UCL (Chen-1995)	7.719
		95% Modified-t UCL (Johnson-1978)	7.682
Gamma GOF Test			
A-D Test Statistic	0.198	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.752	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.0571	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.137	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data appear Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	5.42	k star (bias corrected MLE)	5.048
Theta hat (MLE)	1.271	Theta star (bias corrected MLE)	1.364
nu hat (MLE)	455.2	nu star (bias corrected)	424.1
MLE Mean (bias corrected)	6.888	MLE Sd (bias corrected)	3.066
		Approximate Chi Square Value (0.05)	377.3
Adjusted Level of Significance	0.0443	Adjusted Chi Square Value	375.8
Assuming Gamma Distribution			
95% Approximate Gamma UCL	7.742	95% Adjusted Gamma UCL	7.774
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.927	Shapiro Wilk Lognormal GOF Test	
		Data Not Lognormal at 10% Significance	
10% Shapiro Wilk Critical Value	0.951	Level	
Lilliefors Test Statistic	0.0822	Lilliefors Lognormal GOF Test	
10% Lilliefors Critical Value	0.124	Data appear Lognormal at 10% Significance Level	

Data appear Approximate Lognormal at 10% Significance Level

Lognormal Statistics			
Minimum of Logged Data	0.944	Mean of logged Data	1.835
Maximum of Logged Data	2.76	SD of logged Data	0.451
Assuming Lognormal Distribution			
95% H-UCL	7.904	90% Chebyshev (MVUE) UCL	8.414
95% Chebyshev (MVUE) UCL	9.093	97.5% Chebyshev (MVUE) UCL	10.04
99% Chebyshev (MVUE) UCL	11.89		
Nonparametric Distribution Free UCL Statistics			
Data appear to follow a Discernible Distribution			
Nonparametric Distribution Free UCLs			
95% CLT UCL	7.654	95% BCA Bootstrap UCL	7.721
95% Standard Bootstrap UCL	7.658	95% Bootstrap-t UCL	7.761
95% Hall's Bootstrap UCL	7.756	95% Percentile Bootstrap UCL	7.677
90% Chebyshev(Mean, Sd) UCL	8.285	95% Chebyshev(Mean, Sd) UCL	8.918
97.5% Chebyshev(Mean, Sd) UCL	9.796	99% Chebyshev(Mean, Sd) UCL	11.52
Suggested UCL to Use			
95% Student's-t UCL	7.672		

Nitrate

General Statistics			
Total Number of Observations	13	Number of Distinct Observations	13
		Number of Missing Observations	31
Number of Detects	11	Number of Non-Detects	2
Number of Distinct Detects	11	Number of Distinct Non-Detects	2
Minimum Detect	0.612	Minimum Non-Detect	0.325
Maximum Detect	18.9	Maximum Non-Detect	0.329
Variance Detects	27.23	Percent Non-Detects	15.38%
Mean Detects	3.508	SD Detects	5.219
Median Detects	1.91	CV Detects	1.488
Skewness Detects	3.063	Kurtosis Detects	9.761
Mean of Logged Detects	0.727	SD of Logged Detects	0.954
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.539	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.792	Detected Data Not Normal at 1% Significance Level	
Lilliefors Test Statistic	0.37	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.291	Detected Data Not Normal at 1% Significance Level	
Detected Data Not Normal at 1% Significance Level			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	3.018	KM Standard Error of Mean	1.373
90KM SD	4.719	95% KM (BCA) UCL	5.813
95% KM (t) UCL	5.465	95% KM (Percentile Bootstrap) UCL	5.633
95% KM (z) UCL	5.276	95% KM Bootstrap t UCL	11.53
90% KM Chebyshev UCL	7.136	95% KM Chebyshev UCL	9.001
97.5% KM Chebyshev UCL	11.59	99% KM Chebyshev UCL	16.68
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.831	Anderson-Darling GOF Test	
		Detected Data Not Gamma Distributed at 5% Significance	
5% A-D Critical Value	0.75	Level	
K-S Test Statistic	0.232	Kolmogorov-Smirnov GOF	
5% K-S Critical Value	0.262	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data follow Appr. Gamma Distribution at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	1.084	k star (bias corrected MLE)	0.849
Theta hat (MLE)	3.237	Theta star (bias corrected MLE)	4.133
nu hat (MLE)	23.84	nu star (bias corrected)	18.67
Mean (detects)	3.508		
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)			
For such situations, GROS method may yield incorrect values of UCLs and BTVs			
This is especially true when the sample size is small.			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	2.97
Maximum	18.9	Median	1.53
SD	4.942	CV	1.664
k hat (MLE)	0.532	k star (bias corrected MLE)	0.461
Theta hat (MLE)	5.578	Theta star (bias corrected MLE)	6.444
nu hat (MLE)	13.84	nu star (bias corrected)	11.98
Adjusted Level of Significance (β)	0.0301		
Approximate Chi Square Value (11.98, α)	5.215	Adjusted Chi Square Value (11.98, β)	4.595
95% Gamma Approximate UCL	6.823	95% Gamma Adjusted UCL	7.744
Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	3.018	SD (KM)	4.719

Variance (KM)	22.27	SE of Mean (KM)	1.373
k hat (KM)	0.409	k star (KM)	0.366
nu hat (KM)	10.64	nu star (KM)	9.515
theta hat (KM)	7.378	theta star (KM)	8.247
80% gamma percentile (KM)	4.813	90% gamma percentile (KM)	8.655
95% gamma percentile (KM)	12.93	99% gamma percentile (KM)	23.78
Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (9.51, α)	3.641	Adjusted Chi Square Value (9.51, β)	3.141
95% KM Approximate Gamma UCL	7.888	95% KM Adjusted Gamma UCL	9.143
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.923	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.876	Detected Data appear Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.152	Lilliefors GOF Test	
10% Lilliefors Critical Value	0.231	Detected Data appear Lognormal at 10% Significance Level	
Detected Data appear Lognormal at 10% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	3.003	Mean in Log Scale	0.387
SD in Original Scale	4.921	SD in Log Scale	1.203
95% t UCL (assumes normality of ROS data)	5.435	95% Percentile Bootstrap UCL	5.501
95% BCA Bootstrap UCL	6.98	95% Bootstrap t UCL	10.83
95% H-UCL (Log ROS)	9.264		
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean (logged)	0.442	KM Geo Mean	1.557
KM SD (logged)	1.071	95% Critical H Value (KM-Log)	2.971
KM Standard Error of Mean (logged)	0.311	95% H-UCL (KM -Log)	6.915
KM SD (logged)	1.071	95% Critical H Value (KM-Log)	2.971
KM Standard Error of Mean (logged)	0.311		
DL/2 Statistics			
DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	2.993	Mean in Log Scale	0.337
SD in Original Scale	4.927	SD in Log Scale	1.291
95% t UCL (Assumes normality)	5.429	95% H-Stat UCL	11.35
DL/2 is not a recommended method, provided for comparisons and historical reasons			
Nonparametric Distribution Free UCL Statistics			
Detected Data appear Approximate Gamma Distributed at 5% Significance Level			
Suggested UCL to Use			
95% KM Bootstrap t UCL	11.53	95% Hall's Bootstrap	6.915

Nitrate as Nitrogen

General Statistics			
Total Number of Observations	16	Number of Distinct Observations	16
		Number of Missing Observations	39
Minimum	0.617	Mean	2.492
Maximum	8.32	Median	1.705
SD	2.258	Std. Error of Mean	0.565
Coefficient of Variation	0.906	Skewness	1.481
Normal GOF Test			
Shapiro Wilk Test Statistic	0.805	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.844	Data Not Normal at 1% Significance Level	
Lilliefors Test Statistic	0.203	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.248	Data appear Normal at 1% Significance Level	
Data appear Approximate Normal at 1% Significance Level			
Assuming Normal Distribution			
95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	3.482	95% Adjusted-CLT UCL (Chen-1995)	3.644
		95% Modified-t UCL (Johnson-1978)	3.516
Gamma GOF Test			
A-D Test Statistic	0.691	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.754	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.187	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.219	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data appear Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	1.573	k star (bias corrected MLE)	1.319
Theta hat (MLE)	1.585	Theta star (bias corrected MLE)	1.889
nu hat (MLE)	50.33	nu star (bias corrected)	42.22
MLE Mean (bias corrected)	2.492	MLE Sd (bias corrected)	2.169
		Approximate Chi Square Value (0.05)	28.33
Adjusted Level of Significance	0.0335	Adjusted Chi Square Value	27.03
Assuming Gamma Distribution			
95% Approximate Gamma UCL	3.714	95% Adjusted Gamma UCL	3.892
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.909	Shapiro Wilk Lognormal GOF Test	

10% Shapiro Wilk Critical Value	0.906	Data appear Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.186	Lilliefors Lognormal GOF Test	
10% Lilliefors Critical Value	0.196	Data appear Lognormal at 10% Significance Level	
Data appear Lognormal at 10% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	-0.483	Mean of logged Data	0.563
Maximum of Logged Data	2.119	SD of logged Data	0.855
Assuming Lognormal Distribution			
95% H-UCL	4.38	90% Chebyshev (MVUE) UCL	4.154
95% Chebyshev (MVUE) UCL	4.923	97.5% Chebyshev (MVUE) UCL	5.991
99% Chebyshev (MVUE) UCL	8.088		
Nonparametric Distribution Free UCL Statistics			
Data appear to follow a Discernible Distribution			
Nonparametric Distribution Free UCLs			
95% CLT UCL	3.421	95% BCA Bootstrap UCL	3.682
95% Standard Bootstrap UCL	3.42	95% Bootstrap-t UCL	3.894
95% Hall's Bootstrap UCL	3.764	95% Percentile Bootstrap UCL	3.509
90% Chebyshev(Mean, Sd) UCL	4.186	95% Chebyshev(Mean, Sd) UCL	4.953
97.5% Chebyshev(Mean, Sd) UCL	6.018	99% Chebyshev(Mean, Sd) UCL	8.109
Suggested UCL to Use			
95% Student's-t UCL	3.482		

Perchlorate

General Statistics			
Total Number of Observations	36	Number of Distinct Observations	32
		Number of Missing Observations	19
Number of Detects	9	Number of Non-Detects	27
Number of Distinct Detects	9	Number of Distinct Non-Detects	23
Minimum Detect	5.35E-04	Minimum Non-Detect	4.59E-04
Maximum Detect	0.00247	Maximum Non-Detect	6.10E-04
Variance Detects	4.81E-07	Percent Non-Detects	75%
Mean Detects	0.00106	SD Detects	6.93E-04
Median Detects	6.23E-04	CV Detects	0.653
Skewness Detects	1.317	Kurtosis Detects	0.784
Mean of Logged Detects	-7.011	SD of Logged Detects	0.582
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.794	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.764	Detected Data appear Normal at 1% Significance Level	
Lilliefors Test Statistic	0.292	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.316	Detected Data appear Normal at 1% Significance Level	
Detected Data appear Normal at 1% Significance Level			
Note GOF tests may be unreliable for small sample sizes			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	6.12E-04	KM Standard Error of Mean	7.39E-05
90KM SD	4.18E-04	95% KM (BCA) UCL	7.28E-04
95% KM (t) UCL	7.37E-04	95% KM (Percentile Bootstrap) UCL	7.28E-04
95% KM (z) UCL	7.33E-04	95% KM Bootstrap t UCL	8.60E-04
90% KM Chebyshev UCL	8.34E-04	95% KM Chebyshev UCL	9.34E-04
97.5% KM Chebyshev UCL	0.00107	99% KM Chebyshev UCL	0.00135
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.742	Anderson-Darling GOF Test	
		Detected Data Not Gamma Distributed at 5% Significance	
5% A-D Critical Value	0.726	Level	
K-S Test Statistic	0.309	Kolmogorov-Smirnov GOF	
		Detected Data Not Gamma Distributed at 5% Significance	
5% K-S Critical Value	0.281	Level	
Detected Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	3.226	k star (bias corrected MLE)	2.225
Theta hat (MLE)	3.29E-04	Theta star (bias corrected MLE)	4.77E-04
nu hat (MLE)	58.07	nu star (bias corrected)	40.05
Mean (detects)	0.00106		
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)			
For such situations, GROS method may yield incorrect values of UCLs and BTVs			
This is especially true when the sample size is small.			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	5.35E-04	Mean	0.00777
Maximum	0.01	Median	0.01
SD	0.00394	CV	0.507
k hat (MLE)	1.581	k star (bias corrected MLE)	1.468
Theta hat (MLE)	0.00491	Theta star (bias corrected MLE)	0.00529
nu hat (MLE)	113.8	nu star (bias corrected)	105.7

Adjusted Level of Significance (β)	0.0428		
Approximate Chi Square Value (105.68, α)	82.95	Adjusted Chi Square Value (105.68, β)	82.04
95% Gamma Approximate UCL	0.00989	95% Gamma Adjusted UCL	0.01
Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	6.12E-04	SD (KM)	4.18E-04
Variance (KM)	1.75E-07	SE of Mean (KM)	7.39E-05
k hat (KM)	2.144	k star (KM)	1.984
nu hat (KM)	154.4	nu star (KM)	142.9
theta hat (KM)	2.85E-04	theta star (KM)	3.08E-04
80% gamma percentile (KM)	9.17E-04	90% gamma percentile (KM)	0.00119
95% gamma percentile (KM)	0.00145	99% gamma percentile (KM)	0.00204
Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (142.86, α)	116.2	Adjusted Chi Square Value (142.86, β)	115.2
95% KM Approximate Gamma UCL	7.52E-04	95% KM Adjusted Gamma UCL	7.59E-04
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.841	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.859	Detected Data Not Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.293	Lilliefors GOF Test	
10% Lilliefors Critical Value	0.252	Detected Data Not Lognormal at 10% Significance Level	
Detected Data Not Lognormal at 10% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	3.61E-04	Mean in Log Scale	-8.5
SD in Original Scale	5.28E-04	SD in Log Scale	0.94
95% t UCL (assumes normality of ROS data)	5.10E-04	95% Percentile Bootstrap UCL	5.11E-04
95% BCA Bootstrap UCL	5.39E-04	95% Bootstrap t UCL	6.04E-04
95% H-UCL (Log ROS)	4.57E-04		
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean (logged)	-7.513	KM Geo Mean	5.46E-04
KM SD (logged)	0.4	95% Critical H Value (KM-Log)	1.841
KM Standard Error of Mean (logged)	0.0709	95% H-UCL (KM -Log)	6.70E-04
KM SD (logged)	0.4	95% Critical H Value (KM-Log)	1.841
KM Standard Error of Mean (logged)	0.0709		
DL/2 Statistics			
DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	4.59E-04	Mean in Log Scale	-7.953
SD in Original Scale	4.85E-04	SD in Log Scale	0.622
95% t UCL (Assumes normality)	5.95E-04	95% H-Stat UCL	5.27E-04
DL/2 is not a recommended method, provided for comparisons and historical reasons			
Nonparametric Distribution Free UCL Statistics			
Detected Data appear Normal Distributed at 1% Significance Level			
Suggested UCL to Use			
95% KM (t) UCL	7.37E-04		

Selenium

General Statistics			
Total Number of Observations	52	Number of Distinct Observations	46
		Number of Missing Observations	3
Number of Detects	37	Number of Non-Detects	15
Number of Distinct Detects	35	Number of Distinct Non-Detects	12
Minimum Detect	0.421	Minimum Non-Detect	0.32
Maximum Detect	2.03	Maximum Non-Detect	0.59
Variance Detects	0.162	Percent Non-Detects	28.85%
Mean Detects	0.953	SD Detects	0.403
Median Detects	0.895	CV Detects	0.423
Skewness Detects	1.14	Kurtosis Detects	0.839
Mean of Logged Detects	-0.127	SD of Logged Detects	0.394
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.893	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.814	Detected Data appear Normal at 1% Significance Level	
Lilliefors Test Statistic	0.15	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.168	Detected Data appear Normal at 1% Significance Level	
Detected Data appear Normal at 1% Significance Level			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	0.781	KM Standard Error of Mean	0.0611
90KM SD	0.432	95% KM (BCA) UCL	0.877
95% KM (t) UCL	0.883	95% KM (Percentile Bootstrap) UCL	0.878
95% KM (z) UCL	0.881	95% KM Bootstrap t UCL	0.898
90% KM Chebyshev UCL	0.964	95% KM Chebyshev UCL	1.047
97.5% KM Chebyshev UCL	1.162	99% KM Chebyshev UCL	1.388
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.507	Anderson-Darling GOF Test	
5% A-D Critical Value	0.75	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.109	Kolmogorov-Smirnov GOF	
5% K-S Critical Value	0.145	Detected data appear Gamma Distributed at 5% Significance Level	

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	6.552	k star (bias corrected MLE)	6.039
Theta hat (MLE)	0.145	Theta star (bias corrected MLE)	0.158
nu hat (MLE)	484.9	nu star (bias corrected)	446.9
Mean (detects)	0.953		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.167	Mean	0.745
Maximum	2.03	Median	0.681
SD	0.474	CV	0.636
k hat (MLE)	2.321	k star (bias corrected MLE)	2.2
Theta hat (MLE)	0.321	Theta star (bias corrected MLE)	0.338
nu hat (MLE)	241.4	nu star (bias corrected)	228.8
Adjusted Level of Significance (β)	0.0454		
Approximate Chi Square Value (228.83, α)	194.8	Adjusted Chi Square Value (228.83, β)	193.9
95% Gamma Approximate UCL	0.875	95% Gamma Adjusted UCL	0.879

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.781	SD (KM)	0.432
Variance (KM)	0.186	SE of Mean (KM)	0.0611
k hat (KM)	3.271	k star (KM)	3.095
nu hat (KM)	340.2	nu star (KM)	321.9
theta hat (KM)	0.239	theta star (KM)	0.252
80% gamma percentile (KM)	1.11	90% gamma percentile (KM)	1.376
95% gamma percentile (KM)	1.624	99% gamma percentile (KM)	2.161

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (321.87, α)	281.3	Adjusted Chi Square Value (321.87, β)	280.2
95% KM Approximate Gamma UCL	0.893	95% KM Adjusted Gamma UCL	0.897

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.969	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.946	Detected Data appear Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.0947	Lilliefors GOF Test	
10% Lilliefors Critical Value	0.132	Detected Data appear Lognormal at 10% Significance Level	

Detected Data appear Lognormal at 10% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.785	Mean in Log Scale	-0.377
SD in Original Scale	0.43	SD in Log Scale	0.52
95% t UCL (assumes normality of ROS data)	0.885	95% Percentile Bootstrap UCL	0.888
95% BCA Bootstrap UCL	0.891	95% Bootstrap t UCL	0.903
95% H-UCL (Log ROS)	0.902		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-0.392	KM Geo Mean	0.676
KM SD (logged)	0.538	95% Critical H Value (KM-Log)	1.904
KM Standard Error of Mean (logged)	0.0775	95% H-UCL (KM -Log)	0.902
KM SD (logged)	0.538	95% Critical H Value (KM-Log)	1.904
KM Standard Error of Mean (logged)	0.0775		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.745	Mean in Log Scale	-0.52
SD in Original Scale	0.473	SD in Log Scale	0.716
95% t UCL (Assumes normality)	0.855	95% H-Stat UCL	0.943

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Normal Distributed at 1% Significance Level

Suggested UCL to Use

95% KM (t) UCL	0.883

Silver

General Statistics

Total Number of Observations	52	Number of Distinct Observations	49
		Number of Missing Observations	3
Number of Detects	40	Number of Non-Detects	12
Number of Distinct Detects	40	Number of Distinct Non-Detects	9
Minimum Detect	0.128	Minimum Non-Detect	0.0894
Maximum Detect	7.95	Maximum Non-Detect	0.112
Variance Detects	3.15	Percent Non-Detects	23.08%
Mean Detects	1.533	SD Detects	1.775
Median Detects	0.804	CV Detects	1.158
Skewness Detects	2.024	Kurtosis Detects	4.109
Mean of Logged Detects	-0.119	SD of Logged Detects	1.057

Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.74	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.919	Detected Data Not Normal at 1% Significance Level	
Lilliefors Test Statistic	0.224	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.162	Detected Data Not Normal at 1% Significance Level	
Detected Data Not Normal at 1% Significance Level			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	1.2	KM Standard Error of Mean	0.232
90KM SD	1.653	95% KM (BCA) UCL	1.607
95% KM (t) UCL	1.589	95% KM (Percentile Bootstrap) UCL	1.603
95% KM (z) UCL	1.582	95% KM Bootstrap t UCL	1.715
90% KM Chebyshev UCL	1.897	95% KM Chebyshev UCL	2.212
97.5% KM Chebyshev UCL	2.65	99% KM Chebyshev UCL	3.51
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.939	Anderson-Darling GOF Test	
5% A-D Critical Value	0.777	Detected Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.135	Kolmogorov-Smirnov GOF	
5% K-S Critical Value	0.144	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data follow Appr. Gamma Distribution at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	1.051	k star (bias corrected MLE)	0.989
Theta hat (MLE)	1.459	Theta star (bias corrected MLE)	1.551
nu hat (MLE)	84.08	nu star (bias corrected)	79.1
Mean (detects)	1.533		
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)			
For such situations, GROS method may yield incorrect values of UCLs and BTVs			
This is especially true when the sample size is small.			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	1.182
Maximum	7.95	Median	0.556
SD	1.682	CV	1.423
k hat (MLE)	0.483	k star (bias corrected MLE)	0.468
Theta hat (MLE)	2.445	Theta star (bias corrected MLE)	2.524
nu hat (MLE)	50.27	nu star (bias corrected)	48.7
Adjusted Level of Significance (β)	0.0454		
Approximate Chi Square Value (48.70, α)	33.68	Adjusted Chi Square Value (48.70, β)	33.33
95% Gamma Approximate UCL	1.709	95% Gamma Adjusted UCL	1.727
Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	1.2	SD (KM)	1.653
Variance (KM)	2.733	SE of Mean (KM)	0.232
k hat (KM)	0.527	k star (KM)	0.509
nu hat (KM)	54.81	nu star (KM)	52.98
theta hat (KM)	2.277	theta star (KM)	2.356
80% gamma percentile (KM)	1.973	90% gamma percentile (KM)	3.234
95% gamma percentile (KM)	4.58	99% gamma percentile (KM)	7.882
Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (52.98, α)	37.26	Adjusted Chi Square Value (52.98, β)	36.89
95% KM Approximate Gamma UCL	1.707	95% KM Adjusted Gamma UCL	1.724
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.971	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.949	Detected Data appear Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.0688	Lilliefors GOF Test	
10% Lilliefors Critical Value	0.128	Detected Data appear Lognormal at 10% Significance Level	
Detected Data appear Lognormal at 10% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	1.199	Mean in Log Scale	-0.669
SD in Original Scale	1.67	SD in Log Scale	1.377
95% t UCL (assumes normality of ROS data)	1.587	95% Percentile Bootstrap UCL	1.603
95% BCA Bootstrap UCL	1.655	95% Bootstrap t UCL	1.739
95% H-UCL (Log ROS)	2.253		
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean (logged)	-0.648	KM Geo Mean	0.523
KM SD (logged)	1.332	95% Critical H Value (KM-Log)	2.71
KM Standard Error of Mean (logged)	0.187	95% H-UCL (KM -Log)	2.104
KM SD (logged)	1.332	95% Critical H Value (KM-Log)	2.71
KM Standard Error of Mean (logged)	0.187		
DL/2 Statistics			
DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	1.191	Mean in Log Scale	-0.779
SD in Original Scale	1.675	SD in Log Scale	1.529

95% t UCL (Assumes normality)	1.58	95% H-Stat UCL	2.776

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Gamma Distributed at 5% Significance Level

Suggested UCL to Use

95% KM Approximate Gamma UCL	1.707

Zinc

General Statistics

Total Number of Observations	42	Number of Distinct Observations	39
		Number of Missing Observations	13
Minimum	14.3	Mean	52.06
Maximum	248	Median	41.3
SD	42.05	Std. Error of Mean	6.489
Coefficient of Variation	0.808	Skewness	3.179

Normal GOF Test

Shapiro Wilk Test Statistic	0.631	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.922	Data Not Normal at 1% Significance Level	
Lilliefors Test Statistic	0.253	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.157	Data Not Normal at 1% Significance Level	

Data Not Normal at 1% Significance Level

Assuming Normal Distribution

95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	62.98	95% Adjusted-CLT UCL (Chen-1995)	66.13
		95% Modified-t UCL (Johnson-1978)	63.51

Gamma GOF Test

A-D Test Statistic	1.825	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.756	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.18	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.137	Data Not Gamma Distributed at 5% Significance Level	

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	2.891	k star (bias corrected MLE)	2.701
Theta hat (MLE)	18	Theta star (bias corrected MLE)	19.28
nu hat (MLE)	242.9	nu star (bias corrected)	226.9
MLE Mean (bias corrected)	52.06	MLE Sd (bias corrected)	31.68
		Approximate Chi Square Value (0.05)	193
Adjusted Level of Significance	0.0443	Adjusted Chi Square Value	191.9

Assuming Gamma Distribution

95% Approximate Gamma UCL	61.19	95% Adjusted Gamma UCL	61.54

Lognormal GOF Test

Shapiro Wilk Test Statistic	0.904	Shapiro Wilk Lognormal GOF Test	
		Data Not Lognormal at 10% Significance	
10% Shapiro Wilk Critical Value	0.951	Level	
Lilliefors Test Statistic	0.13	Lilliefors Lognormal GOF Test	
		Data Not Lognormal at 10% Significance	
10% Lilliefors Critical Value	0.124	Level	

Data Not Lognormal at 10% Significance Level

Lognormal Statistics

Minimum of Logged Data	2.66	Mean of logged Data	3.77
Maximum of Logged Data	5.513	SD of logged Data	0.556

Assuming Lognormal Distribution

95% H-UCL	59.87	90% Chebyshev (MVUE) UCL	64.11
95% Chebyshev (MVUE) UCL	70.33	97.5% Chebyshev (MVUE) UCL	78.96
99% Chebyshev (MVUE) UCL	95.91		

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution

Nonparametric Distribution Free UCLs

95% CLT UCL	62.73	95% BCA Bootstrap UCL	66.8
95% Standard Bootstrap UCL	62.67	95% Bootstrap-t UCL	70.72
95% Hall's Bootstrap UCL	73.94	95% Percentile Bootstrap UCL	63.46
90% Chebyshev(Mean, Sd) UCL	71.52	95% Chebyshev(Mean, Sd) UCL	80.34
97.5% Chebyshev(Mean, Sd) UCL	92.58	99% Chebyshev(Mean, Sd) UCL	116.6

Suggested UCL to Use

95% Student's-t UCL	62.98

Benzoic Acid

General Statistics

Total Number of Observations	36	Number of Distinct Observations	28
		Number of Missing Observations	19
Number of Detects	12	Number of Non-Detects	24
Number of Distinct Detects	11	Number of Distinct Non-Detects	17
Minimum Detect	0.228	Minimum Non-Detect	0.164
Maximum Detect	0.538	Maximum Non-Detect	0.841

Variance Detects	0.0222	Percent Non-Detects	66.67%
Mean Detects	0.378	SD Detects	0.149
Median Detects	0.372	CV Detects	0.394
Skewness Detects	0.0148	Kurtosis Detects	-2.388
Mean of Logged Detects	-1.049	SD of Logged Detects	0.414
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.716	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.805	Detected Data Not Normal at 1% Significance Level	
Lilliefors Test Statistic	0.287	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.281	Detected Data Not Normal at 1% Significance Level	
Detected Data Not Normal at 1% Significance Level			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	0.239	KM Standard Error of Mean	0.0232
90KM SD	0.131	95% KM (BCA) UCL	0.279
95% KM (t) UCL	0.279	95% KM (Percentile Bootstrap) UCL	0.278
95% KM (z) UCL	0.278	95% KM Bootstrap t UCL	0.284
90% KM Chebyshev UCL	0.309	95% KM Chebyshev UCL	0.341
97.5% KM Chebyshev UCL	0.385	99% KM Chebyshev UCL	0.471
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	1.679	Anderson-Darling GOF Test	
		Detected Data Not Gamma Distributed at 5% Significance	
5% A-D Critical Value	0.731	Level	
K-S Test Statistic	0.284	Kolmogorov-Smirnov GOF	
		Detected Data Not Gamma Distributed at 5% Significance	
5% K-S Critical Value	0.246	Level	
Detected Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	6.695	k star (bias corrected MLE)	5.077
Theta hat (MLE)	0.0565	Theta star (bias corrected MLE)	0.0745
nu hat (MLE)	160.7	nu star (bias corrected)	121.8
Mean (detects)	0.378		
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)			
For such situations, GROS method may yield incorrect values of UCLs and BTVs			
This is especially true when the sample size is small.			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	0.169
Maximum	0.538	Median	0.0949
SD	0.175	CV	1.039
k hat (MLE)	0.987	k star (bias corrected MLE)	0.923
Theta hat (MLE)	0.171	Theta star (bias corrected MLE)	0.183
nu hat (MLE)	71.06	nu star (bias corrected)	66.47
Adjusted Level of Significance (β)	0.0428		
Approximate Chi Square Value (66.47, α)	48.71	Adjusted Chi Square Value (66.47, β)	48.02
95% Gamma Approximate UCL	0.23	95% Gamma Adjusted UCL	0.233
Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	0.239	SD (KM)	0.131
Variance (KM)	0.0172	SE of Mean (KM)	0.0232
k hat (KM)	3.34	k star (KM)	3.08
nu hat (KM)	240.4	nu star (KM)	221.7
theta hat (KM)	0.0717	theta star (KM)	0.0778
80% gamma percentile (KM)	0.341	90% gamma percentile (KM)	0.422
95% gamma percentile (KM)	0.499	99% gamma percentile (KM)	0.664
Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (221.74, α)	188.3	Adjusted Chi Square Value (221.74, β)	186.9
95% KM Approximate Gamma UCL	0.282	95% KM Adjusted Gamma UCL	0.284
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.715	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.883	Detected Data Not Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.281	Lilliefors GOF Test	
10% Lilliefors Critical Value	0.223	Detected Data Not Lognormal at 10% Significance Level	
Detected Data Not Lognormal at 10% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	0.207	Mean in Log Scale	-1.775
SD in Original Scale	0.15	SD in Log Scale	0.601
95% t UCL (assumes normality of ROS data)	0.249	95% Percentile Bootstrap UCL	0.249
95% BCA Bootstrap UCL	0.253	95% Bootstrap t UCL	0.261
95% H-UCL (Log ROS)	0.248		
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean (logged)	-1.538	KM Geo Mean	0.215
KM SD (logged)	0.427	95% Critical H Value (KM-Log)	1.858
KM Standard Error of Mean (logged)	0.076	95% H-UCL (KM -Log)	0.269

KM SD (logged)	0.427	95% Critical H Value (KM-Log)	1.858
KM Standard Error of Mean (logged)	0.076		
DL/2 Statistics			
DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.207	Mean in Log Scale	-1.836
SD in Original Scale	0.162	SD in Log Scale	0.711
95% t UCL (Assumes normality)	0.253	95% H-Stat UCL	0.264
DL/2 is not a recommended method, provided for comparisons and historical reasons			
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution			
Suggested UCL to Use			
95% KM (t) UCL	0.279		

B2EHP

General Statistics			
Total Number of Observations	36	Number of Distinct Observations	34
		Number of Missing Observations	19
Number of Detects	22	Number of Non-Detects	14
Number of Distinct Detects	22	Number of Distinct Non-Detects	13
Minimum Detect	0.0125	Minimum Non-Detect	0.00984
Maximum Detect	3.83	Maximum Non-Detect	0.106
Variance Detects	0.969	Percent Non-Detects	38.89%
Mean Detects	0.415	SD Detects	0.985
Median Detects	0.0293	CV Detects	2.374
Skewness Detects	2.841	Kurtosis Detects	7.646
Mean of Logged Detects	-2.829	SD of Logged Detects	1.784
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.474	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.878	Detected Data Not Normal at 1% Significance Level	
Lilliefors Test Statistic	0.406	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.214	Detected Data Not Normal at 1% Significance Level	
Detected Data Not Normal at 1% Significance Level			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	0.259	KM Standard Error of Mean	0.133
90KM SD	0.777	95% KM (BCA) UCL	0.51
95% KM (t) UCL	0.483	95% KM (Percentile Bootstrap) UCL	0.493
95% KM (z) UCL	0.477	95% KM Bootstrap t UCL	0.949
90% KM Chebyshev UCL	0.656	95% KM Chebyshev UCL	0.837
97.5% KM Chebyshev UCL	1.087	99% KM Chebyshev UCL	1.578
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	3.154	Anderson-Darling GOF Test	
		Detected Data Not Gamma Distributed at 5% Significance	
5% A-D Critical Value	0.838	Level	
K-S Test Statistic	0.357	Kolmogorov-Smirnov GOF	
		Detected Data Not Gamma Distributed at 5% Significance	
5% K-S Critical Value	0.2	Level	
Detected Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	0.346	k star (bias corrected MLE)	0.329
Theta hat (MLE)	1.2	Theta star (bias corrected MLE)	1.261
nu hat (MLE)	15.21	nu star (bias corrected)	14.47
Mean (detects)	0.415		
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)			
For such situations, GROS method may yield incorrect values of UCLs and BTVs			
This is especially true when the sample size is small.			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	0.257
Maximum	3.83	Median	0.0145
SD	0.789	CV	3.064
k hat (MLE)	0.316	k star (bias corrected MLE)	0.308
Theta hat (MLE)	0.814	Theta star (bias corrected MLE)	0.835
nu hat (MLE)	22.76	nu star (bias corrected)	22.2
Adjusted Level of Significance (β)	0.0428		
Approximate Chi Square Value (22.20, α)	12.49	Adjusted Chi Square Value (22.20, β)	12.16
95% Gamma Approximate UCL	0.457	95% Gamma Adjusted UCL	0.47
Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	0.259	SD (KM)	0.777
Variance (KM)	0.604	SE of Mean (KM)	0.133
k hat (KM)	0.111	k star (KM)	0.12
nu hat (KM)	7.979	nu star (KM)	8.647
theta hat (KM)	2.334	theta star (KM)	2.154
80% gamma percentile (KM)	0.227	90% gamma percentile (KM)	0.733

95% gamma percentile (KM)	1.476	99% gamma percentile (KM)	3.743
Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (8.65, α)	3.115	Adjusted Chi Square Value (8.65, β)	2.966
95% KM Approximate Gamma UCL	0.718	95% KM Adjusted Gamma UCL	0.754
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.793	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.926	Detected Data Not Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.263	Lilliefors GOF Test	
10% Lilliefors Critical Value	0.169	Detected Data Not Lognormal at 10% Significance Level	
Detected Data Not Lognormal at 10% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	0.255	Mean in Log Scale	-4.047
SD in Original Scale	0.789	SD in Log Scale	2.174
95% t UCL (assumes normality of ROS data)	0.478	95% Percentile Bootstrap UCL	0.483
95% BCA Bootstrap UCL	0.552	95% Bootstrap t UCL	0.95
95% H-UCL (Log ROS)	0.801		
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean (logged)	-3.452	KM Geo Mean	0.0317
KM SD (logged)	1.592	95% Critical H Value (KM-Log)	3.133
KM Standard Error of Mean (logged)	0.274	95% H-UCL (KM -Log)	0.261
KM SD (logged)	1.592	95% Critical H Value (KM-Log)	3.133
KM Standard Error of Mean (logged)	0.274		
DL/2 Statistics			
DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.261	Mean in Log Scale	-3.466
SD in Original Scale	0.787	SD in Log Scale	1.729
95% t UCL (Assumes normality)	0.483	95% H-Stat UCL	0.368
DL/2 is not a recommended method, provided for comparisons and historical reasons			
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution			
Suggested UCL to Use			
95% KM (t) UCL	0.483		

HMX

General Statistics			
Total Number of Observations	42	Number of Distinct Observations	23
		Number of Missing Observations	13
Number of Detects	12	Number of Non-Detects	30
Number of Distinct Detects	12	Number of Distinct Non-Detects	11
Minimum Detect	0.458	Minimum Non-Detect	0.139
Maximum Detect	24.9	Maximum Non-Detect	0.15
Variance Detects	42.92	Percent Non-Detects	71.43%
Mean Detects	4.316	SD Detects	6.551
Median Detects	2.73	CV Detects	1.518
Skewness Detects	3.332	Kurtosis Detects	11.36
Mean of Logged Detects	0.968	SD of Logged Detects	0.926
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.465	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.805	Detected Data Not Normal at 1% Significance Level	
Lilliefors Test Statistic	0.456	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.281	Detected Data Not Normal at 1% Significance Level	
Detected Data Not Normal at 1% Significance Level			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	1.332	KM Standard Error of Mean	0.62
90KM SD	3.847	95% KM (BCA) UCL	2.518
95% KM (t) UCL	2.376	95% KM (Percentile Bootstrap) UCL	2.445
95% KM (z) UCL	2.352	95% KM Bootstrap t UCL	4.246
90% KM Chebyshev UCL	3.192	95% KM Chebyshev UCL	4.035
97.5% KM Chebyshev UCL	5.204	99% KM Chebyshev UCL	7.501
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	1.465	Anderson-Darling GOF Test	
		Detected Data Not Gamma Distributed at 5% Significance	
5% A-D Critical Value	0.753	Level	
K-S Test Statistic	0.357	Kolmogorov-Smirnov GOF	
		Detected Data Not Gamma Distributed at 5% Significance	
5% K-S Critical Value	0.252	Level	
Detected Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	1.149	k star (bias corrected MLE)	0.917
Theta hat (MLE)	3.757	Theta star (bias corrected MLE)	4.705
nu hat (MLE)	27.57	nu star (bias corrected)	22.01
Mean (detects)	4.316		
Gamma ROS Statistics using Imputed Non-Detects			

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)
For such situations, GROS method may yield incorrect values of UCLs and BTVs
This is especially true when the sample size is small.
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	1.24
Maximum	24.9	Median	0.01
SD	3.923	CV	3.163
k hat (MLE)	0.224	k star (bias corrected MLE)	0.224
Theta hat (MLE)	5.538	Theta star (bias corrected MLE)	5.541
nu hat (MLE)	18.81	nu star (bias corrected)	18.8
Adjusted Level of Significance (β)	0.0443		
Approximate Chi Square Value (18.80, α)	9.972	Adjusted Chi Square Value (18.80, β)	9.742
95% Gamma Approximate UCL	2.338	95% Gamma Adjusted UCL	2.393

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	1.332	SD (KM)	3.847
Variance (KM)	14.8	SE of Mean (KM)	0.62
k hat (KM)	0.12	k star (KM)	0.127
nu hat (KM)	10.08	nu star (KM)	10.69
theta hat (KM)	11.11	theta star (KM)	10.47
80% gamma percentile (KM)	1.245	90% gamma percentile (KM)	3.832
95% gamma percentile (KM)	7.542	99% gamma percentile (KM)	18.71

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (10.69, α)	4.377	Adjusted Chi Square Value (10.69, β)	4.233
95% KM Approximate Gamma UCL	3.254	95% KM Adjusted Gamma UCL	3.364

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.847	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.883	Detected Data Not Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.276	Lilliefors GOF Test	
10% Lilliefors Critical Value	0.223	Detected Data Not Lognormal at 10% Significance Level	

Detected Data Not Lognormal at 10% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	1.367	Mean in Log Scale	-1.136
SD in Original Scale	3.885	SD in Log Scale	1.596
95% t UCL (assumes normality of ROS data)	2.376	95% Percentile Bootstrap UCL	2.465
95% BCA Bootstrap UCL	3.073	95% Bootstrap t UCL	4.442
95% H-UCL (Log ROS)	2.483		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-1.133	KM Geo Mean	0.322
KM SD (logged)	1.411	95% Critical H Value (KM-Log)	2.848
KM Standard Error of Mean (logged)	0.227	95% H-UCL (KM -Log)	1.631
KM SD (logged)	1.411	95% Critical H Value (KM-Log)	2.848
KM Standard Error of Mean (logged)	0.227		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	1.285	Mean in Log Scale	-1.592
SD in Original Scale	3.909	SD in Log Scale	1.708
95% t UCL (Assumes normality)	2.3	95% H-Stat UCL	2.077

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution

Suggested UCL to Use

95% KM (t) UCL	2.376

RDX

General Statistics

Total Number of Observations	42	Number of Distinct Observations	27
		Number of Missing Observations	13
Number of Detects	17	Number of Non-Detects	25
Number of Distinct Detects	17	Number of Distinct Non-Detects	10
Minimum Detect	0.193	Minimum Non-Detect	0.139
Maximum Detect	48.7	Maximum Non-Detect	0.15
Variance Detects	145.8	Percent Non-Detects	59.52%
Mean Detects	8.233	SD Detects	12.07
Median Detects	6	CV Detects	1.466
Skewness Detects	2.641	Kurtosis Detects	8.097
Mean of Logged Detects	0.956	SD of Logged Detects	1.816

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.673	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.851	Detected Data Not Normal at 1% Significance Level	
Lilliefors Test Statistic	0.263	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.241	Detected Data Not Normal at 1% Significance Level	

Detected Data Not Normal at 1% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	3.415	KM Standard Error of Mean	1.343
90KM SD	8.445	95% KM (BCA) UCL	5.943
95% KM (t) UCL	5.676	95% KM (Percentile Bootstrap) UCL	5.76
95% KM (z) UCL	5.625	95% KM Bootstrap t UCL	7.974
90% KM Chebyshev UCL	7.445	95% KM Chebyshev UCL	9.27
97.5% KM Chebyshev UCL	11.8	99% KM Chebyshev UCL	16.78

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	0.65	Anderson-Darling GOF Test	
5% A-D Critical Value	0.794	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.195	Kolmogorov-Smirnov GOF	
5% K-S Critical Value	0.22	Detected data appear Gamma Distributed at 5% Significance Level	

Detected data appear Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.544	k star (bias corrected MLE)	0.487
Theta hat (MLE)	15.13	Theta star (bias corrected MLE)	16.9
nu hat (MLE)	18.5	nu star (bias corrected)	16.57
Mean (detects)	8.233		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	3.339
Maximum	48.7	Median	0.01
SD	8.578	CV	2.569
k hat (MLE)	0.206	k star (bias corrected MLE)	0.207
Theta hat (MLE)	16.22	Theta star (bias corrected MLE)	16.13
nu hat (MLE)	17.29	nu star (bias corrected)	17.39
Adjusted Level of Significance (β)	0.0443		
Approximate Chi Square Value (17.39, α)	8.949	Adjusted Chi Square Value (17.39, β)	8.733
95% Gamma Approximate UCL	6.486	95% Gamma Adjusted UCL	6.647

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	3.415	SD (KM)	8.445
Variance (KM)	71.32	SE of Mean (KM)	1.343
k hat (KM)	0.164	k star (KM)	0.168
nu hat (KM)	13.74	nu star (KM)	14.09
theta hat (KM)	20.88	theta star (KM)	20.36
80% gamma percentile (KM)	4.045	90% gamma percentile (KM)	10.25
95% gamma percentile (KM)	18.36	99% gamma percentile (KM)	41.39

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (14.09, α)	6.633	Adjusted Chi Square Value (14.09, β)	6.451
95% KM Approximate Gamma UCL	7.255	95% KM Adjusted Gamma UCL	7.46

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.894	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.91	Detected Data Not Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.253	Lilliefors GOF Test	
10% Lilliefors Critical Value	0.19	Detected Data Not Lognormal at 10% Significance Level	

Detected Data Not Lognormal at 10% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	3.35	Mean in Log Scale	-2.108
SD in Original Scale	8.573	SD in Log Scale	2.976
95% t UCL (assumes normality of ROS data)	5.576	95% Percentile Bootstrap UCL	5.61
95% BCA Bootstrap UCL	6.462	95% Bootstrap t UCL	8.071
95% H-UCL (Log ROS)	108.7		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-0.788	KM Geo Mean	0.455
KM SD (logged)	1.823	95% Critical H Value (KM-Log)	3.403
KM Standard Error of Mean (logged)	0.29	95% H-UCL (KM -Log)	6.312
KM SD (logged)	1.823	95% Critical H Value (KM-Log)	3.403
KM Standard Error of Mean (logged)	0.29		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	3.376	Mean in Log Scale	-1.171
SD in Original Scale	8.563	SD in Log Scale	2.106
95% t UCL (Assumes normality)	5.6	95% H-Stat UCL	9.963

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Gamma Distributed at 5% Significance Level

Suggested UCL to Use

95% KM Adjusted Gamma UCL	7.46

TATB

General Statistics

Total Number of Observations	42	Number of Distinct Observations	31
		Number of Missing Observations	13
Number of Detects	19	Number of Non-Detects	23
Number of Distinct Detects	19	Number of Distinct Non-Detects	12
Minimum Detect	0.292	Minimum Non-Detect	0.278
Maximum Detect	11.6	Maximum Non-Detect	0.302
Variance Detects	7.38	Percent Non-Detects	54.76%
Mean Detects	2.029	SD Detects	2.717
Median Detects	0.933	CV Detects	1.339
Skewness Detects	2.72	Kurtosis Detects	8.589
Mean of Logged Detects	0.124	SD of Logged Detects	1.054
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.647	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.863	Detected Data Not Normal at 1% Significance Level	
Lilliefors Test Statistic	0.291	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.229	Detected Data Not Normal at 1% Significance Level	
Detected Data Not Normal at 1% Significance Level			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	1.071	KM Standard Error of Mean	0.314
90KM SD	1.981	95% KM (BCA) UCL	1.662
95% KM (t) UCL	1.599	95% KM (Percentile Bootstrap) UCL	1.602
95% KM (z) UCL	1.587	95% KM Bootstrap t UCL	2.102
90% KM Chebyshev UCL	2.012	95% KM Chebyshev UCL	2.439
97.5% KM Chebyshev UCL	3.031	99% KM Chebyshev UCL	4.195
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.917	Anderson-Darling GOF Test	
		Detected Data Not Gamma Distributed at 5% Significance Level	
5% A-D Critical Value	0.77		
K-S Test Statistic	0.212	Kolmogorov-Smirnov GOF	
		Detected Data Not Gamma Distributed at 5% Significance Level	
5% K-S Critical Value	0.204		
Detected Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	0.989	k star (bias corrected MLE)	0.868
Theta hat (MLE)	2.051	Theta star (bias corrected MLE)	2.338
nu hat (MLE)	37.59	nu star (bias corrected)	32.99
Mean (detects)	2.029		
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)			
For such situations, GROS method may yield incorrect values of UCLs and BTVs			
This is especially true when the sample size is small.			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	0.924
Maximum	11.6	Median	0.01
SD	2.068	CV	2.239
k hat (MLE)	0.29	k star (bias corrected MLE)	0.286
Theta hat (MLE)	3.179	Theta star (bias corrected MLE)	3.234
nu hat (MLE)	24.4	nu star (bias corrected)	23.99
Adjusted Level of Significance (β)	0.0443		
Approximate Chi Square Value (23.99, α)	13.84	Adjusted Chi Square Value (23.99, β)	13.57
95% Gamma Approximate UCL	1.601	95% Gamma Adjusted UCL	1.633
Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	1.071	SD (KM)	1.981
Variance (KM)	3.922	SE of Mean (KM)	0.314
k hat (KM)	0.292	k star (KM)	0.287
nu hat (KM)	24.54	nu star (KM)	24.12
theta hat (KM)	3.664	theta star (KM)	3.728
80% gamma percentile (KM)	1.623	90% gamma percentile (KM)	3.173
95% gamma percentile (KM)	4.966	99% gamma percentile (KM)	9.65
Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (24.12, α)	13.94	Adjusted Chi Square Value (24.12, β)	13.67
95% KM Approximate Gamma UCL	1.852	95% KM Adjusted Gamma UCL	1.89
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.931	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.917	Detected Data appear Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.135	Lilliefors GOF Test	
10% Lilliefors Critical Value	0.18	Detected Data appear Lognormal at 10% Significance Level	
Detected Data appear Lognormal at 10% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	0.956	Mean in Log Scale	-1.501
SD in Original Scale	2.053	SD in Log Scale	1.716
95% t UCL (assumes normality of ROS data)	1.49	95% Percentile Bootstrap UCL	1.507

95% BCA Bootstrap UCL	1.636	95% Bootstrap t UCL	1.957
95% H-UCL (Log ROS)	2.324		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-0.644	KM Geo Mean	0.525
KM SD (logged)	0.982	95% Critical H Value (KM-Log)	2.337
KM Standard Error of Mean (logged)	0.156	95% H-UCL (KM -Log)	1.216
KM SD (logged)	0.982	95% Critical H Value (KM-Log)	2.337
KM Standard Error of Mean (logged)	0.156		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.998	Mean in Log Scale	-1
SD in Original Scale	2.035	SD in Log Scale	1.248
95% t UCL (Assumes normality)	1.526	95% H-Stat UCL	1.341

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Detected Data appear Lognormal Distributed at 10% Significance Level

Suggested UCL to Use

KM H-UCL	1.216

TPH DRO

General Statistics

Total Number of Observations	31	Number of Distinct Observations	31
		Number of Missing Observations	24
Number of Detects	27	Number of Non-Detects	4
Number of Distinct Detects	27	Number of Distinct Non-Detects	4
Minimum Detect	2.18	Minimum Non-Detect	2.16
Maximum Detect	135	Maximum Non-Detect	21.5
Variance Detects	638	Percent Non-Detects	12.90%
Mean Detects	12.3	SD Detects	25.26
Median Detects	5.2	CV Detects	2.054
Skewness Detects	4.752	Kurtosis Detects	23.63
Mean of Logged Detects	1.91	SD of Logged Detects	0.878

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.369	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.894	Detected Data Not Normal at 1% Significance Level	
Lilliefors Test Statistic	0.356	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.194	Detected Data Not Normal at 1% Significance Level	

Detected Data Not Normal at 1% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	11.12	KM Standard Error of Mean	4.276
90KM SD	23.35	95% KM (BCA) UCL	19.43
95% KM (t) UCL	18.38	95% KM (Percentile Bootstrap) UCL	19.26
95% KM (z) UCL	18.15	95% KM Bootstrap t UCL	41.37
90% KM Chebyshev UCL	23.95	95% KM Chebyshev UCL	29.76
97.5% KM Chebyshev UCL	37.83	99% KM Chebyshev UCL	53.67

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	2.598	Anderson-Darling GOF Test	
		Detected Data Not Gamma Distributed at 5% Significance	
5% A-D Critical Value	0.775	Level	
K-S Test Statistic	0.223	Kolmogorov-Smirnov GOF	
		Detected Data Not Gamma Distributed at 5% Significance	
5% K-S Critical Value	0.173	Level	

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.967	k star (bias corrected MLE)	0.885
Theta hat (MLE)	12.71	Theta star (bias corrected MLE)	13.9
nu hat (MLE)	52.24	nu star (bias corrected)	47.77
Mean (detects)	12.3		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	10.8
Maximum	135	Median	5.02
SD	23.85	CV	2.208
k hat (MLE)	0.554	k star (bias corrected MLE)	0.522
Theta hat (MLE)	19.48	Theta star (bias corrected MLE)	20.68
nu hat (MLE)	34.38	nu star (bias corrected)	32.38
Adjusted Level of Significance (β)	0.0413		
Approximate Chi Square Value (32.38, α)	20.38	Adjusted Chi Square Value (32.38, β)	19.85
95% Gamma Approximate UCL	17.17	95% Gamma Adjusted UCL	17.63

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	11.12	SD (KM)	23.35
Variance (KM)	545.4	SE of Mean (KM)	4.276
k hat (KM)	0.227	k star (KM)	0.226
nu hat (KM)	14.06	nu star (KM)	14.03
theta hat (KM)	49.04	theta star (KM)	49.14
80% gamma percentile (KM)	15.54	90% gamma percentile (KM)	33.56
95% gamma percentile (KM)	55.41	99% gamma percentile (KM)	114.4
Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (14.03, α)	6.593	Adjusted Chi Square Value (14.03, β)	6.31
95% KM Approximate Gamma UCL	23.67	95% KM Adjusted Gamma UCL	24.73
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.872	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.935	Detected Data Not Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.142	Lilliefors GOF Test	
10% Lilliefors Critical Value	0.153	Detected Data appear Lognormal at 10% Significance Level	
Detected Data appear Approximate Lognormal at 10% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	10.99	Mean in Log Scale	1.734
SD in Original Scale	23.77	SD in Log Scale	0.973
95% t UCL (assumes normality of ROS data)	18.24	95% Percentile Bootstrap UCL	18.63
95% BCA Bootstrap UCL	23.31	95% Bootstrap t UCL	41.9
95% H-UCL (Log ROS)	13.9		
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean (logged)	1.792	KM Geo Mean	6.002
KM SD (logged)	0.878	95% Critical H Value (KM-Log)	2.285
KM Standard Error of Mean (logged)	0.162	95% H-UCL (KM -Log)	12.73
KM SD (logged)	0.878	95% Critical H Value (KM-Log)	2.285
KM Standard Error of Mean (logged)	0.162		
DL/2 Statistics			
DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	11.17	Mean in Log Scale	1.758
SD in Original Scale	23.75	SD in Log Scale	0.976
95% t UCL (Assumes normality)	18.41	95% H-Stat UCL	14.31
DL/2 is not a recommended method, provided for comparisons and historical reasons			
Nonparametric Distribution Free UCL Statistics			
Detected Data appear Approximate Lognormal Distributed at 10% Significance Level			
Suggested UCL to Use			
KM H-UCL	12.73		

TNT

General Statistics			
Total Number of Observations	42	Number of Distinct Observations	19
		Number of Missing Observations	13
Number of Detects	7	Number of Non-Detects	35
Number of Distinct Detects	7	Number of Distinct Non-Detects	12
Minimum Detect	0.158	Minimum Non-Detect	0.139
Maximum Detect	1.26	Maximum Non-Detect	0.15
Variance Detects	0.146	Percent Non-Detects	83.33%
Mean Detects	0.692	SD Detects	0.382
Median Detects	0.772	CV Detects	0.552
Skewness Detects	-0.25	Kurtosis Detects	-0.305
Mean of Logged Detects	-0.569	SD of Logged Detects	0.77
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.903	Shapiro Wilk GOF Test	
1% Shapiro Wilk Critical Value	0.73	Detected Data appear Normal at 1% Significance Level	
Lilliefors Test Statistic	0.266	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.35	Detected Data appear Normal at 1% Significance Level	
Detected Data appear Normal at 1% Significance Level			
Note GOF tests may be unreliable for small sample sizes			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	0.231	KM Standard Error of Mean	0.0419
90KM SD	0.252	95% KM (BCA) UCL	0.299
95% KM (t) UCL	0.302	95% KM (Percentile Bootstrap) UCL	0.3
95% KM (z) UCL	0.3	95% KM Bootstrap t UCL	0.3
90% KM Chebyshev UCL	0.357	95% KM Chebyshev UCL	0.414
97.5% KM Chebyshev UCL	0.493	99% KM Chebyshev UCL	0.648
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.668	Anderson-Darling GOF Test	
5% A-D Critical Value	0.713	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.34	Kolmogorov-Smirnov GOF	
		Detected Data Not Gamma Distributed at 5% Significance	
5% K-S Critical Value	0.314	Level	
Detected data follow Appr. Gamma Distribution at 5% Significance Level			
Note GOF tests may be unreliable for small sample sizes			

Gamma Statistics on Detected Data Only

k hat (MLE)	2.642	k star (bias corrected MLE)	1.605
Theta hat (MLE)	0.262	Theta star (bias corrected MLE)	0.431
nu hat (MLE)	36.98	nu star (bias corrected)	22.47
Mean (detects)	0.692		

Gamma ROS Statistics using Imputed Non-Detects
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)
For such situations, GROS method may yield incorrect values of UCLs and BTVs
This is especially true when the sample size is small.
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	0.124
Maximum	1.26	Median	0.01
SD	0.296	CV	2.392
k hat (MLE)	0.363	k star (bias corrected MLE)	0.353
Theta hat (MLE)	0.341	Theta star (bias corrected MLE)	0.351
nu hat (MLE)	30.48	nu star (bias corrected)	29.64
Adjusted Level of Significance (β)	0.0443		
Approximate Chi Square Value (29.64, α)	18.21	Adjusted Chi Square Value (29.64, β)	17.89
95% Gamma Approximate UCL	0.201	95% Gamma Adjusted UCL	0.205

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	0.231	SD (KM)	0.252
Variance (KM)	0.0633	SE of Mean (KM)	0.0419
k hat (KM)	0.844	k star (KM)	0.8
nu hat (KM)	70.93	nu star (KM)	67.2
theta hat (KM)	0.274	theta star (KM)	0.289
80% gamma percentile (KM)	0.378	90% gamma percentile (KM)	0.562
95% gamma percentile (KM)	0.75	99% gamma percentile (KM)	1.193

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (67.20, α)	49.33	Adjusted Chi Square Value (67.20, β)	48.79
95% KM Approximate Gamma UCL	0.315	95% KM Adjusted Gamma UCL	0.318

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Test Statistic	0.819	Shapiro Wilk GOF Test	
10% Shapiro Wilk Critical Value	0.838	Detected Data Not Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.352	Lilliefors GOF Test	
10% Lilliefors Critical Value	0.28	Detected Data Not Lognormal at 10% Significance Level	

Detected Data Not Lognormal at 10% Significance Level

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	0.147	Mean in Log Scale	-3.158
SD in Original Scale	0.288	SD in Log Scale	1.487
95% t UCL (assumes normality of ROS data)	0.221	95% Percentile Bootstrap UCL	0.222
95% BCA Bootstrap UCL	0.23	95% Bootstrap t UCL	0.26
95% H-UCL (Log ROS)	0.254		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	-1.739	KM Geo Mean	0.176
KM SD (logged)	0.599	95% Critical H Value (KM-Log)	1.973
KM Standard Error of Mean (logged)	0.0998	95% H-UCL (KM -Log)	0.253
KM SD (logged)	0.599	95% Critical H Value (KM-Log)	1.973
KM Standard Error of Mean (logged)	0.0998		

DL/2 Statistics

DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	0.176	Mean in Log Scale	-2.275
SD in Original Scale	0.275	SD in Log Scale	0.827
95% t UCL (Assumes normality)	0.248	95% H-Stat UCL	0.192

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics
Detected Data appear Normal Distributed at 1% Significance Level
Suggested UCL to Use

95% KM (t) UCL	0.302

TCDD TECi

General Statistics

Total Number of Observations	52	Number of Distinct Observations	48
		Number of Missing Observations	1
Minimum	1.15E-06	Mean	1.12E-05
Maximum	2.17E-04	Median	2.98E-06
SD	3.30E-05	Std. Error of Mean	4.57E-06
Coefficient of Variation	N/A	Skewness	5.338

Normal GOF Test

Shapiro Wilk Test Statistic	0.323	Shapiro Wilk GOF Test	
1% Shapiro Wilk P Value	0	Data Not Normal at 1% Significance Level	
Lilliefors Test Statistic	0.431	Lilliefors GOF Test	
1% Lilliefors Critical Value	0.141	Data Not Normal at 1% Significance Level	

Data Not Normal at 1% Significance Level

Assuming Normal Distribution			
95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	1.88E-05	95% Adjusted-CLT UCL (Chen-1995)	2.23E-05
		95% Modified-t UCL (Johnson-1978)	1.94E-05
Gamma GOF Test			
A-D Test Statistic	8.204	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.808	Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.323	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.13	Data Not Gamma Distributed at 5% Significance Level	
Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics			
k hat (MLE)	0.575	k star (bias corrected MLE)	0.555
Theta hat (MLE)	1.94E-05	Theta star (bias corrected MLE)	2.01E-05
nu hat (MLE)	59.82	nu star (bias corrected)	57.7
MLE Mean (bias corrected)	1.12E-05	MLE Sd (bias corrected)	1.50E-05
		Approximate Chi Square Value (0.05)	41.24
Adjusted Level of Significance	0.0454	Adjusted Chi Square Value	40.84
Assuming Gamma Distribution			
95% Approximate Gamma UCL	1.56E-05	95% Adjusted Gamma UCL	1.58E-05
Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.795	Shapiro Wilk Lognormal GOF Test	
		Data Not Lognormal at 10% Significance	
10% Shapiro Wilk P Value	2.75E-09	Level	
Lilliefors Test Statistic	0.222	Lilliefors Lognormal GOF Test	
		Data Not Lognormal at 10% Significance	
10% Lilliefors Critical Value	0.112	Level	
Data Not Lognormal at 10% Significance Level			
Lognormal Statistics			
Minimum of Logged Data	-13.68	Mean of logged Data	-12.48
Maximum of Logged Data	-8.436	SD of logged Data	1.086
Assuming Lognormal Distribution			
95% H-UCL	9.86E-06	90% Chebyshev (MVUE) UCL	1.04E-05
95% Chebyshev (MVUE) UCL	1.20E-05	97.5% Chebyshev (MVUE) UCL	1.43E-05
99% Chebyshev (MVUE) UCL	1.88E-05		
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution			
Nonparametric Distribution Free UCLs			
95% CLT UCL	1.87E-05	95% BCA Bootstrap UCL	2.38E-05
95% Standard Bootstrap UCL	1.87E-05	95% Bootstrap-t UCL	3.61E-05
95% Hall's Bootstrap UCL	4.23E-05	95% Percentile Bootstrap UCL	1.97E-05
90% Chebyshev(Mean, Sd) UCL	2.49E-05	95% Chebyshev(Mean, Sd) UCL	3.11E-05
97.5% Chebyshev(Mean, Sd) UCL	3.97E-05	99% Chebyshev(Mean, Sd) UCL	5.67E-05
Suggested UCL to Use			
95% Student's-t UCL	1.88E-05		

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

BACKGROUND HYPOTHESIS TEST RESULTS -SURFACE SOIL(0-1')

Gehan Sample 1 vs Sample 2 Comparison Hypothesis Test for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.2 7/14/2024 7:06:47 AM
From File	WorkSheet.xls
Full Precision	OFF
Confidence Coefficient	95%
Selected Null Hypothesis	Sample 1 Mean/Median <= Sample 2 Mean/Median (Form 1)
Alternative Hypothesis	Sample 1 Mean/Median > Sample 2 Mean/Median

Sample 1 Data: Silver(site)
Sample 2 Data: Silver(bkg)

NOTE: BKG for Upper and Lower Tuff used since no soil horizon data

Raw Statistics

	Sample 1	Sample 2
Number of Valid Data	46	113
Number of Missing Observations	3	0
Number of Non-Detects	12	112
Number of Detect Data	34	1
Minimum Non-Detect	0.0894	0.4

Maximum Non-Detect	0.112	2
Percent Non-detects	26.09%	99.12%
Minimum Detect	0.164	1.9
Maximum Detect	7.95	1.9
Mean of Detects	1.473	1.9
Median of Detects	0.739	1.9
SD of Detects	1.832	N/A
KM Mean	1.112	0.414
KM SD	1.667	0.146

Sample 1 vs Sample 2 Gehan Test

H0: Mean/Median of Sample 1 <= Mean/Median of background

Gehan z Test Value	6.068
Critical z (0.05)	1.645
P-Value	6.46E-10

Conclusion with Alpha = 0.05
Reject H0, Conclude Sample 1 > Sample 2
P-Value < alpha (0.05)

Wilcoxon-Mann-Whitney Sample 1 vs Sample 2 Comparison Test for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.2 7/14/2024 6:53:09 AM
From File	WorkSheet.xls
Full Precision	OFF
Confidence Coefficient	95%
Selected Null Hypothesis	Sample 1 Mean/Median <= Sample 2 Mean/Median (Form 1)
Alternative Hypothesis	Sample 1 Mean/Median > Sample 2 Mean/Median

Sample 1 Data: Barium(site)
Sample 2 Data: Barium(bkg)

Raw Statistics

	Sample 1	Sample 2
Number of Valid Data	46	173
Number of Missing Observations	3	0
Number of Non-Detects	0	0
Number of Detect Data	46	173
Minimum Non-Detect	N/A	N/A
Maximum Non-Detect	N/A	N/A
Percent Non-detects	0.00%	0.00%
Minimum Detect	44.4	21
Maximum Detect	3920	410
Mean of Detects	954.9	142.7
Median of Detects	710.5	130
SD of Detects	889.4	74.1

Wilcoxon-Mann-Whitney (WMW) Test

H0: Mean/Median of Sample 1 <= Mean/Median of Sample 2

Sample 1 Rank Sum W-Stat	8279
Standardized WMW U-Stat	8.429
Mean (U)	3979
SD(U) - Adj ties	381.8
Approximate U-Stat Critical Value (0.05)	1.645
P-Value (Adjusted for Ties)	0

Conclusion with Alpha = 0.05
Reject H0, Conclude Sample 1 > Sample 2

P-Value < alpha (0.05)

Gehan Sample 1 vs Sample 2 Comparison Hypothesis Test for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.2 7/14/2024 6:56:51 AM
From File	WorkSheet.xls
Full Precision	OFF
Confidence Coefficient	95%
Selected Null Hypothesis	Sample 1 Mean/Median <= Sample 2 Mean/Median (Form 1)
Alternative Hypothesis	Sample 1 Mean/Median > Sample 2 Mean/Median

Sample 1 Data: Cadmium(site)
Sample 2 Data: Cadmium(bkg)

Raw Statistics

	Sample 1	Sample 2
Number of Valid Data	46	39
Number of Missing Observations	3	0
Number of Non-Detects	31	36
Number of Detect Data	15	3
Minimum Non-Detect	0.0862	0.4
Maximum Non-Detect	0.119	2
Percent Non-detects	67.39%	92.31%
Minimum Detect	0.102	0.6
Maximum Detect	0.562	2.6
Mean of Detects	0.335	1.533
Median of Detects	0.33	1.4
SD of Detects	0.166	1.007
KM Mean	0.168	0.49
KM SD	0.148	0.381

Sample 1 vs Sample 2 Gehan Test

H0: Mean/Median of Sample 1 <= Mean/Median of background

Gehan z Test Value	0.709
Critical z (0.05)	1.645
P-Value	0.239

Conclusion with Alpha = 0.05
Do Not Reject H0, Conclude Sample 1 <= Sample 2
P-Value >= alpha (0.05)

Wilcoxon-Mann-Whitney Sample 1 vs Sample 2 Comparison Test for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.2 7/14/2024 6:58:48 AM
From File	WorkSheet.xls
Full Precision	OFF
Confidence Coefficient	95%
Selected Null Hypothesis	Sample 1 Mean/Median <= Sample 2 Mean/Median (Form 1)
Alternative Hypothesis	Sample 1 Mean/Median > Sample 2 Mean/Median

Sample 1 Data: Copper(site)
Sample 2 Data: Copper(bkg)

Raw Statistics

	Sample 1	Sample 2
Number of Valid Data	36	174
Number of Missing Observations	13	0
Number of Non-Detects	0	2
Number of Detect Data	36	172

Minimum Non-Detect	N/A	0.5
Maximum Non-Detect	N/A	0.5
Percent Non-detects	0.00%	1.15%
Minimum Detect	2.64	0.6
Maximum Detect	15.8	16
Mean of Detects	6.809	6.125
Median of Detects	6.37	5.8
SD of Detects	3.057	2.523

Wilcoxon-Mann-Whitney (WMW) Test

H0: Mean/Median of Sample 1 <= Mean/Median of Sample 2

Sample 1 Rank Sum W-Stat	4180
Standardized WMW U-Stat	1.15
Mean (U)	3132
SD(U) - Adj ties	331.8
Approximate U-Stat Critical Value (0.05)	1.645
P-Value (Adjusted for Ties)	0.125

Conclusion with Alpha = 0.05
Do Not Reject H0, Conclude Sample 1 <= Sample 2
P-Value >= alpha (0.05)

Gehan Sample 1 vs Sample 2 Comparison Hypothesis Test for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.2 7/14/2024 7:02:52 AM
From File	WorkSheet.xls
Full Precision	OFF
Confidence Coefficient	95%
Selected Null Hypothesis	Sample 1 Mean/Median <= Sample 2 Mean/Median (Form 1)
Alternative Hypothesis	Sample 1 Mean/Median > Sample 2 Mean/Median

Sample 1 Data: Selenium(site)
Sample 2 Data: Selenium(bkg)

Raw Statistics

	Sample 1	Sample 2
Number of Valid Data	46	39
Number of Missing Observations	3	0
Number of Non-Detects	15	18
Number of Detect Data	31	21
Minimum Non-Detect	0.32	0.2
Maximum Non-Detect	0.59	0.3
Percent Non-detects	32.61%	46.15%
Minimum Detect	0.508	0.3
Maximum Detect	2.03	1.7
Mean of Detects	1.003	0.733
Median of Detects	0.902	0.7
SD of Detects	0.408	0.38
KM Mean	0.787	0.487
KM SD	0.454	0.38

Sample 1 vs Sample 2 Gehan Test

H0: Mean/Median of Sample 1 <= Mean/Median of background

Gehan z Test Value	2.809
Critical z (0.05)	1.645
P-Value	0.00249

Conclusion with Alpha = 0.05
Reject H0, Conclude Sample 1 > Sample 2
P-Value < alpha (0.05)

Wilcoxon-Mann-Whitney Sample 1 vs Sample 2 Comparison Test for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.2 7/14/2024 7:11:25 AM
From File	WorkSheet.xls
Full Precision	OFF
Confidence Coefficient	95%
Selected Null Hypothesis	Sample 1 Mean/Median <= Sample 2 Mean/Median (Form 1)
Alternative Hypothesis	Sample 1 Mean/Median > Sample 2 Mean/Median

Sample 1 Data: Zinc(site)
Sample 2 Data: Zinc(bkg)

Raw Statistics

	Sample 1	Sample 2
Number of Valid Data	36	172
Number of Missing Observations	13	0
Number of Non-Detects	0	0
Number of Detect Data	36	172
Minimum Non-Detect	N/A	N/A
Maximum Non-Detect	N/A	N/A
Percent Non-detects	0.00%	0.00%
Minimum Detect	20.1	14
Maximum Detect	248	75.5
Mean of Detects	49.86	31.52
Median of Detects	38.8	30.75
SD of Detects	41.57	9.002

Wilcoxon-Mann-Whitney (WMW) Test

H0: Mean/Median of Sample 1 <= Mean/Median of Sample 2

Sample 1 Rank Sum W-Stat	5063
Standardized WMW U-Stat	3.962
Mean (U)	3096
SD(U) - Adj ties	328.2
Approximate U-Stat Critical Value (0.05)	1.645
P-Value (Adjusted for Ties)	3.71E-05

Conclusion with Alpha = 0.05
Reject H0, Conclude Sample 1 > Sample 2
P-Value < alpha (0.05)

DEEP (0-10') SOIL DATA
Wilcoxon-Mann-Whitney Sample 1 vs Sample 2 Comparison Test for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.2 7/14/2024 9:59:36 AM
From File	LANL BKG dataset with site data for ProUCL DEEP.xls
Full Precision	OFF
Confidence Coefficient	95%
Selected Null Hypothesis	Sample 1 Mean/Median <= Sample 2 Mean/Median (Form 1)
Alternative Hypothesis	Sample 1 Mean/Median > Sample 2 Mean/Median

Sample 1 Data: Barium(site)
Sample 2 Data: Barium(bkg)

Raw Statistics

	Sample 1	Sample 2

Number of Valid Data		52	173
Number of Missing Observations		3	0
Number of Non-Detects		0	0
Number of Detect Data		52	173
Minimum Non-Detect	N/A		N/A
Maximum Non-Detect	N/A		N/A
Percent Non-detects		0.00%	0.00%
Minimum Detect		44.4	21
Maximum Detect		4160	410
Mean of Detects		1083	142.7
Median of Detects		740.5	130
SD of Detects		1002	74.1

Wilcoxon-Mann-Whitney (WMW) Test

H0: Mean/Median of Sample 1 <= Mean/Median of Sample 2

Sample 1 Rank Sum W-Stat	9592
Standardized WMW U-Stat	9.029
Mean (U)	4498
SD(U) - Adj ties	411.5
Approximate U-Stat Critical Value (0.05)	1.645
P-Value (Adjusted for Ties)	0

Conclusion with Alpha = 0.05
Reject H0, Conclude Sample 1 > Sample 2
P-Value < alpha (0.05)

Gehan Sample 1 vs Sample 2 Comparison Hypothesis Test for Data Sets with Non-Detects

User Selected Options		
Date/Time of Computation	ProUCL 5.2 7/14/2024 10:18:06 AM	
From File	LANL BKG dataset with site data for ProUCL DEEP.xls	
Full Precision	OFF	
Confidence Coefficient		95%
Selected Null Hypothesis	Sample 1 Mean/Median <= Sample 2 Mean/Median (Form 1)	
Alternative Hypothesis	Sample 1 Mean/Median > Sample 2 Mean/Median	

Sample 1 Data: Cadmium(site)
Sample 2 Data: Cadmium(bkg)

Raw Statistics

	Sample 1	Sample 2
Number of Valid Data	52	39
Number of Missing Observations	3	0
Number of Non-Detects	37	36
Number of Detect Data	15	3
Minimum Non-Detect	0.0859	0.4
Maximum Non-Detect	0.119	2
Percent Non-detects	71.15%	92.31%
Minimum Detect	0.102	0.6
Maximum Detect	0.562	2.6
Mean of Detects	0.335	1.533
Median of Detects	0.33	1.4
SD of Detects	0.166	1.007
KM Mean	0.158	0.49
KM SD	0.142	0.381

Sample 1 vs Sample 2 Gehan Test

H0: Mean/Median of Sample 1 <= Mean/Median of background

Gehan z Test Value	0.528
Critical z (0.05)	1.645
P-Value	0.299

Conclusion with Alpha = 0.05
Do Not Reject H0, Conclude Sample 1 <= Sample 2
P-Value >= alpha (0.05)

Wilcoxon-Mann-Whitney Sample 1 vs Sample 2 Comparison Test for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.2 7/14/2024 10:21:33 AM
From File	LANL BKG dataset with site data for ProUCL DEEP.xls
Full Precision	OFF
Confidence Coefficient	95%
Selected Null Hypothesis	Sample 1 Mean/Median <= Sample 2 Mean/Median (Form 1)
Alternative Hypothesis	Sample 1 Mean/Median > Sample 2 Mean/Median

Sample 1 Data: Copper(site)
Sample 2 Data: Copper(bkg)

Raw Statistics

	Sample 1	Sample 2
Number of Valid Data	42	174
Number of Missing Observations	13	0
Number of Non-Detects	0	2
Number of Detect Data	42	172
Minimum Non-Detect	N/A	0.5
Maximum Non-Detect	N/A	0.5
Percent Non-detects	0.00%	1.15%
Minimum Detect	2.57	0.6
Maximum Detect	15.8	16
Mean of Detects	6.888	6.125
Median of Detects	6.505	5.8
SD of Detects	3.017	2.523

Wilcoxon-Mann-Whitney (WMW) Test

H0: Mean/Median of Sample 1 <= Mean/Median of Sample 2

Sample 1 Rank Sum W-Stat	5097
Standardized WMW U-Stat	1.483
Mean (U)	3654
SD(U) - Adj ties	363.5
Approximate U-Stat Critical Value (0.05)	1.645
P-Value (Adjusted for Ties)	0.0691

Conclusion with Alpha = 0.05
Do Not Reject H0, Conclude Sample 1 <= Sample 2
P-Value >= alpha (0.05)

Wilcoxon-Mann-Whitney Sample 1 vs Sample 2 Comparison Test for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.2 7/14/2024 10:25:32 AM
From File	ProUCL BKG_a.xls
Full Precision	OFF
Confidence Coefficient	95%
Selected Null Hypothesis	Sample 1 Mean/Median <= Sample 2 Mean/Median (Form 1)
Alternative Hypothesis	Sample 1 Mean/Median > Sample 2 Mean/Median

Sample 1 Data: Selenium(site)

Sample 2 Data: Selenium(bkg)

Raw Statistics

	Sample 1	Sample 2
Number of Valid Data	52	39
Number of Missing Observations	3	0
Number of Non-Detects	15	18
Number of Detect Data	37	21
Minimum Non-Detect	0.32	0.2
Maximum Non-Detect	0.59	0.3
Percent Non-detects	28.85%	46.15%
Minimum Detect	0.421	0.3
Maximum Detect	2.03	1.7
Mean of Detects	0.953	0.733
Median of Detects	0.895	0.7
SD of Detects	0.403	0.38

WMW test is meant for a Single Detection Limit Case
Use of Gehan or T-W test is suggested when multiple detection limits are present
All observations <= 0.59 (Max DL) are ranked the same

Wilcoxon-Mann-Whitney (WMW) Test

H0: Mean/Median of Sample 1 <= Mean/Median of Sample 2

Sample 1 Rank Sum W-Stat	2720
Standardized WMW U-Stat	2.815
Mean (U)	1014
SD(U) - Adj ties	124.7
Approximate U-Stat Critical Value (0.05)	1.645
P-Value (Adjusted for Ties)	0.00244

Conclusion with Alpha = 0.05
Reject H0, Conclude Sample 1 > Sample 2
P-Value < alpha (0.05)

Gehan Sample 1 vs Sample 2 Comparison Hypothesis Test for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.2 7/14/2024 10:30:44 AM
From File	LANL BKG dataset with site data for ProUCL DEEP.xls
Full Precision	OFF
Confidence Coefficient	95%
Selected Null Hypothesis	Sample 1 Mean/Median <= Sample 2 Mean/Median (Form 1)
Alternative Hypothesis	Sample 1 Mean/Median > Sample 2 Mean/Median

Sample 1 Data: Silver(site)
Sample 2 Data: Silver(bkg)

Note: the bkg data set is upper and lower tuff since no All H (soil horizon) data

Raw Statistics

	Sample 1	Sample 2
Number of Valid Data	53	113
Number of Missing Observations	2	0
Number of Non-Detects	13	112
Number of Detect Data	40	1
Minimum Non-Detect	0.0894	0.4
Maximum Non-Detect	1.5	2
Percent Non-detects	24.53%	99.12%
Minimum Detect	0.128	1.9
Maximum Detect	7.95	1.9
Mean of Detects	1.533	1.9
Median of Detects	0.804	1.9
SD of Detects	1.775	N/A

KM Mean	1.186	0.414
KM SD	1.642	0.146

Sample 1 vs Sample 2 Gehan Test

H0: Mean/Median of Sample 1 <= Mean/Median of background

Gehan z Test Value	6.503
Critical z (0.05)	1.645
P-Value	3.94E-11

Conclusion with Alpha = 0.05
Reject H0, Conclude Sample 1 > Sample 2
P-Value < alpha (0.05)

Wilcoxon-Mann-Whitney Sample 1 vs Sample 2 Comparison Test for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.2 7/14/2024 10:34:52 AM
From File	ProUCL BKG_a.xls
Full Precision	OFF
Confidence Coefficient	95%
Selected Null Hypothesis	Sample 1 Mean/Median <= Sample 2 Mean/Median (Form 1)
Alternative Hypothesis	Sample 1 Mean/Median > Sample 2 Mean/Median

Sample 1 Data: Zinc(site)
Sample 2 Data: Zinc(bkg)

Raw Statistics

	Sample 1	Sample 2
Number of Valid Data	42	172
Number of Missing Observations	13	0
Number of Non-Detects	0	0
Number of Detect Data	42	172
Minimum Non-Detect	N/A	N/A
Maximum Non-Detect	N/A	N/A
Percent Non-detects	0.00%	0.00%
Minimum Detect	14.3	14
Maximum Detect	248	75.5
Mean of Detects	52.06	31.52
Median of Detects	41.3	30.75
SD of Detects	42.05	9.002

Wilcoxon-Mann-Whitney (WMW) Test

H0: Mean/Median of Sample 1 <= Mean/Median of Sample 2

Sample 1 Rank Sum W-Stat	6103
Standardized WMW U-Stat	4.415
Mean (U)	3612
SD(U) - Adj ties	359.6
Approximate U-Stat Critical Value (0.05)	1.645
P-Value (Adjusted for Ties)	5.05E-06

Conclusion with Alpha = 0.05
Reject H0, Conclude Sample 1 > Sample 2
P-Value < alpha (0.05)

Attachment 7

Closure Certification Report with Editing Marks

Los Alamos National Laboratory Closure Certification Report for Open Burning Treatment Unit Technical Area 16-399 Burn Tray, Revision 1

Facility ID No.:	NM0890010515
Facility Name:	Los Alamos National Laboratory
Legal Owner:	U.S. Department of Energy
Legal Operators:	U.S. Department of Energy National Nuclear Security Administration Los Alamos Field Office 3747 West Jemez Road, A316 Los Alamos, New Mexico, 87544 Environmental Protection & Compliance Division Los Alamos National Laboratory P.O. Box 1663, MS ~~K491~~M969 Los Alamos, NM 87545
Date:	~~February 2020~~August 2024

LA-UR-~~20-20437~~24-XXXXX

Table of Contents

~~1 Introduction ..... 3~~
~~1.1 Description of the Unit ..... 3~~
~~2 Closure Performance ..... 5~~
~~2.1 Deviations from the Revised Closure Plan ..... 5~~
~~2.2 Closure Activities ..... 5~~
~~2.2.1 Structural Assessment ..... 5~~
~~2.2.2 Removal of Structures and Equipment ..... 6~~
~~2.2.3 Soil Sampling ..... 6~~
~~2.2.4 Laboratory Analysis ..... 7~~
~~2.3 Risk Assessment ..... 10~~
~~2.4 Removal of Soil and Subsequent Sampling and Analysis ..... 11~~
~~2.5 Disposal or Decontamination of Equipment, Structures, and Soils ..... 11~~
~~2.6 Location of Supporting Documentation ..... 12~~
~~2.7 Statement of Quality Assurance/Quality Control Adequacy ..... 12~~
~~3 Conclusions ..... 13~~
~~4 Certification ..... 14~~
~~4.1 Certification of Accuracy ..... 14~~
~~4.2 Independent Registered Professional Engineer's Certification ..... 15~~
~~5 References ..... 16~~

1 Introduction 5
1.1 Description of the Unit 5
1.2 Closure Activities and Closure Plan Revision History 6
2 Closure Performance 8
2.1 Additions and Deviations from the Closure Plan 8
2.1.1 Deviations and Additions from Closure Plan Open Burning Treatment Unit Technical Area 16-399 Burn Tray 8
2.1.2 Deviations from Amended Closure Plan Open Burning Treatment Unit Technical Area 16-399 Burn Tray, Revision 2 9

2.2 Closure Activities 9
2.2.1 Structural Assessment 9
2.2.2 Removal of Structures and Equipment 9
2.2.3 Soil Sampling 10
2.2.4 Laboratory Analysis 11
2.3 Initial Removal of Soil and Verification Sampling 16
2.4 Additional Removal of Soil and Verification Sampling 17
2.5 Excavation Activities After Amendment to Closure Plan 18
2.6 Risk Assessment 18
2.6.1 Revision 0.0 in February 2020 18
2.6.2 Revision 1.0 in February 2021 18
2.6.3 Revision 2.0 in January 2024 19
2.6.4 Revision 3.0 in July 2024 19
2.7 Disposal or Decontamination of Equipment, Structures, and Soils 20
2.8 Location of Supporting Documentation 21
2.9 Statement of Quality Assurance/Quality Control Adequacy 21
3 Conclusions 22
4 Certification 24
4.1 Certification of Accuracy 24
4.2 Independent Registered Professional Engineer's Certification 25
5 References 26

List of Tables

Table 1 Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

List of Figures

Figure 1 Closure Plan Sample Locations at the TA-16-399 Burn Tray
Figure 2 ~~TA-16-399 Detected Explosives Concentrations~~Sampling Locations for TA-16-399 Closure Certification 2009 through 2024
Figure 3 Final TA-16-399 ~~Detected Metals above Background~~Soil Concentrations for Explosives in milligrams per kilogram (mg/kg)
Figure 4 Final TA-16-399 ~~Detected Nitrate~~Soil Concentrations for Nitrates, Perchlorates and Metals Detected above Background Values in milligrams per kilogram (mg/kg)
Figure 5 ~~TA-16-399 Detected Other Organic Compounds~~ Final TA-16-399 Soil Concentrations for Toxic Equivalency (TEQ) Values of Dioxin/Furan Congeners in milligrams per kilogram (mg/kg)
Figure 6 ~~Diagram of Soil Excavation Boundaries and Location and Concentration of Confirmation Soil Samples~~TA-16-399 Soil Concentrations for PFAS in milligrams per kilogram (mg/kg)

List of Attachments

Attachment 1 Photographs Prior to Equipment/Structure Removal
Attachment 2 Photographs of Removal of Equipment/Structures
Attachment 3 Summary of Analytical Data ~~for Closure of the TA-~~Utilized in Technical Area 16-399 Burn Tray Human Health and Ecological Risk-Screening Assessments Revision 3.0
Attachment 4 Compact Disc including Additional Information and Data Tables in Support of the Closure of the TA-16-399 Burn Tray
Attachment 5 ~~Technical Area 16-399 Burn Tray Human Health and Ecological Risk Screening Assessments~~Photographs of Removal of Soil and Confirmation Soil Sampling Activities in 2019, 2021, 2023, and 2024

Attachment 6 ~~Photographs of Removal of Soil and Confirmation Soil Sampling Activities~~Technical Area 16-399 Burn Tray Human Health and Ecological Risk Screening Assessments, Revision 3.0

Attachment 7 ~~TA-16-399 Analytical Results after Excavation~~Closure Certification Report with Editing Marks

1 Introduction

This closure certification report summarizes the activities performed to meet Resource Conservation and Recovery Act (RCRA) closure requirements for an interim status open burning treatment unit at Technical Area (TA) 16 at the Los Alamos National Laboratory (LANL or the Facility). The TA-16-399 Burn Tray (Solid Waste Management Unit 16-010(d)) is listed in the LANL Hazardous Waste Facility Permit, Attachment K, Table K-1, *SWMUs and AOCs Requiring Corrective Actions* as requiring corrective action. The TA-16-399 Burn Tray was used for treatment of high explosives waste generated by the high explosives production and testing facilities at LANL under the regulations at Title 40 of the Code of Federal Regulations (40 CFR), Part 265, Subpart P, *Thermal Treatment*.

The need for thermal treatment operations at the Laboratory has decreased through the careful ~~scrutiny~~consideration of waste generating operations ~~and as~~. As a result ~~any~~, all necessary open burning treatments of waste explosives are managed at a single unit for the Facility. Additionally, the need for the type of waste treatment previously conducted the TA-16-399 Burn Tray ~~has been~~was phased out utilizing waste minimization techniques and identifying other uses for explosives that were once ~~were~~treated as waste at this location.

Closure activities were conducted in accordance with the New Mexico Environment Department – Hazardous Waste Bureau (NMED-HWB) approved closure plan, *Closure Plan Open Burning Treatment Unit Technical Area 16-399 Burn Tray, January 2019* (NMED, 2019a~~)~~), and ~~any~~as amended (NMED, 2022a; NMED, 2023a; NMED, 2023b; and NMED, 2024). All additions and deviations are documented ~~herein~~in this certification report. Triad National Security, LLC and the U.S. Department of Energy (together named as the Permittees) provide this certification report ~~as documentation~~ of the clean closure of the hazardous waste management unit at the TA-16-399 Burn Tray.

1.1 Description of the Unit

TA-16 is ~~located~~ in the southwestern quadrant of the Facility at the west end of the Pajarito Plateau near the foothills of the Jemez Mountains. Elevation ranges from approximately 7,700 feet at the west end of the TA to approximately 6,800 feet at the lower east end. Topography is varied, ranging from steep canyon walls to sloping mesa tops. The open burning units at LANL ~~were~~are both located at the TA-16 ~~Burn~~Burning Ground and ~~consisted~~consist of the TA-16-388 Flash Pad and the TA-16-399 Burn Tray. The TA-16-388 Flash Pad is still in use today.

The TA-16-399 Burn Tray was comprised of a four~~-~~foot wide by 16~~-~~foot~~-~~long steel tray supported by 1.5-foot-high legs and was lined with firebricks. The maximum treatment capacity of the TA-16-399 Burn Tray was 1,000 pounds of waste per burn. The TA-16-399 Burn Tray was used to treat a single waste stream by open burning to destroy the characteristic of reactivity (D003). The bulk explosives of the waste stream ~~consisted of explosives including:~~included: cyclotrimethylene trinitramine (RDX); octahydro-1,3,5,7- tetranitro-1,3,5,7- tetrazocine (HMX); 2,4,6- trinitrotoluene (TNT); and triamino trinitrobenzene (TATB). Additionally, mixtures of explosives treated include~~:~~ ammonium nitrate-fuel oil (ANFO), Composition B, Cyclotol, IMX-101, PBX 9404, PBX 9407, PBX 9501, PBX 9502, PBX 9601, X0233, X0533, XTX 8003, XTX 8004, LX-02, LX-07, LX-10 and LX-14.

The waste explosives were packed in cardboard and wooden boxes and carefully transported to the unit for treatment. After the cover was rolled back from the tray, padding was placed on the tray while the explosives were removed from the boxes and set on the padding. The padding was then dampened with kerosene. Approximately one-half gallon of kerosene was used during each treatment event. Electric matches (*e.g.*, squibs) were then connected to the firing cables and a train of excelsior saturated with kerosene was run from the squibs to the padding for ignition. Ignition for all open burning treatment events occurred remotely from athe control building. The waste was allowed to burn on its own accord while being observed from the control building. After the burn was complete, the tray was allowed to cool before the burn tray cover was put back in place. Any residue or remaining ash was removed from the tray no earlier than 24 hours after treatment. Treatment methods at this unit were consistent throughout the life of the unit.

The burn tray operated as a treatment unit prior to 1980 through July 18, 2012. Generally, treatment events ranged in volume from 30 pounds to 350 pounds. ApproximatelySince 1980, approximately 255,685 pounds of waste was treated at the TA-16-399 Burn Tray since 1980. The .

1.2 Closure Activities and Closure Plan Revision History

This discussion is provided to outline of the revisions necessary to the closure plan and closure activities. Closure activities, as outlined in the original closure plan (NMED, 2019a), were conducted from February 2019 through September 2019. Soil concentrations for data collected in 2019 were lower than the established residential soil screening levels when compared directly to the screening levels. However, risk assessments concluded that cumulative risk remained above residential risk levels. With the NMED-HWB approval, and prior to the submittal of the original closure certification report, further soil removal activities were conducted, and additional soil samples were collected within the excavated area and analyzed for explosives. The detected concentrations confirmed that the risk levels in the area associated with explosives were decreased. The report, *Transmittal of Closure Certification Report for Technical Area 16-399 Open Burn Unit Los Alamos National Laboratory EPA ID #NM0890010515*, was submitted on February 20, 2020 (LANL, 2020) to the NMED-HWB. The report included the risk assessment with cumulative risk calculations above residential screening levels, descriptions of soil removal activities, and subsequent sample collection that decreased cumulative risk calculations. The report concluded that potential risk posed to human health and several ecological risk receptors was acceptable. The NMED-HWB's review of the closure certification report (NMED, 2020), determined that revised risk assessments were necessary to determine if the results met clean closure requirements and included comments regarding the risk evaluations.

In response to the NMED-HWB's review and subsequent disapproval of the initial closure certification report, the Permittees prepared a report titled *Response to the Disapproval Closure Certification Report for Technical Area 16-399 Open Burn Unit, Los Alamos National Laboratory, EPA ID#NM0890010515* (LANL, 2021b) and submitted it to the NMED-HWB in March 2021. The revised risk assessment included addition of analytical data collected at the site from 2009-2013 and updated the risk analyses based on the larger amount of analytical data. The revised assessment calculated a human health cancer risk of 2E-05 and a Hazard Index (HI) for noncancer risk of 3. The NMED-HWB issued a second disapproval letter on May 25, 2021. The disapproval included further comments for consideration to potentially decrease the calculated risk levels. After integrating the NMED-HWB's comments into the risk

assessment and discussion with the NMED-HWB technical staff, it was determined that further soil removal was the best path forward to achieve clean closure expectations. On August 3, 2021, the NMED-HWB approved the proposed path forward of further soil removal (NMED, 2021c).

In November and December 2021, the Permittees excavated soil from two separate areas to remove soils with elevated concentrations of high explosives compounds and dioxins/furans, which were the identified contributors to the elevated risk. After soil removal, confirmation sampling demonstrated a decreased risk attributed to dioxins/furans in the overall area of the TA-16 Burning Grounds. However, unexpectedly high concentrations of barium and high explosives concentrations were present directly under the location of the former burn tray.

In early January 2022, the Permittees informed the NMED-HWB of the findings and proposed that an amendment to the closure plan was necessary to move forward due to the unexpected concentrations of explosives and barium within the fenced area at the unit. The Permittees provided formal notification of the closure plan amendment (LANL, 2022a), and after confirmation from the NMED-HWB (NMED, 2022a), a Class 2 permit modification was submitted and processed (LANL, 2022b and NMED, 2022b), resulting in the *Amended Closure Plan Open Burning Treatment Unit Technical Area 16-399 Burn Tray* ~~was operated as a treatment unit prior to 1980 through July 18, 2012.~~, *Revision 2*.

The planning and coordination of excavators, bins, trucks, and personnel to safely complete the closure activities outlined in Revision 2 of the closure plan took more time than anticipated. Additionally, scheduling of waste shipments, in coordination with space constraints for accumulation at the site and the disposal facility's ability to accept waste volumes, provided for additional complications to the project execution.

A total of 15 excavation events within the fenced area at the location of the former burn tray began on May 8, 2023, and the last excavation activity occurred on April 24, 2024. A total of 55 waste containers were sent to U.S. Ecology Nevada, Inc. in Nevada for treatment and disposal. Final soil verification sample collection occurred on May 14, 2024. Completion of the closure activities necessitated NMED-HWB approval of three additional requests for extension of time (NMED, 2023a; NMED, 2023b; and NMED, 2024).

This report, *Los Alamos National Laboratory Closure Certification Report for Open Burning Treatment Unit Technical Area 16-399 Burn Tray, Revision 1*, provides a summation of all field activities, soil laboratory analyses, and assessments performed to support clean closure of the open burning unit at the TA-16-399 Burn Tray.

2 Closure Performance

This section and subsections of this closure certification report include a description of the closure activities, deviations from the approved closure plan, results of sampling and ~~analysis~~analyses, treatment of the explosives-contaminated noncombustible debris, recycled materials, a summarization of disposition of ~~nonhazardous~~ waste, location of supporting documentation, and discussion of quality assurance and quality control. All closure activities were conducted in accordance with the approved closure plan (NMED, 2019a~~)~~), and as amended (NMED, 2022a; NMED, 2023a; NMED, 2023b; and NMED, 2024). Additions and deviations from the closure plan are documented in this report.

2.1 Additions and Deviations from the ~~Revised~~ Closure Plan

Because the closure plan was revised after some closure activities had been completed, the additions and deviations are described for each closure plan revision.

Descriptions of deviations from the approved plan are presented in the appropriate subsections, as indicated below. Discussions with NMED regarding the additions and deviations described in this closure certification report were conducted as presented in the extension requests, approvals, disapprovals, and responses to disapprovals included in referenced documents (LANL, 2019b; NMED, 2019c; LANL, 2019c; NMED, 2019d; NMED, 2020; LANL, 2021a; NMED, 2021a; LANL, 2021b; NMED, 2021b; LANL, 2021c; NMED, 2021c; NMED, 2022a; NMED, 2023a; NMED, 2023b; and NMED, 2024).

2.1.1 Deviations and Additions from Closure Plan Open Burning Treatment Unit Technical Area 16-399 Burn Tray

The closure of the TA-16-399 Burn Tray was performed in accordance with the revised closure plan, ~~with the exception of~~except for additions and deviations from the approved closure plan ~~which~~, discussed in the following sections, to include:

- Notes regarding collection of tuff subsurface samplings as discussed in Section 2.2.3;
- Laboratory analytical method equivalencies (Section 2.2.4);
- Nitrate samples were not collected, and a duplicate sample was not collected in November 2021 (Section 2.2.3.1);
- Laboratory holding times which caused recollection of samples and missing analyte analysis (tetryl) (Sections 2.2.4 and 2.2.4.1.~~2~~1);
- ~~Nitrate samples not collected (Sections 2.2.3.1 and 2.2.4.1.1); and~~
- ~~Soil~~Three soil excavation ~~(Section 2.4).~~
- ~~Descriptions~~events and subsequent soil sampling prior to revision of ~~each of these deviations are presented in~~ the ~~appropriate subsections, as indicated above. Discussions with NMED regarding the deviations described in this~~approved closure ~~certification report were conducted as presented in the extension requests and approvals included in referenced documents (LANL, 2019b; NMED, 2019c; LANL, 2019c; and NMED, 2019d).~~plan (Sections 2.3, 2.4); and
- Inclusion of historic analytical information within the revised risk assessments (Section 2.5).

2.1.2 Deviations from Amended Closure Plan Open Burning Treatment Unit Technical Area 16-399 Burn Tray, Revision 2

The following is a list of deviations and changes from the closure plan approved on September 6, 2022 (NMED, 2022b).

- Notes regarding collection of tuff subsurface samplings as discussed in Section 2.2.3;
- Confirmation of the analysis method for PFAS, which were added as constituents of concern due to public comment (Section 2.2.4); and
- A duplicate sample was not collected in November 2021 (Section 2.2.3.1).

2.2 Closure Activities

Closure activities for the TA-16-399 Burn Tray began on February 28, 2019, with the submittal of a request to initiate the collection of soil samples for analysis at an off-site analytical laboratory. Closure activities were performed in accordance with the approved closure plan and subsequent coordination with the NMED~~. Closure activities concluded when the soil sampling analytical results from~~ HWB. Because of the ~~soil confirmation~~amendment of the closure plan (NMED, 2022b), it was determined by the NMED-HWB that the collection of samples ~~were confirmed to be below~~at all the closure plan identified ~~residential soil screening levels~~locations would reoccur. The following provides a description of each activity proposed in the closure plan as well as additional closure activities and evaluations conducted to meet the closure performance standard.

2.2.1 Structural Assessment

As required by the closure plan, the structural assessment with the NMED-HWB was conducted on July 19, 2012. Correspondence (LANL, 2019a) regarding the structural assessment was sent to the NMED-HWB in February 2019 and included a commitment by the Permittees to include photographs of the TA-16-399 Burn Tray prior to removal within the closure certification report. On April 22, 2019, photographs were taken of the TA-16-399 Burn Tray and the surrounding area to document the state of the unit's physical condition prior to commencement of the removal of structures and equipment. Photographs 1 through 6 within Attachment 1, *Photographs Prior to Equipment/Structure Removal* of this closure certification report depict the undisturbed area.

2.2.2 Removal of Structures and Equipment

Demolition activities were systematically conducted on April 22, 2019. Electricity was confirmed to be ~~off~~de-energized at the electric box located directly in front of the TA-16-399 Burn Tray, then the burn tray equipment (including the electric box) was removed. The burn tray tracks, rubber matting under the tracks, burn tray cover, firebrick, and the burn tray were removed from the site and placed in waste containers or covered with tarps to be protected from weather according to the appropriate waste characterization for each item. A central accumulation area was set up for the waste items that required treatment via flashing at the TA-16-388 Flash Pad prior to disposal or recycling. Items that required treatment were the steel tray, firebrick, and sand. The concrete pad was broken up in place and placed in a pile for characterization. After sampling and analysis confirmed the debris was a non-hazardous waste, the concrete was disposed of at a construction and demolition landfill. Photographs 7 through 16 within Attachment 2, *Photographs of Removal of Equipment/Structures,* depict the area during and

immediately after removal of the equipment and structures. All demolition activities were completed on April 22, 2019.

2.2.3 Soil Sampling

This section includes information regarding soil sample collection. Discussions associated with soil laboratory analysis are included in Section 2.2.4 and quality control/quality assurance in Section 2.7. Table 1, *Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray*, provides a summary of all samples evaluated for use as part of this closure process. A description of the original reasoning for sample collection, as well as reasoning why a sample was not included in the risk evaluations are also provided in the summary table. Figure 2 includes a depiction of the locations ultimately included with the risk assessments. The soil sample collection procedures described herein only detail the activities conducted from 2019 to the present, as samples collected prior to that date may have followed different procedures and were not collected under the observation of the independent professional engineer. All required subsurface samples were collected with the intention of reaching the tuff or the soil/tuff interface as much as practicable with an auger or a shovel. Final verification samples within the excavated area included crushed tuff, as the excavation in most areas reached tuff. While this is not considered a deviation from the approved closure plan, it is noted for context.

2.2.3.1 Soil Sampling

~~Three~~Eight soil sample collection events were conducted for the closure of the TA-16-399 Burn Tray. A duplicate sample was collected on each day of soil sample collection activities~~.~~ except for November 17, 2021, and April 24, 2024 (described in Section 2.4).

Initial soil sample collection was completed on May 7, 2019. As prescribed by the original closure plan, 16 soil samples (including one duplicate sample) were collected from 11 locations at and surrounding the TA-16-399 Burn Tray (Figure 1).

Due to ~~unacceptable recoveries (out~~the analytical laboratory's exceedance of holding ~~time)~~times and unacceptable calculated relative percent difference ~~criteria~~ in the initial laboratory soil analysis, resampling activities were conducted on August 6, 2019. ~~Soil~~11 soil samples and a duplicate sample were collected ~~and~~ to be analyzed for specific analytical suites ~~for 11 soil samples were analyzed or re-analyzed by the laboratory. The soil analytical laboratory results are qualified accordingly in the results table (Table 1, Summary of Analytical Data for Closure of the TA-16-399 Burn Tray) included as Attachment 3.~~. Section 4.2 of the approved closure plan required that completion of closure activities be conducted within 180 days of the beginning of closure. Closure activities for the unit began on February 28, 2019; however, due to the ~~need~~necessity to resample soils, a 30-day extension ~~request~~ was requested and granted to complete closure activities by September 26, 2019 (LANL, 2019b and NMED, 2019c).

The ~~final soil sample event for~~third soil confirmation sample collection was completed on December 4, 2019, after soil was removed from a portion of the site as described in Section 2.~~4,~~3, *Initial Removal of Soil and ~~Subsequent~~Verification Sampling*.

The fourth and ~~*Analysis.*~~ fifth soil sampling events occurred on November 17, 2021, and December 1, 2021, after soil was removed from two locations at the site as described in Section 2.4.1, *2021 Additional Removal of Soil and Verification Sampling*. Sixteen samples were collected from two excavated locations. Because the two excavations were not conducted on the same day, a duplicate sample on November 17, 2021, was inadvertently not collected. The sample locations within the excavated fenced area were later excavated as part of the 2023 and 2024 closure activities.

The final three soil sampling events occurred on August 16, 2023, October 26, 2023, and May 14, 2024. These soil samples were collected from 11 locations outlined in the original approved closure plan (NMED, 2019a), at and surrounding the TA-16-399 Burn Tray. Three locations were added as part of the revision of the approved closure plan (NMED, 2022a), as baseline locations for per- and polyfluoroalkyl substances (PFAS). Additional verification sample locations were also required as part of the revised closure plan (NMED, 2022a). On August 16, 2023, fifteen soil samples (including 1 duplicate sample) were collected from nine locations outside of the fenced area at the TA-16-399 Burn Tray. On October 26, 2023, 14 soil samples (including one duplicate sample) were collected from within the fenced area at five closure plan dictated locations, and seven chosen verification sample locations. Five locations for verification samples were within the excavated area, and two were located just outside the excavated area. Lastly, four soil samples were collected on May 14, 2024, after a final excavation was determined to be necessary to complete closure activities. Two soil samples were collected from former verification sample locations, one sample from an additional location within the excavated area, and one sample outside the excavated area. A duplicate sample was not collected on this day.

All soil samples were collected as specified in the soil collection procedures outlined in Section 6.1.1 of the approved closure plan (NMED, 2019a~~).~~) and subsequent amendments as appropriate (NMED, 2022a; NMED, 2023a; NMED, 2023b; and NMED, 2024). For surface soil sampling, a Bel-Art™ Sterileware™ Sampler Scoop was used to disturb the soil at the sampling location and a small portion of the soil to be sampled was visually examined by an Explosives Safety Officer and then a high explosives spot test was conducted on the soil. The scoop was used to fill sample containers per the analytical laboratory directions. For subsurface samples, a metal auger or shovel was used to remove approximately the necessary soil (usually 6 inches ~~of soil.~~). The soil from approximately 6-12 inches below the ground surface was collected within a stainless ~~-~~ steel bowl and an Explosives Safety Officer visually inspected and then performed a high explosives spot test on the soil. A scoop was then used to fill sample containers as directed by the analytical laboratory requirements. All samples that tested positive for the high explosives spot test were managed and released from the area as explosives-contaminated material; however, the soils were determined to not present an explosive hazard. Soil samples collected for dioxin/furan analysis were sent to Cape Fear Analytical, LLC in Wilmington, North Carolina for analysis. All other soil samples (including those described in ~~Section~~Sections 2.3 and 2.4) were sent to GEL Laboratories LLC in Charleston, South Carolina.

2.2.4 Laboratory Analysis

Section 6.1.2 of the closure plan ~~listed~~lists specific methods within the U.S. Environmental Protection Agency (EPA) *Test Methods for Evaluating Solid Waste, Physical/ Chemical Methods* (SW-846) for conducting laboratory analyses. There were three deviations from those methods.

1. Metal analysis was conducted utilizing Methods 6020, 7471A, and 6010C. Method 6010B is listed in closure plan Table 4 with an allowance for approved updates.
2. Semi-volatile organic compound analysis was conducted utilizing Method 8270D, rather than 8270C. This is also an update to the method listed in closure plan Table 4.
3. Nitrate analysis was conducted using EPA Method 300.0 rather than Method 9056A. Both methods detect inorganic anions by ion chromatography and the method used is considered equivalent.

Additionally, PFAS analysis was conducted utilizing a modified version of the EPA Drinking Water Laboratory Method 537: Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS). A letter (LANL, 2023) sent to the NMED-HWB confirmed the use of this method.

Portions of the soil sampling ~~had to be~~were conducted a second time, as described in Section 2.2.3.1 of this report. Three volatile organic compound samples, four mercury samples, and two nitrate samples were resampled and analyzed to fulfill analytical requirements of the approved closure plan (NMED, 2019a). Two other planned nitrate resamples were inadvertently not collected ~~as explained in Section 2.2.4.1.1.~~during this time. However, because these samples were collected for the 2023-2024 closure activities, the detailed description of this deviation was removed from this report.

~~Also~~In addition, as described in Section 2.2.4.1.~~2~~1, soil laboratory analytical results for tetryl in 2019 and 2020 were rejected and therefore were not included in any comparisons or the risk ~~assessment~~assessments. Analytical results for tetryl from past sampling events (2009, 2012, and 2013) and data from 2021, 2023 and 2024 are included as part of the human health and ecological risk assessments in Attachment 6 at the request of the NMED (NMED, 2020). Tetryl was not detected to be present at the site in any of the samples collected in 2009, 2012, 2013, 2020, 2021, 2023 and 2024, indicating that there is not likely tetryl present at the site. All data utilized in the analysis is present on the CD included as Attachment 4.

2.2.4.1 Data from Laboratory Analyses for Closure Plan Required Soil Samples

Soil laboratory analytical ~~result comparisons to the NMED-accepted soil screening levels, and other pertinent information, are~~ results are summarized in ~~Table 1~~Attachment 3, *Summary of Analytical Data ~~for Closure of the TA~~ Utilized in Technical Area 16-399 Burn Tray Human Health and Ecological Risk-Screening Assessments Revision 3.0,* of this closure certification report. ~~Most soil analytical results are below residential soil screening levels for the soil constituents required by the closure plan and as evidenced by the comparison columns within Table 1.~~This table includes data utilized as part of the risk assessment analysis. Rejected data are not represented within the summary table~~,~~ but are included on the compact disc (CD) included as Attachment 4 and are discussed below. ~~The following subsections provide some~~Detailed discussion about the detections that are above, or appear to be above, soil screening levels ~~as well as positive findings within the data presented in Table 1~~ that require clarification~~.~~

~~2.2.4.1.1 Discussion of Detected and Non-Detected Analytes~~

~~Out of the 319 explosives analyses conducted, there were 52 detections of explosives (mostly in trace quantities). RDX was detected in 7 of the 16 soil samples collected. All detections of RDX were found in~~

~~soil samples collected within the fenced area directly around the location of the Burn Tray (Figure 2). The residential cancer soil screening level for RDX is 8.31E+01 milligrams/kilogram (mg/kg), and the residential noncancer soil screening level is 3.01E+02 mg/kg. The RDX detections were:~~

- ~~Sample location 3, 3.72E+01 mg/kg~~
- ~~Subsurface sample location 3s, 2.98E+01 mg/kg~~
- ~~Sample location 4, 3.92E+00 mg/kg and 5.13E+00 mg/kg~~
- ~~Sample location 5, 7.24E+01 mg/kg~~
- ~~Sample location 11, 6.07E+02 mg/kg~~
- ~~Subsurface sample location 11s, 4.94E+00 mg/kg~~

~~A surface soil sample collected from where the concrete pad was removed (sample location 11) contained an RDX concentration above residential soil screening levels. A soil removal action and confirmation sampling were conducted to address the elevated RDX concentration as~~ are discussed ~~in Section 2.4, *Removal of Soil and Subsequent Sampling and Analysis*.~~

~~Many dioxin and furan constituents were detected; however, comparison directly to soil screening levels is not appropriate for these types of contaminants. When comparing dioxin and furans concentrations to soil screening levels, the many congeners of dioxins and furans undergo an equivalency calculation so that all of the congeners can be cumulatively compared to a single soil screening level. Specific hazard discussions associated with these detections and the associated risk to human health and the environment are discussed~~within Attachment 6: *Technical Area 16-399 Burn Tray Human Health and Ecological Risk Screening Assessments, Revision 3.0*. Data tables for all data utilized within the risk ~~assessment (Attachment 5).~~

~~All detections of diesel range organics (DRO) are below the residential exposure level (1.00E+03 mg/kg) in the *New Mexico Environment Department*~~ assessments is present~~Risk Assessment *Guidance for Site Investigations and Remediation* (NMED, 2019b). There were no detections of gasoline range organics (GRO) or kerosene.~~

~~Soil analytical results for antimony, barium, calcium, copper, lead, selenium, silver, and zinc all had concentrations measured above established background values. However, no inorganics were measured to be above applicable residential soil screening levels. The detected concentrations of metals above background levels is depicted~~ on ~~Figure 3 and background values for these metals are summarized below:~~

- ~~Antimony - 8.30E-01 mg/kg~~
- ~~Barium - 2.95E+02 mg/kg~~
- ~~Calcium - 6.12E+03 mg/kg~~
- ~~Copper - 1.47E+01 mg/kg~~
- ~~Lead - 2.23E+01 mg/kg~~
- ~~Selenium - 1.52E+00 mg/kg~~
- ~~Silver - 1.00E+00 mg/kg~~
- ~~Zinc - 4.88E+01 mg/kg~~

~~Perchlorate was non-detect in all of the soil samples. Although nitrate was detected in every sample collected, four of the eighteen samples collected were rejected due to analyses that were out of the~~

~~sample hold time. Two of the four samples were recollected and analyzed. Two were inadvertently not recollected during the August 2019 sampling event. However, the two samples that were not recollected at the surface sample at location 10 and the subsurface sample at location 6 are located to the north of the unit and outside of any direct line of runoff from the unit and opposite the predominant wind direction at the unit.~~the CD included as Attachment 4 for facilitating review. Additionally, ~~all detections of nitrate are, at a minimum, four orders of magnitude less than the residential soil noncancer screening level (1.25E+05 mg/kg); therefore, it is not likely that the former operations at the TA-16-399 Burn Tray contributed to concentration of nitrate in the area or that the concentration of nitrate at the site could be above any of the applicable soil screening levels. Figure 4 depicts detected nitrate soil concentrations~~Attachment 4 includes analytical data packages sent with the analytical data to the Permittees.

~~Figure 5 includes other organic constituents that were detected at the site. There were no other analytes detected above applicable soil screening levels.~~

~~2.2.4.1.2~~2.2.4.1.1 ~~Other~~ Analytical Discussion

Some other data points included in Table 1 require additional discussion for clarification. These data points are ~~discussed below.~~briefly discussed below. Additional detailed information and discussion regarding the full dataset utilized in the assessment for clean closure is included in the risk assessments (Attachment 6) and is present on the CD included as Attachment 4.

~~Dibenz(a,h)anthracene appears to be detected in two soil samples. The one sample where the chemical is actually detected (collected from sample location 11), is at a concentration below all soil screening levels. The measured concentration is 1.99E-02 mg/kg and the residential cancer screening level is 1.53E-01 mg/kg. In another sample, the reported detection limit for the sample is above the residential soil cancer screening level (1.53E-01 mg/kg). However, the sample is a duplicate sample for sample location 4, and the reported detection limit for the original sample (5.07E-02 mg/kg) is below the residential soil cancer level; therefore, the sample is considered a non-detect for dibenz(a,h)anthracene. Dibenz(a,h)anthracene is formed during the incomplete burning of coal, gas, oil, wood, garbage, tobacco and charbroiled meats and is not likely to be present at the TA-16 Burn Ground.~~

~~N-nitrosodimethylamine has no detections; however, the reported method detection limits and the report detection limits are all greater than the residential soil cancer screening level of 2.34E-02 mg/kg. The constituent is listed as non-detected within the analytical data report. N-nitrosodimethylamine is a volatile, combustible, yellow, oily liquid nitrosamine with a faint characteristic odor that decomposes when exposed to light and emits toxic fumes of nitrogen oxides when heated to decomposition. N-nitrosodimethylamine is primarily used in laboratory research to induce tumors in experimental animals. This substance may be formed during the cooking of foods, especially cured meats and fish, that contain sodium nitrite as a preservative, but is also found in several vegetables, cheeses, alcoholic beverages and fruits, and as a contaminant in rubber products. It is not likely that n-nitrosodimethylamine would be present at the TA-16 Burn Ground based on past operations.~~

~~Hexachlorocyclopentadiene is another chemical that has no detections; however, in one instance the reported method detection limit and the reported detection limit are greater than the residential soil noncancer screening level (2.30E+00 mg/kg). Hexachlorocyclopentadiene appears as a pale yellow liquid~~

~~with a pungent odor. It is a manufactured chemical that does not occur naturally. It easily evaporates into the air and is used in the manufacture of certain pesticides. Most of the hexachlorocyclopentadiene in the environment results from releases during its production and disposal. It is also not likely that hexachlorocyclopentadiene would be present at the TA-16 Burn Ground.~~

Samples analyzed for the compound tetryl were not analyzed by the analytical laboratory properly and were rejected. All ~~of~~ the required spiking analytes were not within the acceptance limits in the laboratory control sample for tetryl and re-extraction was not performed because the samples exceeded the method stated holding time. Specific information regarding these laboratory quality issues is included on the CD (Attachment 4) within the data package for 2019-1826. ~~Recollection~~Re-collection of samples to be analyzed for tetryl was not conducted as the control sample issues had not been resolved with the analytical laboratory at the time of resampling and likely, the results for the ~~recollected~~re-collected samples would duplicate the results of the original samples. However, soil samples were collected in August 2012 during the original anticipation of closure plan approval and while preparing a submitted permit modification request. Laboratory analytical results found no detections of tetryl in any of the soil samples collected at that time. The August 2012 soil sample locations are the same soil sample locations included within the closure plan that was sent out for public notice by the NMED-HWB in November 2013 that ultimately became the approved closure plan. While those data are not used as comparison values within this closure certification report, they are included on the CD included as Attachment 4 and indicate that tetryl is not present at the site.

All data packages received from the analytical laboratories are also included on the CD ~~included as part of~~
(Attachment 4~~.~~). Analytical results, from this event as well as others, were further analyzed in ~~a~~human health and ecological risk ~~assessment~~assessments included as Attachment ~~5~~6 of this closure certification report. The risk assessments are discussed in Section 2.5.

~~2.3 Risk Assessment~~

~~The risk assessment presented in Attachment 5, *Technical Area 16-399 Burn Tray Human Health and Ecological Risk-Screening Assessments* concluded that there was some potential risk to human health due to possible exposure to RDX. For the human health risk assessment, the screening level hazard indexes (His) for inorganic constituents were calculated as 1 for the hypothetical future resident and 0.09 for current and future workers. Most of the risk associated with organic compounds was associated with a single surface sample (sample location 11) with a detected concentration of RDX at 6.07E+02 mg/kg. This results in a cancer-based ratio of the refined exposure point concentration for residents of an HI of 4; for site workers the ratio is an HI of less than 1. Noncancer ratios are HIs of less than 1 for both resident and worker receptors. Human health risk at the TA-16-399 Burn Tray is determined by the risk assessment to be minimal and associated with one sample. Risk estimates are elevated only for the hypothetical future resident and not current or future workers, which are the likely receptors at the TA-16-399 Burn Tray for the foreseeable future.~~

~~Additionally, the risk assessment concluded that there existed a potential risk to several ecological receptors regarding potential for adverse ecological effects for exposure to soils. Barium and RDX exceed toxicity values for plants and invertebrates. However, photographs of the site both before and~~

~~after demolition activities show healthy vegetation within the immediate and general area surrounding the location of the former burn tray; therefore, it is unlikely that plants and invertebrates are being impacted by barium levels within the soil. Small mammal receptors were calculated to have a potential risk due to the concentrations of dioxin/furan concentrations at the site. The small mammal tissue study conducted at the site indicated little uptake of dioxins/furans by small mammals at TA-16 as a whole, as well as little effect on mammal populations. Eggs analyzed for inorganics had antimony and mercury concentrations above egg background values, but mercury concentrations were below known toxic levels. Antimony was detected in one of four egg samples and half of the soil samples, and concentrations do not appear widespread. Population metrics for birds in the area have not been measured to be statistically significantly different from controls. The weight of evidence described in the risk assessment shows that no effects have been observed for mammals and birds based on monitoring activities that have been conducted in the area over multiple years. Therefore, there is a minimal risk to ecological risk receptors at the site. Based on the elevated RDX soil concentrations and the human health risk screening assessment, the Permittees determined that the site required additional closure activities to meet the closure performance standard (residential clean-up levels) as required by Section 4.1 of the approved closure plan.~~

~~2.4~~2.3 Initial Removal of Soil and ~~Subsequent~~Verification Sampling ~~and Analysis~~

~~Upon~~Based on the ~~conclusion~~conclusions of the original risk ~~assessment~~assessments (discussed in Section 2.~~3~~5), it was determined that soil should be removed ~~from the area~~at soil sample location 11, the location of the former concrete pad, where the soil concentration of RDX was detected at a concentration of 600 parts per million (ppm). Based on this determination, a second extension request was submitted and granted to complete closure activities by December 25, 2019 (LANL, 2019c and NMED, 2019d).

~~Soil sample location 11, at the location of the former concrete pad was determined to be an area with a higher concentration of explosives and plans were developed to remove soils in the area around the sample location.~~ Soil removal was guided utilizing high explosive field tests and an Explosives Safety Officer to support the extent of the soil removal. On December 4, 2019, soil ~~excavation removed soil~~was excavated to a depth of 9-15 inches from an area measuring approximately 19 feet by 6.6 feet surrounding sample location 11 ~~(Figure 6).~~. Approximately 125 cubic feet of soil was removed, sampled, and containerized to be characterized and disposed of off-site as ~~non~~hazardous waste due to barium concentrations. Photographs 17 through 21 within Attachment 6, *Photographs of Removal of Soil and Confirmation Soil Sampling Activities* depict the area during and immediately after removal of soil and depict an example of surface and subsurface soil sample collection.

On December 4, 2019, confirmation soil samples were collected from the newly excavated soil surface at the original soil sample ~~location~~locations and at each of the excavation boundaries. Additionally, at each of the four excavation boundaries, soil samples were collected from a depth of 6-12 inches below the excavated soil surface. All ~~of~~ the soil samples were analyzed for high explosives ~~concentrations.~~constituents. Confirmation sample laboratory analytical results for RDX were compared to applicable NMED approved soil screening levels (SSLs) for residential risk screening scenarios, 8.31E+01 mg/kg (cancer) and 3.01E+02 mg/kg (non-cancer). All detected explosives constituent concentrations were below the applicable residential ~~soil screening level. Analytical results are included~~

~~within Table 2 of Attachment 7, *TA-16-399 Analytical Results after Excavation* of this closure certification report. Figure 6 includes detected concentrations of high explosives after the excavation of soil.~~SSLs.

Established storm water controls and vegetation were left in place to ensure continued stabilization of the area and to prevent sediment from migration off-site. The excavation area was backfilled with base course and graded to match existing slope.

2.4 Additional Removal of Soil and Verification Sampling

After the second review of the risk assessments provided to the NMED-HWB, the Permittees received further comments regarding evaluations that could be conducted to reduce the calculated risk for the site. After conversation with the NMED-HWB and technical subcontract personnel, the Permittees proposed removal of soil from two locations within the unit boundary and south of the unit. The location south of the unit was identified as a location where higher levels of dioxin/furan congeners were previously measured. The location within the unit boundary was identified as a single location where a barium concentration was an order of magnitude greater than other measured concentrations within the area. However, it should be noted that barium is known to be above background values over the entire mesa top in this area.

The second soil removal effort occurred on November 17, 2021, south of the unit boundary in a drainage area. This is the location higher levels of dioxin/furan congeners were measured in past sampling and analytical events (2012 and 2013). The area excavated is estimated to be 900 square feet and 8 to 12 inches deep. This is approximately 494.4 cubic feet of soil that was stored in a roll-off bin and shipped offsite as nonhazardous waste. Six verification samples were collected from the area and were analyzed for metals, high explosives, and dioxin/furan congeners. Analytical results showed no high explosives present in the area, two detections of barium above background values, and a decrease in the concentration of dioxin/furan congeners in the area. Because it was determined that there were not enough empty waste containers present at the site to provide containerization of the last excavation site, the final soil excavation was rescheduled. Due to the rescheduling, a duplicate field sample was inadvertently not collected on the second day.

On December 1, 2021, soil was removed from the area directly under the former location of the TA-16-399 Burn Tray. The excavated area measured approximately 33-34 feet in length and 15-20 feet in width to a depth of 11 to 18 inches. Approximately 974.68 cubic feet of soil was placed in three roll-off bins and 10 verification samples were collected from nine locations within the boundaries of the excavation. These samples were analyzed for metals, high explosives, and dioxin/furan congeners. Analytical results showed elevated concentrations of barium at the new soil surface and increased concentration of RDX in 2 of the 10 samples collected. Additionally, concentrations of aluminum, cadmium, calcium, chromium, copper, silver, and zinc were detected above background values within the excavated area. Additional explosives compounds detected include TNT, amino-2,6-dinitrotoluene [4-], amino-4,6-dinitrotoluene [2-], trinitrobenzene [1,3,5-], TATB, PETN, and HMX. Dioxin/furan congeners were detected in expected quantities for the area.

2.5 Excavation Activities After Amendment to Closure Plan

After an amendment to the approved closure plan (NMED, 2022b), additional excavation within the fenced area commenced on May 8, 2023. Fourteen excavation events took place while balancing the available areas for accumulation of waste containers, availability of waste containers, and ability of the off-site treatment and disposal facility to accept the waste that contained soil with non-detonable quantities of explosives and hazardous levels of barium. This resulted in the generation and shipment of 54, 20-cubic yard roll-off bins of contaminated soil and debris. Upon receipt of the analytical data from the October 26, 2023, soil sampling event, it was determined that an additional excavation event was necessary to complete closure activities. On February 15, 2024, NMED-HWB approved the final extension request for additional time to complete the final excavation event and collect final verification sampling (NMED, 2024). The excavation resulted in the generation of a final 20-cubic yard roll-off bin on April 24, 2024, for a total of 15 excavation events, and a total of approximately 15,930 cubic feet of waste shipped offsite. The final excavation will be backfilled with clean fill as soon as practicable. The fill will be graded to ensure that storm water control best management practices established at the site are still effective. Final verification sample collection took place on May 14, 2024. Figures 3, 4, and 5 depict the final concentrations of explosives, toxic equivalency (TEQ) values of dioxin/furan congeners, and other inorganic compounds. An additional figure depicting the few PFAS concentrations detected has been included as Figure 6 for completeness.

2.6 Risk Assessment

The risk assessments associated with the TA-16-399 Burn Tray were revised three times, based on recommendations of the NMED-HWB. Potential adverse risk at the site, as presented by the Permittees, is summarized in the following sections. Target levels for a residential risk scenario are an HI of 1 and a cumulative cancer risk of 1E-05.

2.6.1 Revision 0.0 in February 2020

The original risk assessments concluded that there was some potential risk to human health and several ecological receptors due to possible exposure to RDX. Risk assessments included with the closure certification report were based on the 16 soil samples collected from 11 locations as required by the approved revised closure plan (NMED, 2019a).

2.6.2 Revision 1.0 in February 2021

As required by the NMED-HWB (NMED, 2020), Revision 1.0 of the risk assessments included analytical data for organic and inorganic compounds at the site from 2009, 2012, 2013, 2019, and 2020.

The risk assessments included an evaluation of all the data recommended by the NMED-HWB and a more focused evaluation based on the area immediately surrounding the former location of the burn tray. The cumulative cancer risk based on all the datasets was 2E-05 and the noncancer HI was 3. When only the area surrounding the tray was evaluated, cumulative cancer risk was 1E-05 and the HI was 2. Lead was considered separately, and the hazard quotients for lead were less than 1 for all receptors. The ecological risk assessment concluded that there was some risk to several ecological receptors, but the calculated risk was relatively low, and data collected at the site showed no species impact.

2.6.3 Revision 2.0 in January 2024

Revision 2.0 of the human health and ecological risk assessments was not formally transmitted to the NMED-HWB, as it was determined that an amendment to the closure plan was necessary to complete clean closure activities. The revision included analytical data for organic and inorganic compounds at the site from 2009, 2012, 2013, 2019, 2020 and 2021 as required by the NMED-HWB (NMED, 2020), and as proposed by the Permittees (LANL, 2021c).

Analytical data for sample locations that were excavated were deleted from the risk assessment dataset and risk estimates were recalculated based on the revised dataset. Four organic analytes dropped out of the analysis because they were no longer detected, and two additional metals were carried forward as they were detected above background concentrations. Risk due to barium increased and hazard quotients (HQs) based on the refined exposure point concentrations were above 1 for construction worker scenarios. Risk due to two explosives increased based on the refined exposure calculations. Amino-2,6-dinitrotoluene [4-] HQs that were less than 1 were now 4 for the residential scenario based on the revised dataset, and 2,4,6 TNT concentrations also increased for the residential scenario and the HQ for residential use was now 2. Dioxin/furan cancer risks and HQs were now below target levels of 1E-05 and 1, respectively. Three analytes exceeded the migration to groundwater values based on refined exposure concentrations. These were barium, RDX, and 2,4,6 TNT. The cumulative cancer risk based on all the dataset was 2E-05 and the noncancer HI was 7.

Additionally, many maximum concentrations exceeded the ecological screening levels. Based on refined exposure concentrations, barium, selenium, amino-2,6-dinitrotoluene [4-], bis(2-ethylhexyl) phthalate, RDX, dioxin/furan congeners, and 2,4,6 TNT produced HQs above 1 for ecological receptors. Overall, these HQs were low, and the HIs were 2 or less for mammals and birds, 10 for soil fauna, and 50 for plants. The major risk driver for ecological risk receptors was barium and further excavation was deemed necessary.

2.6.4 Revision 3.0 in July 2024

After completion of the April 2024 excavation, the risk assessment evaluations were revised to include the data summarized in Attachment 3 of this closure certification report. Attachment 6, *Technical Area 16-399 Burn Tray Human Health and Ecological Risk Screening Assessments, Revision 3.0*, details the human health and ecological risk assessments for residual calculated risk at the site. Analytical data for sample locations that were excavated were deleted from the risk assessment dataset and risk estimates were recalculated based on the revised dataset. Table 1, Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray, presents the soil samples included in the risk assessments.

Inorganics were compared to background value and risk-based soil screening levels. Six inorganics exceeded background values, and four of those exceeded background based on hypothesis testing. No inorganics exceeded human health risk-based screening levels. Several organics were detected, along with some explosives compounds and breakdown products, some semi-volatile organic compounds, and total petroleum hydrocarbons and diesel range organics. Maximum concentrations of detected analytes in surface soil were below industrial worker soil screening levels and maximum concentrations of the detected analytes in subsurface soils were below risk-based residential screening levels for all

constituents except the dioxin/furans. Maximum concentrations were also below construction worker soil screening levels in subsurface soils.

When refined exposure point concentrations were considered, no constituents were above target levels for cancer risk or noncancer hazard for any receptor. The cumulative cancer risk based on refined exposure point concentrations for surface soils for industrial workers is 9E-07, and the noncancer HI is 0.04. The cumulative cancer risk based on refined exposure point concentrations for subsurface soils was 6E-06, and the HI was 0.6, for residents. The cumulative cancer risk and HI were below target levels for construction workers at 1E-07 and 0.4, respectively.

Refined exposure point concentrations for three detected analytes exceeded migration to groundwater screening levels. These were amino-2,6-dinitrotoluene [4-], amino-4,6-dinitrotoluene [2-], and RDX. There are also no maximum contaminant level drinking water standards for these three analytes. Detections for both amino-2,6-dinitrotoluene [4-] and amino-4,6-dinitrotoluene [2-] had so few detections that statistics are likely biased high. In addition, the distance to groundwater from the site provides for an unlikely source of addition of contamination to groundwater from explosives compounds. The facility includes an extensive facility-wide monitoring program that is well managed.

Although these screening levels were calculated to be exceeded, the site is deemed to be a low-priority source for its potential impact to groundwater. High- and moderate-ranking sources were characterized by significant hydrologic drivers, i.e., either large outfall volumes released to canyons or ponds located on mesa tops. Sources were also characterized in terms of the release of large inventories or high contaminant concentrations. Both conditions are necessary to consider an area to have a high or moderate impact to groundwater. Therefore, the TA-16 Burning Ground area is ranked as a low-priority source for its potential to impact groundwater, because it lacks both a large contaminant inventory and a large volume of water to provide a hydrologic driving force for contaminant infiltration.

Concentrations of constituents also exceeded low-effect ecological screening level values for a few of these same constituents and receptors. Barium, selenium, and zinc exceeded values with HQs above 0.1. Concentrations for the explosive RDX; bis(2-ethylhexyl) phthalate; and dioxin/furan TCDD TEQ resulted in HQs above 0.1 for comparison to low-effect ecological screening levels. HIs were above 1 for all receptors except the American kestrel (*Falco sparverius*) modeled as a top carnivore or insectivore/carnivore, gray fox (*Urocyon cinereoargenteus*), also a top carnivore, mountain cottontail (Sylvilagus nuttallii), a mammalian herbivore, and earthworms.

After further refining of the population area use, there remain a few HQs above 0.1 for vertebrate receptors. HQs for barium were above 0.1 for earthworm and plants, HQs for selenium were above 0.1 for deer mouse and plants, HQs for RDX exceeded 0.1 for earthworm, and the HQs for TCDD TEQ exceeded 0.1 for montane shrew and deer mouse. The HI for deer mouse was 2, and the HI for plants was 6. The potential risk for plants is elevated due to barium; however, the area is generally kept free of much vegetation because of the nearby operating site adjacent to the former burn tray.

~~2.5~~2.7 Disposal or Decontamination of Equipment, Structures, and Soils

Wastes generated ~~as a result of~~from closure activities (i.e. sand, firebrick, metal, rubber, soil) were managed and ~~will be or~~ have been disposed of as discussed in Section 2.2.2, Section 2.3, Section 2.4, and

Section 2.45 in accordance with Section 7.0, *Waste Management* of the approved closure plan (NMED, 2019a). Scrap metal and other materials determined to be not explosives-contaminated by an Explosives Safety Officer through visual examination and high explosives spot tests were released for disposition from the High Explosives Area with no other required actions. Prior to shipment off-site for disposition, the firebrick, sand, and burn tray required treatment for explosives contamination at the TA-16-388 Flash Pad. Excavated soil from the site ~~will be~~was disposed of at ~~a construction and demolition landfill~~US Ecology Nevada, Inc. as explosives-contaminated ~~nonhazardous~~hazardous waste. Most sampling equipment used (i.e. scoops, personal protective equipment) was disposable ~~(~~as nonhazardous waste~~)~~ and did not require decontamination. The auger, compositing bowl, and some scoops (as needed) were decontaminated utilizing Fantasik™ (a non-phosphate surfactant detergent that is already mixed with water) or deionized water and wipes. No excess liquid was used, and the waste wipes were disposed of as nonhazardous waste.

~~2.6~~2.8 Location of Supporting Documentation

The following supporting documentation will be retained by the environmental waste compliance personnel at LANL.

- Field logs
- Laboratory sample analysis reports
- QA/QC documentation
- Chain-of-custody records

~~2.7~~2.9 Statement of Quality Assurance/Quality Control Adequacy

A review of the sampling and shipping procedures and analytical data was conducted by environmental waste compliance personnel. ~~With the exception of~~Except for the caveats and the resampling event described in Sections 2.2.3.1~~, 2.2.4.1.1,~~ and 2.2.4.1.~~2~~1, it was determined that the analytical data related to closure of the TA-16-399 Burn Tray are of an acceptable quality and should therefore be accepted as valid. Resampling rectified a percentage of the quality control issues with the initial analytical data. Other quality control issues can be refuted through inference about the site and historically collected data. Analytical data packages are included within Attachment 4 of this report.

3 Conclusions

Closure activities as described within this closure certification report demonstrate that closure was performed in accordance with the approved closure plan as well as additional activities as discussed with and approved by the NMED-HWB. Based on the conclusions of the risk ~~assessment~~assessments (Attachment ~~5), additional actions were necessary~~6), target levels for a residential risk scenario (cumulative cancer risk of 1E-05 and HI 1) have been achieved, and acceptable potential risk to ~~meet closure performance standards. Soil~~ ecological receptors remains at the site. After extensive soil removal activities were conducted ~~in December 2019 and~~ at the site, contaminant concentrations measured in ~~confirmation~~verification samples were found to be ~~less than residential soil screening levels, meeting the closure performance standard. Closure performance standards generally take into account the future use of the site over 30 years.~~successful in reducing risk at the Unit.

The area at the overall site is well vegetated (see photographs included in Attachment 1), and there is no indication of an adverse effect at the site to plants or invertebrates, and as described in the risk assessment, there have been no observed effects for mammals and birds at the site based on various monitoring activities conducted at the site and referenced in the risk assessment (Attachment 6).

The site exists within the active, operational area of TA-16 and lies entirely on U.S. Department of Energy (DOE) land. The site is isolated from public access by a security fence and security checkpoints. Based on the current and proposed future land use, the site will remain under Facility (or DOE) control and will continue to be used for industrial purposes. Potential human exposure pathways include inhalation of airborne particles, incidental ingestion of surface soil or tuff, and dermal contact with surface soil or tuff. The potential on-site human receptors for both current and reasonably foreseeable future land use are LANL employees~~,~~ and for industrial ~~and recreational~~ land uses. However, residential land use is assumed to conservatively support closure certification decisions. Additional clean-up (e.g., soil removal) at the Unit is not recommended and the Unit should be approved for clean closure as defined within the approved closure plan (NMED, 2022b). For comparison purposes, a version of this closure certification report has been compared to the February 2020 report with red editing marks included.

~~Confirmation soil samples collected at and below the excavation depth confirmed that contaminants related to burn tray activities were successfully removed to below the applicable screening levels. The overall concentration of RDX in the area was reduced by soil removal which changes the overall potential for ecological risk. Also, elevated barium concentrations co-located and near the soil removal location are also reduced to about 25 feet (half the distance to the next sample location) in either direction near original sample location 4, except towards sample location 11, or less than 625 square feet. This is likely not a high enough risk level to cause a population effect. Additionally, the area is well vegetated (see photographs included in Attachment 1), there is no indication of an adverse effect at that site to plants or invertebrates. Lastly, as described in the risk assessment, there have been no observed effects for mammals and birds at the site based on various monitoring activities conducted at the site and referenced in the risk assessment (Attachment 5).~~

~~The Permittees recommend that the TA-16-399 Burn Tray (Solid Waste Management Unit 16-010(d)), be approved for clean closure and removed from the LANL Hazardous Waste Facility Permit, Attachment K, Table K-1, *SWMUs and AOCs Requiring Corrective Actions*, and added to Attachment K, Table K-3,~~

~~*SWMUs and AOCs Corrective Action Complete Without Controls* with a future permit modification request.~~

4 Certification

This section presents a signed certification of the accuracy of this report as required by 40 CFR 270.11 and a certification by an independent registered professional engineer per 40 CFR 264.115.

4.1 Certification of Accuracy

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____ _____

~~**Jennifer E. Payne**~~**Steven L. Story** **Date**
Division Leader
Environmental Protection and Compliance Division
Triad National Security, LLC

_____ _____

~~**Karen E. Armijo**~~**Robert A. Gallegos** **Date**
Environmental Permitting and Compliance Program Manager
National Nuclear Security Administration
U.S. Department of Energy

4.2 Independent Registered Professional Engineer's Certification

This certification was prepared in accordance with generally accepted professional engineering principles and practice pursuant to the requirements of 40 CFR §265.115, for an independent registered professional engineer's certification. These services have been performed with the care and skill ordinarily exercised by members of the profession practicing under similar conditions at the same time and in the same manner or in a similar locality. No other warranty is either expressed or implied. The finding and certification are based on 1) reviewing the NMED-approved revised closure ~~plan~~plans dated January 2019 and September 2022; 2) witnessing closure and sampling activities; and 4) reviewing the analytical results and certification report.

With the signature and seal below, I certify that, except for the variances presented in Section 2.2, the closure of the TA-16-399 Burn Tray at TA-16 was conducted in accordance with the NMED-approved revised closure plan. The information presented in this report is, to the best of my knowledge and belief, true, accurate, and complete.

Respectfully,

Pajarito Scientific Corporation

Eli V. Maestas
New Mexico Registered Professional Engineer No. 16643
Expires December 31, ~~2021~~2025
Date:

5 References

LANL, 2019a. *Documentation of Structural Assessment Technical Area 16-399 Burn Tray, Los Alamos National Laboratory EPA ID# NM089001051*. Letter, February 27, 2019. (http://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603372)

LANL, 2019b. *Request for Extension of Time Closure of Technical Area 16-399 Open Burn Unit, Los Alamos National Laboratory*. Letter, August 8, 2019. (http://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603486)

LANL, 2019c. *Request for Second Extension of Time Closure of Technical Area 16-399 Open Burn Unit, Los Alamos National Laboratory*~~,~~. Letter, October 23, 2019. (https://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603526)

LANL, 2020. *Transmittal of Closure Certification Report for Technical Area 16-399 Open Burn Unit Los Alamos National Laboratory EPA ID #NM0890010515*. Letter. February 20, 2020. (http://eprrdata.lanl.gov/eprrdata/Files/ESHID-603568.zip)

LANL, 2021a. *Request for Extension of Time to Respond to Disapproval of Closure Certification Report for Technical Area 16-399 Open Burn Unit*. Letter. January 7, 2021. (http://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603614)

LANL, 2021b. *Response to the Disapproval Closure Certification Report for Technical Area 16-399 Open Burn Unit, Los Alamos National Laboratory, EPA ID#NM0890010515*. Letter. March 17, 2021. (http://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603628)

LANL, 2021c. *Response to Second Notice of Disapproval Closure Certification Report and Proposed Actions for Technical Area 16-399 Open Burn Unit, Los Alamos National Laboratory, EPA ID#NM0890010515*. Letter. July 21, 2021. (http://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603646)

LANL, 2022a. *Notification of Need to Amend Approved Closure Plan, Technical Area 16-399 Burn Tray*. Letter. January 31, 20222. (https://srorlgreen.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603679)

LANL, 2022b. *Request for Class 2 Amendment to the Closure Plan Open Burning Treatment Unit Technical Area 16-399 Burn Tray, Los Alamos National Laboratory, EPA ID# NM0890010515*. Report. June 7, 2022. (https://srorlgreen.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603696)

LANL, 2023. *Proposed Methodology for Sampling Polyfluoroalkyl and Perfluoroalkyl Compounds at Los Alamos National Laboratory for the Closure of the Technical Area 16-399 Burn Tray*. Letter. February 15, 2023. (https://srorlgreen.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603746)

LANL, 2024. *Class 1 Permit Modification Request to Amend the Closure Plan Schedule for TA-16-399 Burn Tray, Revision 2.2*. Report. January 24, 2024. (https://srorlgreen.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603814)

NMED, 2010. *Los Alamos National Laboratory Hazardous Waste Facility Permit, EPA ID #NM0890010515*. November 2010 and all approved updates.

NMED, 2019a. *Final Action and Response to Comments Closure Plan for Technical Area 16-399 Open Burn Unit, Los Alamos National Laboratory, EPA ID #NM0890010515*~~,~~. Letter. January 2019. (http://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603364).

NMED, 2019b. *New Mexico Environment Department Risk Assessment Guidance for Site Investigations and Remediation*, February 2019 (Revision 2, 6/19/19).

NMED, 2019c. *Approval Request for Extension of Time closure of Technical Area 16-399 Open Burn Unit LANL EPA ID #NM0890010515 HWB-LANL-12-040*. Letter August 14, 2019. (http://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603497)

NMED, 2019d. Approval Request for Extension of Time Closure of Technical Area 16-399 Open Burn Unit, Los Alamos National Laboratory, EPA ID #NM0890010515, HWB-LANL-12-040. Letter. October 25, 2019. (https://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603532)


1615900
1616000
1616100
1616200
1616300
1764200
1764100
1764000
1763900
1763800
7450
7440
7430
7420
1
2
3
4
5
6
7
8
9
10
11
16-0399
BURNING GROUND ROAD

NMED, 2020. Disapproval Closure Certification Report for Technical Area 16-399 Open Burn Unit Los Alamos National Laboratory, EPA ID#NM0890010515, HWB-LANL-20-006. Letter. November 18, 2020. (http://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603607)

NMED, 2021a. Approval Extension Request to Respond to Disapproval of Closure Certification Report for Technical Area 16-399 Open Burn Unit Los Alamos National Laboratory EPA ID#NM0890010515, HWB-LANL-20-006. Letter. January 12, 2021. (http://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603615)

NMED, 2021b. Second Notice of Disapproval Closure Certification Report for Technical Area 16-399 Open Burn Unit Los Alamos National Laboratory, EPA ID#NM0890010515, HWB-LANL-20-006. Letter. May 25, 2021. (http://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603637)

NMED, 2021c. Approval Response to Second Notice of Disapproval Closure Certification Report and Proposed Actions for Technical Area 16-399 Open Burn Unit Los Alamos National Laboratory, EPA ID#NM0890010515, HWB-LANL-20-006. Letter. August 3, 2021. (http://permalink.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603651)

NMED, 2022a. Request for Supplemental Information Request to Amend Closure Plan Open Burning Treatment Unit Technical Area 16-399 Open Burn Unit Los Alamos National Laboratory EPA ID#NM0890010515 HWB-LANL-20-006. Letter. April 8, 2022. (https://srorlgreen.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603691)

NMED, 2022b. Approval with Modifications Request for Class 2 Amendment to the Closure Plan Open Burning Treatment Unit Technical Area 16-399 Burn Tray Los Alamos National Laboratory EPA ID#NM0890010515 HWB-LANL-22-039. Letter. September 6, 2022. (https://srorlgreen.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603717)

NMED, 2023a. Approval Extension of Time for Class 1, With Prior Approval, Permit Modification, Amended Closure Plan Open Burning Treatment Unit Technical Area 16-399 Burn Tray, Revision 2, September 2022, Los Alamos National Laboratory EPA ID#NM0890010515 HWB-LANL-23-012. Letter. March 10, 2023. (https://srorlgreen.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603754)

NMED, 2023b. Modified Approval Class 1 Permit Modification Request to Amend the Closure Plan Schedule for Technical Area 16-399 Open Burn Unit, Revision 2.1 Los Alamos National Laboratory EPA ID#NM0890010515 HWB-LANL-23-050. Letter. September 6, 2023 (https://srorlgreen.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603790)

NMED, 2024. Approval Class 1 Permit Modification Request to Amend the Closure Plan Schedule for TA-16-399 Burn Tray, Revision 2.2 Los Alamos National Laboratory EPA ID#NM0890010515 HWB-LANL-24-005. Letter. February 15, 2024. (https://srorlgreen.lanl.gov/object/tr?what=info:lanl-repo/eprr/ESHID-603821)

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2009	09RCRA695	West of Closure Plan Location #10	Dioxin/Furans	0-2	Site characterization	
2009	09RCRA696	West of Closure Plan Location #10	Metals	0-2	Site characterization	
2009	09RCRA697	Approximate same as Closure Plan Location #10	Dioxin/Furans	0-2	Site characterization	
2009	09RCRA698	Approximate same as Closure Plan Location #10	Metals	0-2	Site characterization	
2009	09RCRA699	North of Closure Plan Location #1	Dioxin/Furans	0-2	Site characterization	
2009	09RCRA700	North of Closure Plan Location #1	Metals	0-2	Site characterization	
2009	09RCRA701	West of 09RCRA706 across road	Dioxin/Furans	0-2	Site characterization	
2009	09RCRA702	West of 09RCRA706 across road	Metals	0-2	Site characterization	
2009	09RCRA703	South of 09RCRA706	Dioxin/Furans	0-2	Site characterization	

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2009	09RCRA704	South of 09RCRA706	Metals	0-2	Site characterization	
2009	09RCRA705	West of Closure Plan Location #1 other side of the road	Dioxin/Furans	0-2	Site characterization	
2009	09RCRA706	West of Closure Plan Location #1 other side of the road	Metals	0-2	Site characterization	
2009	09RCRA707	Just south of Closure Plan Location #1	Dioxin/Furans	0-2	Site characterization	
2009	09RCRA708	Just south of Closure Plan Location #1	Metals	0-2	Site characterization	
2009	09RCRA709	Approximate same as Closure Plan Location #8	Dioxin/Furans	0-2	Site characterization	
2009	09RCRA710	Approximate same as Closure Plan Location #8	Metals	0-2	Site characterization	
2009	09RCRA711	South and east of Closure Plan Location #6	Dioxin/Furans	0-2	Site characterization	

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2009	09RCRA712	South and east of Closure Plan Location #6	Metals	0-2	Site characterization	
2009	09RCRA731	North of Closure Plan Location #9	Dioxin/Furans	0-2	Site characterization	
2009	09RCRA732	North of Closure Plan Location #9	Metals	0-2	Site characterization	
2012	RE16-12-17672	Approximate same as Closure Plan Location #1	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	0-2	Anticipated closure plan approval	
2012	RE16-12-17673	Approximate same as Closure Plan Location #2	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	0-2	Anticipated closure plan approval	2023 excavated within fence
2012	RE16-12-17674	Approximate same as Closure Plan Location #3 (at depth)	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	10	Anticipated closure plan approval	2023 excavated within fence
2012	RE16-12-17675	Approximate same as Closure Plan Location #4	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	0-2	Anticipated closure plan approval	2023 excavated within fence

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2012	RE16-12-17676	Approximate same as Closure Plan Location #4 (duplicate)	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	0-2	Anticipated closure plan approval	2023 excavated within fence
2012	RE16-12-17677	Approximate same as Closure Plan Location #5	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	0-2	Anticipated closure plan approval	2023 excavated within fence
2012	RE16-12-17678	Approximate same as Closure Plan Location #6 (at depth only)	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	10	Anticipated closure plan approval	
2012	RE16-12-17679	Approximate south of Closure Plan Location #7	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	0-2	Anticipated closure plan approval	
2012	RE16-12-17680	Approximate same as Closure Plan Location #8	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	0-2	Anticipated closure plan approval	
2012	RE16-12-17681	Approximate same as Closure Plan Location #9	High Explosives, SVOC, VOC, Metals, Perchlorate, Dioxins/Furans	0-2	Anticipated closure plan approval	2020 excavated dioxin/furan hotspot
2013	WST16-13-29794	East of Closure Plan Location #9	High Explosives, SVOC, Metals, Perchlorate, Dioxins/Furans	0-2	Hotspot location identification	

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2013	WST16-13-29795	(north of RE16-12-17681)	High Explosives, SVOC, Metals, Perchlorate, Dioxins/Furans	0-2	Hotspot location identification	2020 excavated dioxin/furan hotspot
2013	WST16-13-29796	(east of RE16-12-17681)	High Explosives, SVOC, Metals, Perchlorate, Dioxins/Furans	0-2	Hotspot location identification	2020 excavated dioxin/furan hotspot
2013	WST16-13-29797	(south of RE16-12-17681)	High Explosives, SVOC, Metals, Perchlorate, Dioxins/Furans	0-2	Hotspot location identification	2020 excavated dioxin/furan hotspot
2013	WST16-13-29798	(west of RE16-12-17681)	High Explosives, SVOC, Metals, Perchlorate, Dioxins/Furans	0-2	Hotspot location identification	2020 excavated dioxin/furan hotspot
2019	WST16-19-181353	Closure Plan Location #2	High Explosives, VOC, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	0-2	Closure plan sample location	2023 excavated within fence
2019	WST16-19-181354	Closure Plan Location #3	High Explosives, VOC, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	0-2	Closure plan sample location	2023 excavated within fence

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2019	WST16-19-181355	Closure Plan Location #5	High Explosives, VOC, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	0-2	Closure plan sample location	2023 excavated within fence
2019	WST16-19-181356	Closure Plan Location #11	High Explosives, VOC, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	0-2	Closure plan sample location	2019 excavated within the fence
2019	WST16-19-181357	Closure Plan Location # 4 - Duplicate sample	High Explosives, VOC, SVOC, Metals (No Mercury), Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	0-2	Closure plan sample location	2020 excavated within the fence
2019	WST16-19-181358	Closure Plan Location # 4 - Duplicate sample	High Explosives, VOC, SVOC, Metals (No Mercury), Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	0-2	Closure plan sample location	2020 excavated within the fence

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2019	WST16-19-181359	Closure Plan Location #3 subsurface	High Explosives, VOC, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	2-12	Closure plan sample location	2023 excavated within fence
2019	WST16-19-181360	Closure Plan Location #11 subsurface	High Explosives, VOC, SVOC, Metals (No Mercury), Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	2-12	Closure plan sample location	2020 excavated within the fence
2019	WST16-19-181361	Closure Plan Location #1	High Explosives, VOC, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	0-2	Closure plan sample location	
2019	WST16-19-181362	Closure Plan Location #6	High Explosives, VOC, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	0-2	Closure plan sample location	

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2019	WST16-19-181363	Closure Plan Location #6 subsurface	High Explosives, VOC, SVOC, Metals (No Mercury), Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics	2-12	Closure plan sample location	
2019	WST16-19-181364	Closure Plan Location #8	High Explosives, VOC, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics	0-2	Closure plan sample location	
2019	WST16-19-181365	Closure Plan Location #8 subsurface	High Explosives, VOC, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics	2-12	Closure plan sample location	
2019	WST16-19-181366	Closure Plan Location #7	High Explosives, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	0-2	Closure plan sample location	
2019	WST16-19-181367	Closure Plan Location #9	High Explosives, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics, Nitrate	0-2	Closure plan sample location	2020 excavated dioxin/furan hotspot

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2019	WST16-19-181368	Closure Plan Location #10	High Explosives, SVOC, Metals, Perchlorate, Dioxins/Furans, Gas Range Organics, Diesel Range Organics	0-2	Closure plan sample location	
2019	WST16-19-184748	Closure Plan Location #10	VOC	0-2	Resample closure plan sample location	
2019	WST16-19-184749	Closure Plan Location #6 subsurface	Mercury	0-2	Resample closure plan sample location	
2019	WST16-19-184750	Closure Plan Location #7	VOC	0-2	Resample closure plan sample location	
2019	WST16-19-184751	Closure Plan Location #9	VOC	0-2	Resample closure plan sample location	2020 excavated dioxin/furan hotspot
2019	WST16-19-184752	Closure Plan Location #4	Mercury	0-2	Resample closure plan sample location	2020 excavated within the fence
2019	WST16-19-184753	Closure Plan Location #4 duplicate	Mercury	0-2	QA/QC Sample	2020 excavated within the fence

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2019	WST16-19-184754	Closure Plan Location #11 subsurface	Mercury	2-12	Resample closure plan sample location	2019 excavated within the fence
2019	WST16-19-184757	Closure Plan Location #8	Nitrate	0-2	Resample closure plan sample location	
2019	WST16-19-184758	8s	Nitrate	2-12	Resample closure plan sample location	
2020	WST16-20-191427	South of #11 at new surface	High Explosives	0-2	Confirmation sample after soil excavation	2023 excavated within fence
2020	WST16-20-191428	Original #11	High Explosives	0-2	Confirmation sample after soil excavation	2023 excavated within fence
2020	WST16-20-191429	North of #11 at new surface	High Explosives	0-2	Confirmation sample after soil excavation	2023 excavated within fence
2020	WST16-20-191430	East of #11 at new surface	High Explosives	0-2	Confirmation sample after soil excavation	2023 excavated within fence

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2020	WST16-20-191431	West of #11 at new surface	High Explosives	0-2	Confirmation sample after soil excavation	2023 excavated within fence
2020	WST16-20-191432	North of #11 at depth	High Explosives	6-12	Confirmation sample after soil excavation	2023 excavated within fence
2020	WST16-20-191433	East of #11 at depth	High Explosives	6-12	Confirmation sample after soil excavation	2023 excavated within fence
2020	WST16-20-191434	West of #11 at depth	High Explosives	6-12	Confirmation sample after soil excavation	2023 excavated within fence
2020	WST16-20-191435	South of #11 at depth	High Explosives	6-12	Confirmation sample after soil excavation	2023 excavated within fence
2020	WST16-20-191735	Duplicate South of #11 at depth	High Explosives	6-12	QA/QC Sample	2023 excavated within fence
2021	WST16-22-237994	Middle of excavation-D-F excavation	High Explosives, Metals, Dioxin/Furan	~10	Confirmation sample after soil excavation	

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2021	WST16-22-237995	Southern portion of excavation- D-F excavation	High Explosives, Metals, Dioxin/Furan	~10	Confirmation sample after soil excavation	
2021	WST16-22-238006	Western portion of excavation- D-F excavation	High Explosives, Metals, Dioxin/Furan	~10	Confirmation sample after soil excavation	
2021	WST16-22-238007	Northern portion of excavation (by pole)- D-F excavation	High Explosives, Metals, Dioxin/Furan	~10	Confirmation sample after soil excavation	
2021	WST16-22-238008	Northeastern portion of excavation- D-F excavation	High Explosives, Metals, Dioxin/Furan	~10	Confirmation sample after soil excavation	
2021	WST16-22-238009	Southeastern portion of excavation- D-F excavation	High Explosives, Metals, Dioxin/Furan	~10	Confirmation sample after soil excavation	
2021	WST16-22-238454	Barium excavation 1	High Explosives, Metals, Dioxin/Furan	~15	Confirmation sample after soil excavation	2023 excavated within fence
2021	WST16-22-238455	Barium excavation 2	High Explosives, Metals, Dioxin/Furan	~15	Confirmation sample after soil excavation	2023 excavated within fence

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2021	WST16-22-238456	Barium excavation 3	High Explosives, Metals, Dioxin/Furan	~15	Confirmation sample after soil excavation	2023 excavated within fence
2021	WST16-22-238457	Barium excavation 4	High Explosives, Metals, Dioxin/Furan	~15	Confirmation sample after soil excavation	2023 excavated within fence
2021	WST16-22-238458	Barium excavation 5	High Explosives, Metals, Dioxin/Furan	~15	Confirmation sample after soil excavation	2023 excavated within fence
2021	WST16-22-238460	Barium excavation 6	High Explosives, Metals, Dioxin/Furan	~15	Confirmation sample after soil excavation	2023 excavated within fence
2021	WST16-22-238461	Barium excavation 7	High Explosives, Metals, Dioxin/Furan	~15	Confirmation sample after soil excavation	2023 excavated within fence
2021	WST16-22-238462	Barium excavation 8	High Explosives, Metals, Dioxin/Furan	~15	Confirmation sample after soil excavation	2023 excavated within fence
2021	WST16-22-238463	Barium excavation 9	High Explosives, Metals, Dioxin/Furan	~15	Confirmation sample after soil excavation	2023 excavated within fence

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2021	WST16-22-238459	Barium excavation 5 dup	High Explosives, Metals, Dioxin/Furan	~15	QA/QC Sample	2023 excavated within fence
2023	SFB-23-295629	Closure Plan Location # 1	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location	
2023	SFB-23-295630	Closure Plan Location #2	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location	
2023	SFB-23-295631	Closure Plan Location #3	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location	
2023	SFB-23-295632	Closure Plan Location #3	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	At Depth 6-15 inches	Closure plan sample location	
2023	SFB-23-295633	Closure Plan Location #4	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location	

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2023	SFB-23-295634	Closure Plan Location #5	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location	
2023	SFB-23-295635	Closure Plan Location #6	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location	
2023	SFB-23-295636	Closure Plan Location #6 subsurface	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	At Depth 6-15 inches	Closure plan sample location	
2023	SFB-23-295637	Closure Plan Location #7	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location	
2023	SFB-23-295638	Closure Plan Location #7 Duplicate	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	QA/QC Sample	

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2023	SFB-23-295639	Closure Plan Location #8	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location	
2023	SFB-23-295640	Closure Plan Location #8 subsurface	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	At Depth 6-15 inches	Closure plan sample location	
2023	SFB-23-295641	Closure Plan Location #9	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location	
2023	SFB-23-295642	Closure Plan Location #10	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location	
2023	SFB-23-295643	Closure Plan Location #11	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Surface	Closure plan sample location	

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2023	SFB-23-295644	Closure Plan Location #11 subsurface	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	At Depth 6-15 inches	Closure plan sample location	
2023	SFB-23-295652	PFAS Baseline 1	PFAS	Surface	Closure plan sample location	
2023	SFB-23-295653	PFAS Baseline 1 Duplicate at depth	PFAS	At Depth 6-15 inches	Closure plan sample location	
2023	SFB-23-295654	PFAS Baseline 2	PFAS	Surface	Closure plan sample location	
2023	SFB-23-295655	PFAS Baseline 2 Duplicate at depth	PFAS	At Depth 6-15 inches	Closure plan sample location	
2023	SFB-23-295656	PFAS Baseline 3	PFAS	Surface	Closure plan sample location	
2023	SFB-23-295657	PFAS Baseline 3 Duplicate at depth	PFAS	At Depth 6-15 inches	Closure plan sample location	

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2023	SFB-23-295645	Verification 1	Metals, Dioxins/Furans, High Explosives, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Excavated surface	Confirmation sample after soil excavation	Removed and replaced by SFB-24-323271
2023	SFB-23-295646	Verification 2	Metals, Dioxins/Furans, High Explosives, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Excavated surface	Confirmation sample after soil excavation	Removed and replaced by SFB-24-323272
2023	SFB-23-295647	Verification 3	Metals, Dioxins/Furans, High Explosives, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Excavated surface	Confirmation sample after soil excavation	
2023	SFB-23-295648	Verification 4	Metals, Dioxins/Furans, High Explosives, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Excavated surface	Confirmation sample after soil excavation	
2023	SFB-23-295649	Verification 5	Metals, Dioxins/Furans, High Explosives, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	Excavated surface	Confirmation sample after soil excavation	

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2023	SFB-23-295650	Verification 6	Metals, Dioxins/Furans, High Explosives, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	At Depth 9-15 inches	Confirmation sample after soil excavation	
2023	SFB-23-295651	Verification 7	Metals, Dioxins/Furans, High Explosives, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	At Depth 9.5-15 inches	Confirmation sample after soil excavation	
2024	SFB-24-323271	Verification 1	Metals, Dioxins/Furans, High Explosives, VOC, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	0-6	Excavated surface	Replaces SFB-23-295645.
2024	SFB-24-323272	Verification 2	Metals, Dioxins/Furans, High Explosives, VOC, SVOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	0-6	Excavated surface	Replaces SFB-23-295646.
2024	SFB-24-323273	Verification 8	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	0-6	At edge of excavated area.	New sample location collected from the new surface level.

Table 1. Closure Plan Sample Locations Evaluated in Support of Closure Activities at the TA-16-399 Burn Tray

Year	Sample ID	Location Comment	Analysis Conducted	Depth in Inches	Reason for Sample Collection	Removal Reason - Other Comments
2024	SFB-24-323274	Verification 9	Metals, Dioxins/Furans, High Explosives, SVOC, VOC, Perchlorate, Gas Range Organics, Diesel Range Organics, Nitrate, PFAS	10-12	Outside of excavated area.	New at-depth sample location.

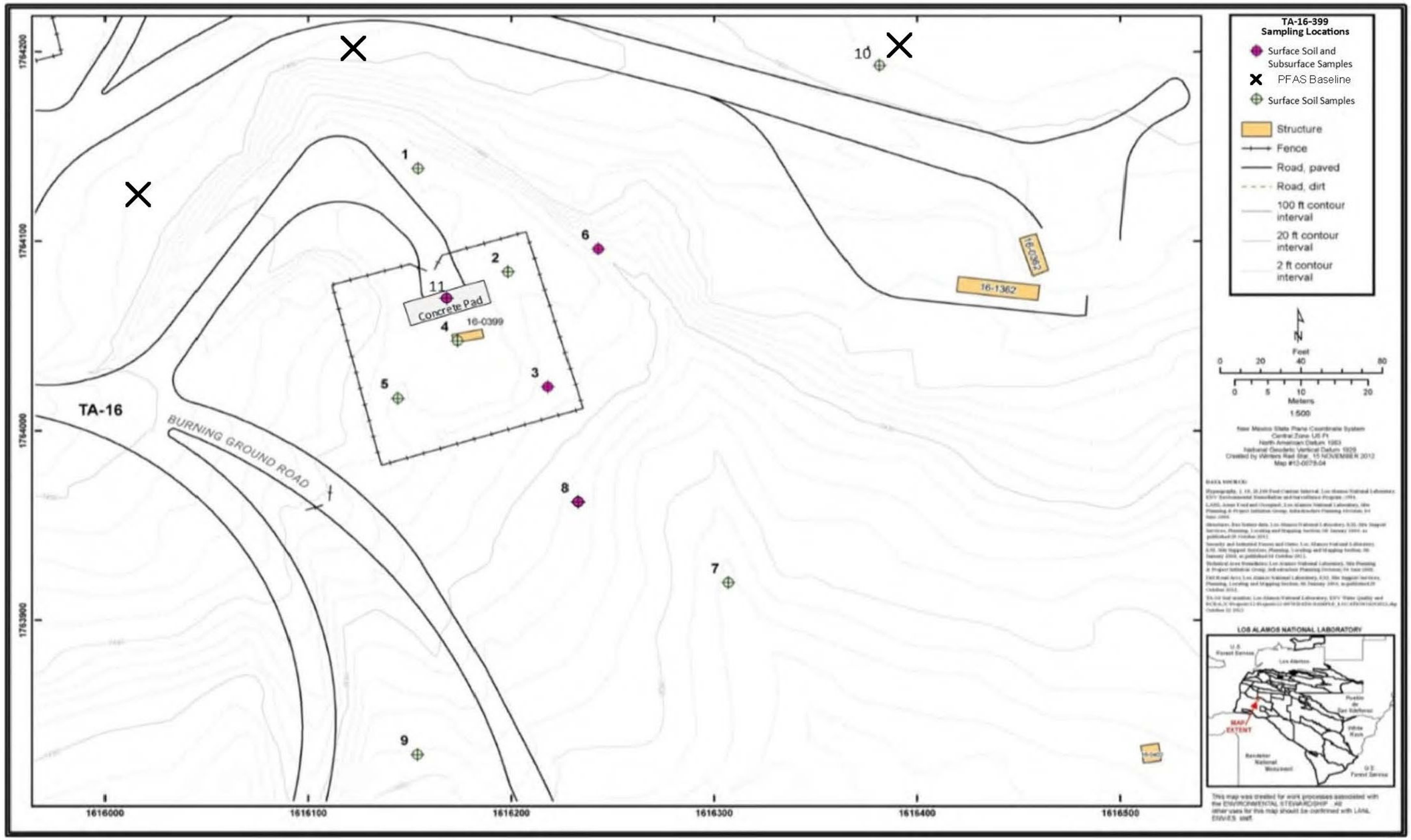
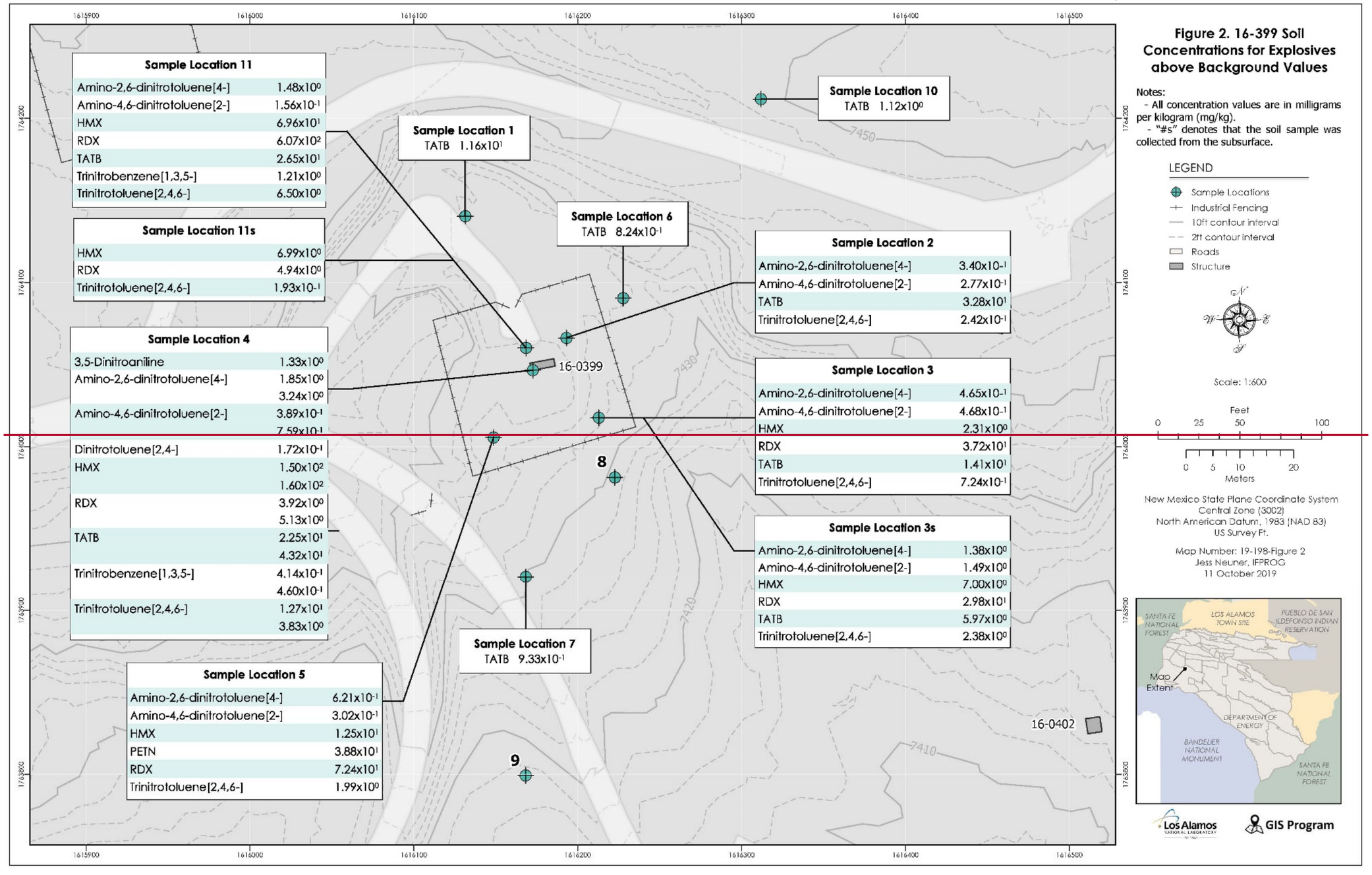


Figure 1: Closure Sample Locations at the TA-16-399 Burn Tray


Sample Location 11
Amino-2,6-dinitrotoluene[4-] 1.48x10⁰
Amino-4,6-dinitrotoluene[2-] 1.56x10⁻¹
HMX 6.96x10¹
RDX 6.07x10²
TATB 2.65x10¹
Trinitrobenzene[1,3,5-] 1.21x10⁰
Trinitrotoluene[2,4,6-] 6.50x10⁰
Sample Location 11s
HMX 6.99x10⁰
RDX 4.94x10⁰
Trinitrotoluene[2,4,6-] 1.93x10⁻¹
Sample Location 4
3,5-Dinitroaniline 1.33x10⁰
Amino-2,6-dinitrotoluene[4-] 1.85x10⁰
3.24x10⁰
Amino-4,6-dinitrotoluene[2-] 3.89x10⁻¹
7.59x10⁻¹
Dinitrotoluene[2,4-] 1.72x10⁻¹
HMX 1.50x10²
1.60x10²
RDX 3.92x10⁰
5.13x10⁰
TATB 2.25x10¹
4.32x10¹
Trinitrobenzene[1,3,5-] 4.14x10⁻¹
4.60x10⁻¹
Trinitrotoluene[2,4,6-] 1.27x10¹
3.83x10⁰
Sample Location 5
Amino-2,6-dinitrotoluene[4-] 6.21x10⁻¹
Amino-4,6-dinitrotoluene[2-] 3.02x10⁻¹
HMX 1.25x10¹
PETN 3.88x10¹
RDX 7.24x10¹
Trinitrotoluene[2,4,6-] 1.99x10⁰
Sample Location 1
TATB 1.16x10¹
Sample Location 6
TATB 8.24x10⁻¹
Sample Location 7
TATB 9.33x10⁻¹
Sample Location 10
TATB 1.12x10⁰
Sample Location 2
Amino-2,6-dinitrotoluene[4-] 3.40x10⁻¹
Amino-4,6-dinitrotoluene[2-] 2.77x10⁻¹
TATB 3.28x10¹
Trinitrotoluene[2,4,6-] 2.42x10⁻¹
Sample Location 3
Amino-2,6-dinitrotoluene[4-] 4.65x10⁻¹
Amino-4,6-dinitrotoluene[2-] 4.68x10⁻¹
HMX 2.31x10⁰
RDX 3.72x10¹
TATB 1.41x10¹
Trinitrotoluene[2,4,6-] 7.24x10⁻¹
Sample Location 3s
Amino-2,6-dinitrotoluene[4-] 1.38x10⁰
Amino-4,6-dinitrotoluene[2-] 1.49x10⁰
HMX 7.00x10⁰
RDX 2.98x10¹
TATB 5.97x10⁰
Trinitrotoluene[2,4,6-] 2.38x10⁰
16-0399
16-0402
8
9
7450
7430
7420
7410
1615900
1616000
1616100
1616200
1616300
1616400
1616500
1764200
1764100
1764000
1763900
1763800
Figure 2. 16-399 Soil Concentrations for Explosives above Background Values
Notes:
- All concentration values are in milligrams per kilogram (mg/kg).
- "#s" denotes that the soil sample was collected from the subsurface.
LEGEND
Sample Locations
Industrial Fencing
10ft contour interval
2ft contour interval
Roads
Structure
Scale: 1:600
Feet
0 25 50 100
0 5 10 20
Meters
New Mexico State Plane Coordinate System
Central Zone (3002)
North American Datum, 1983 (NAD 83)
US Survey Ft.
Map Number: 19-198-Figure 2
Jess Neuner, IFPROG
11 October 2019
SANTA FE NATIONAL FOREST
LOS ALAMOS TOWN SITE
PUEBLO DE SAN ILDEFONSO INDIAN RESERVATION
Map Extent
DEPARTMENT OF ENERGY
BANDELIER NATIONAL MONUMENT
SANTA FE NATIONAL FOREST
Los Alamos NATIONAL LABORATORY
GIS Program

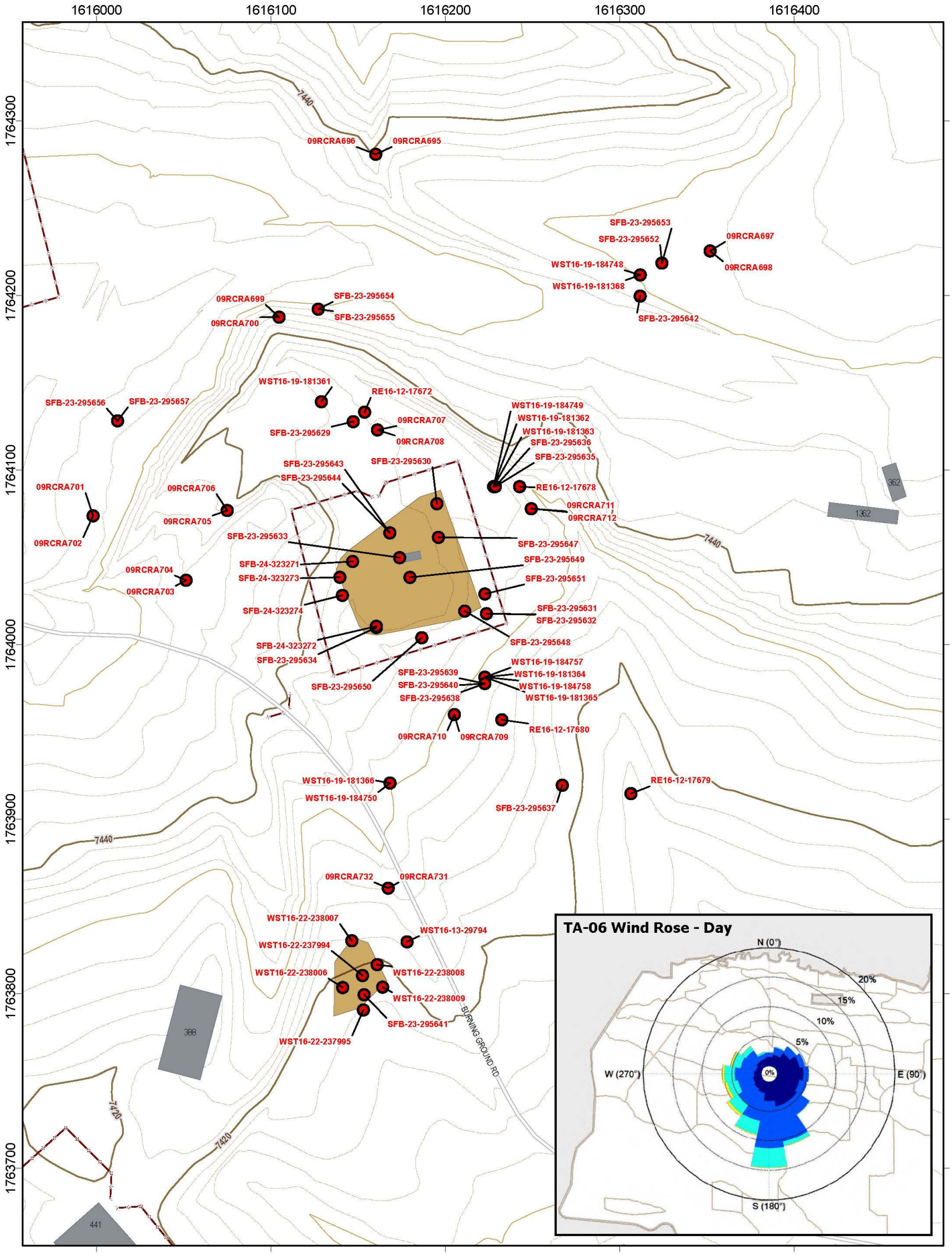
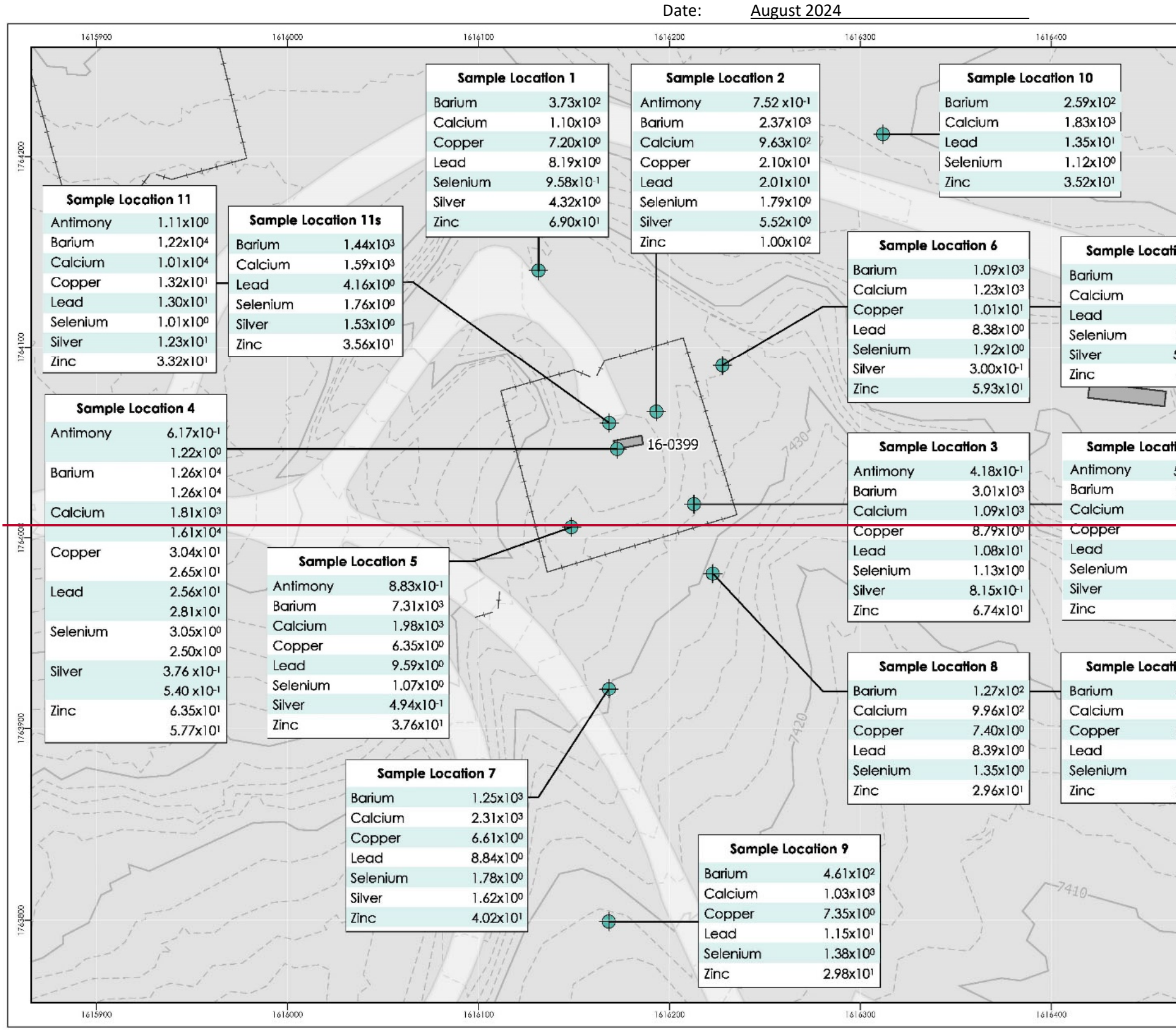


Figure 2: Sampling Locations for TA-16-399 ~~Detected Explosives Concentrations~~



Closure Certification 2009 through 2024

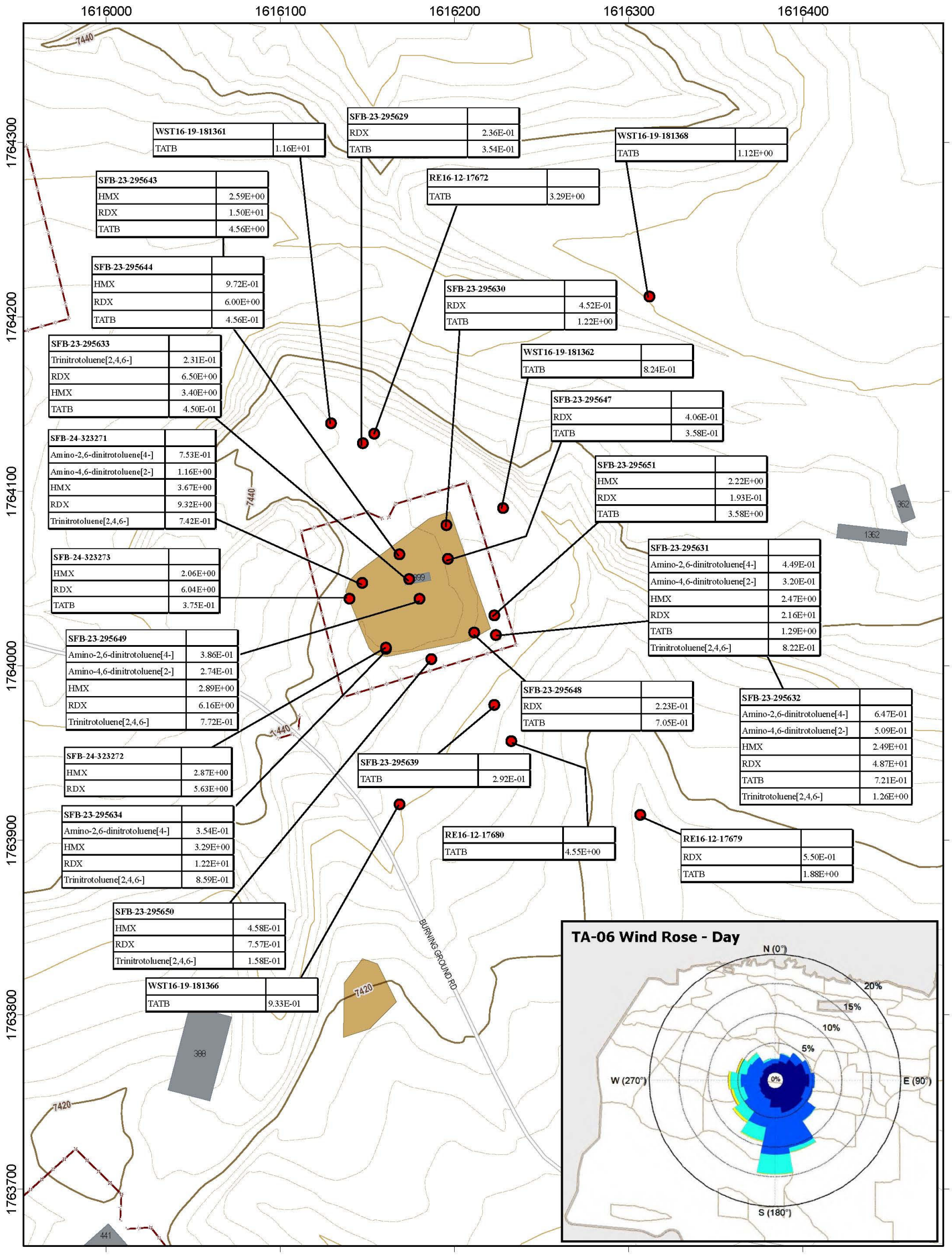
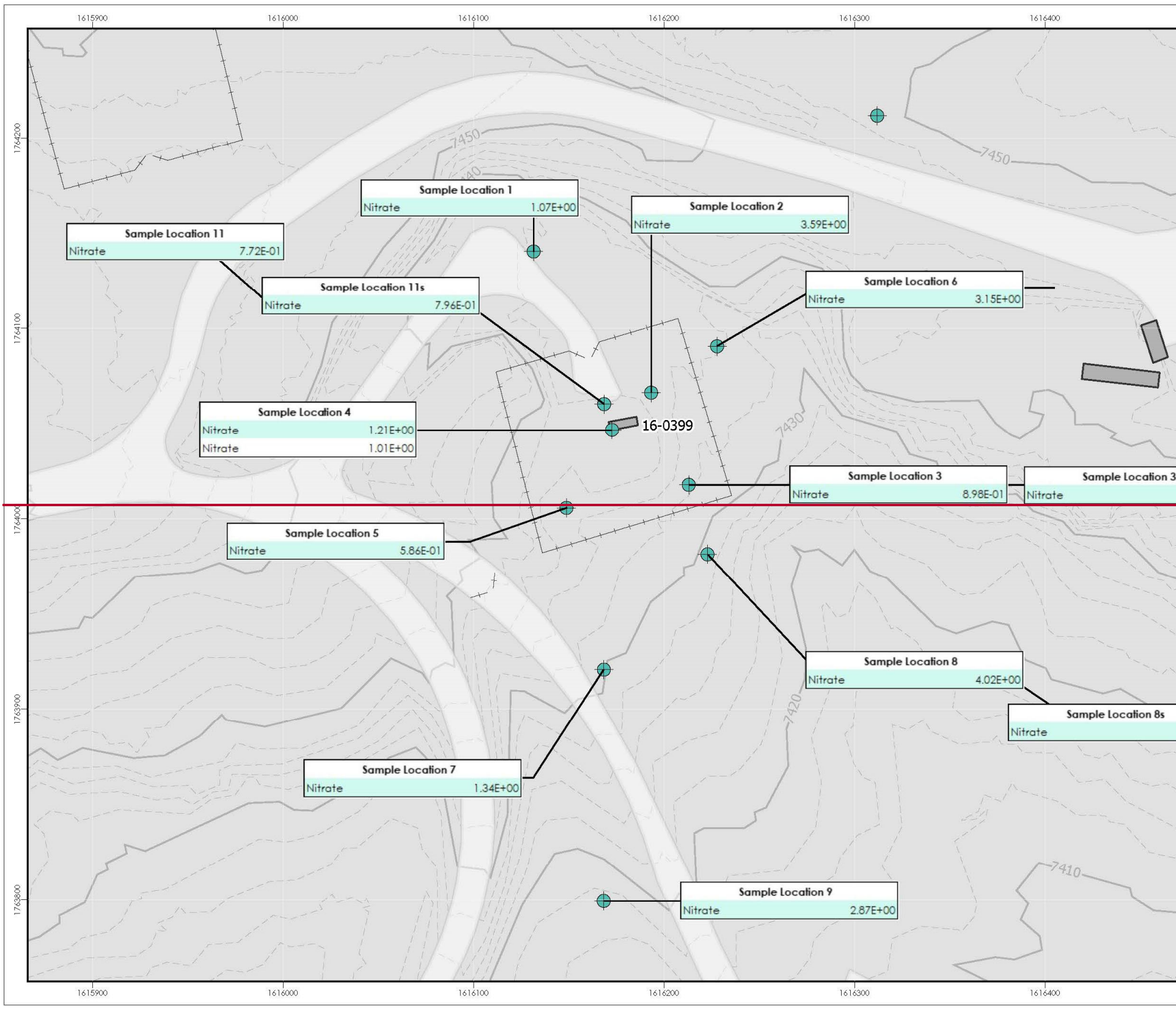


Figure 3: TA-16-399 ~~Detected Metals above Background~~Soil Concentrations for Explosives in milligrams per kilogram (mg/kg)


1615900
1616000
1616100
1616200
1616300
1616400
1764200
1764100
1764000
1763900
1763800
7450
7440
7430
7420
7410
Sample Location 1
Nitrate 1.07E+00
Sample Location 2
Nitrate 3.59E+00
Sample Location 11
Nitrate 7.72E-01
Sample Location 11s
Nitrate 7.96E-01
Sample Location 6
Nitrate 3.15E+00
Sample Location 4
Nitrate 1.21E+00
Nitrate 1.01E+00
16-0399
Sample Location 3
Nitrate 8.98E-01
Sample Location 3
Nitrate
Sample Location 5
Nitrate 5.86E-01
Sample Location 8
Nitrate 4.02E+00
Sample Location 8s
Nitrate
Sample Location 7
Nitrate 1.34E+00
Sample Location 9
Nitrate 2.87E+00

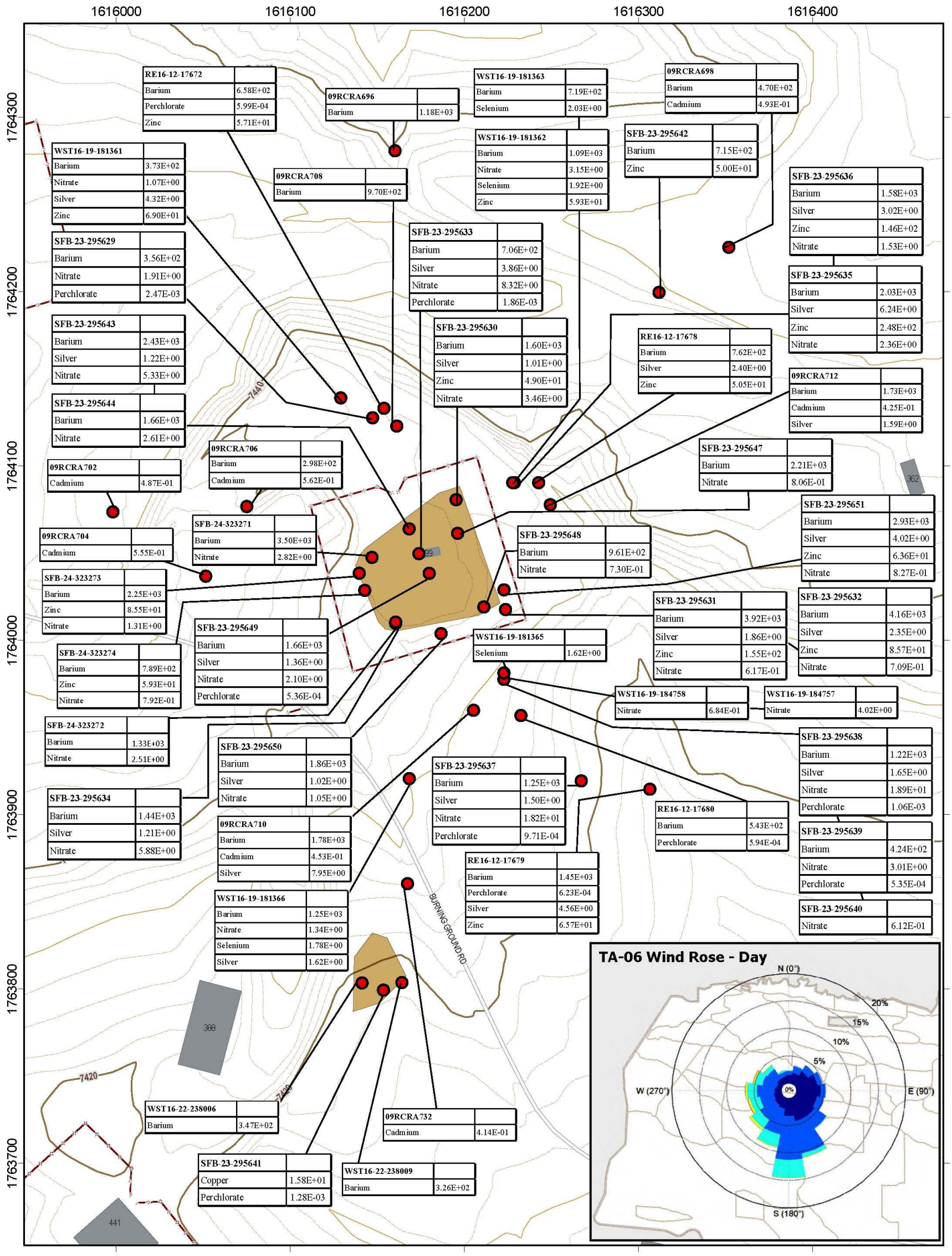
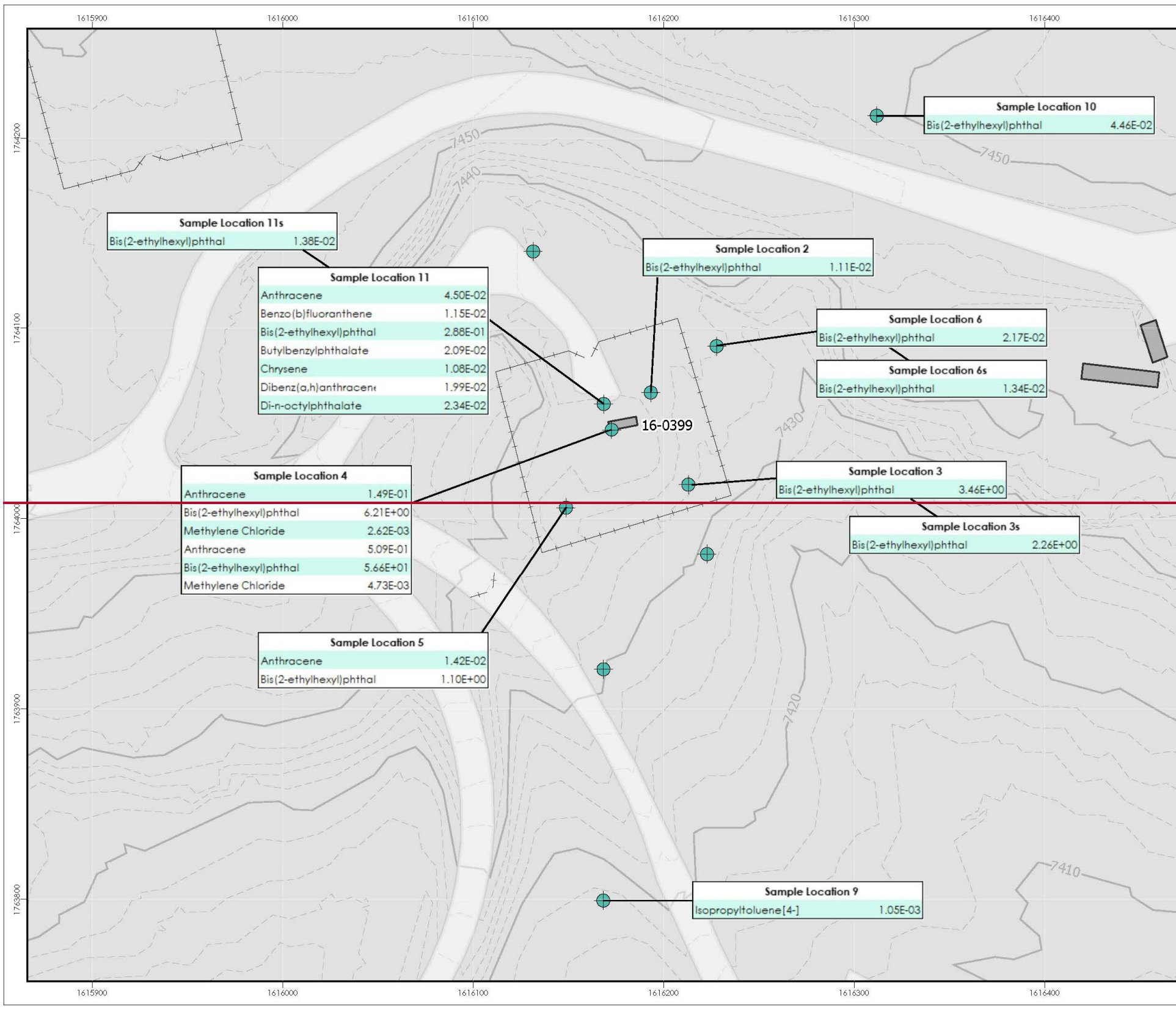


Figure 4. TA-16-399 Soil Concentrations for Nitrates, Perchlorates and Metals Detected above Background Values in milligrams per kilogram (mg/kg)

Map Number: 21-146-07 January 2024
Bethann McVicker, GIS Program
Updated by: Danaee Felix, IPPO

GIS Program Los Alamos NATIONAL LABORATORY

Figure 4: TA-16-399 Detected ~~Nitrate Concentrations~~Soil Concentrations for Nitrates, Perchlorates and Metals Detected above Background Values in milligrams per kilogram (mg/kg)


1615900
1616000
1616100
1616200
1616300
1616400
1764200
1764100
1764000
1763900
1763800
7450
7440
7430
7420
7410
Sample Location 10
Bis(2-ethylhexyl)phthal 4.46E-02
Sample Location 11s
Bis(2-ethylhexyl)phthal 1.38E-02
Sample Location 11
Anthracene 4.50E-02
Benzo(b)fluoranthene 1.15E-02
Bis(2-ethylhexyl)phthal 2.88E-01
Butylbenzylphthalate 2.09E-02
Chrysene 1.08E-02
Dibenz(a,h)anthracene 1.99E-02
Di-n-octylphthalate 2.34E-02
Sample Location 2
Bis(2-ethylhexyl)phthal 1.11E-02
Sample Location 6
Bis(2-ethylhexyl)phthal 2.17E-02
Sample Location 6s
Bis(2-ethylhexyl)phthal 1.34E-02
16-0399
Sample Location 4
Anthracene 1.49E-01
Bis(2-ethylhexyl)phthal 6.21E+00
Methylene Chloride 2.62E-03
Anthracene 5.09E-01
Bis(2-ethylhexyl)phthal 5.66E+01
Methylene Chloride 4.73E-03
Sample Location 3
Bis(2-ethylhexyl)phthal 3.46E+00
Sample Location 3s
Bis(2-ethylhexyl)phthal 2.26E+00
Sample Location 5
Anthracene 1.42E-02
Bis(2-ethylhexyl)phthal 1.10E+00
Sample Location 9
Isopropyltoluene[4-] 1.05E-03

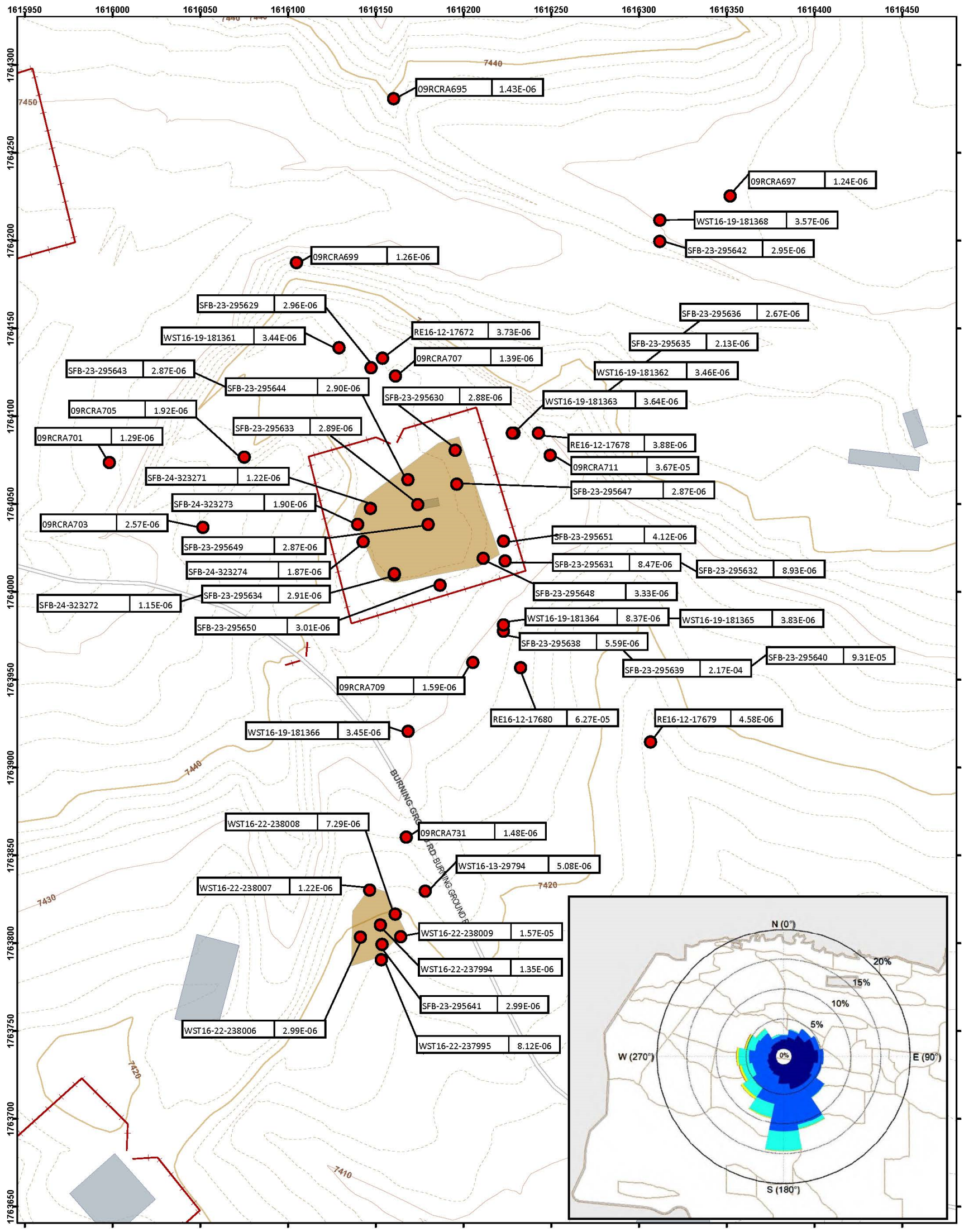
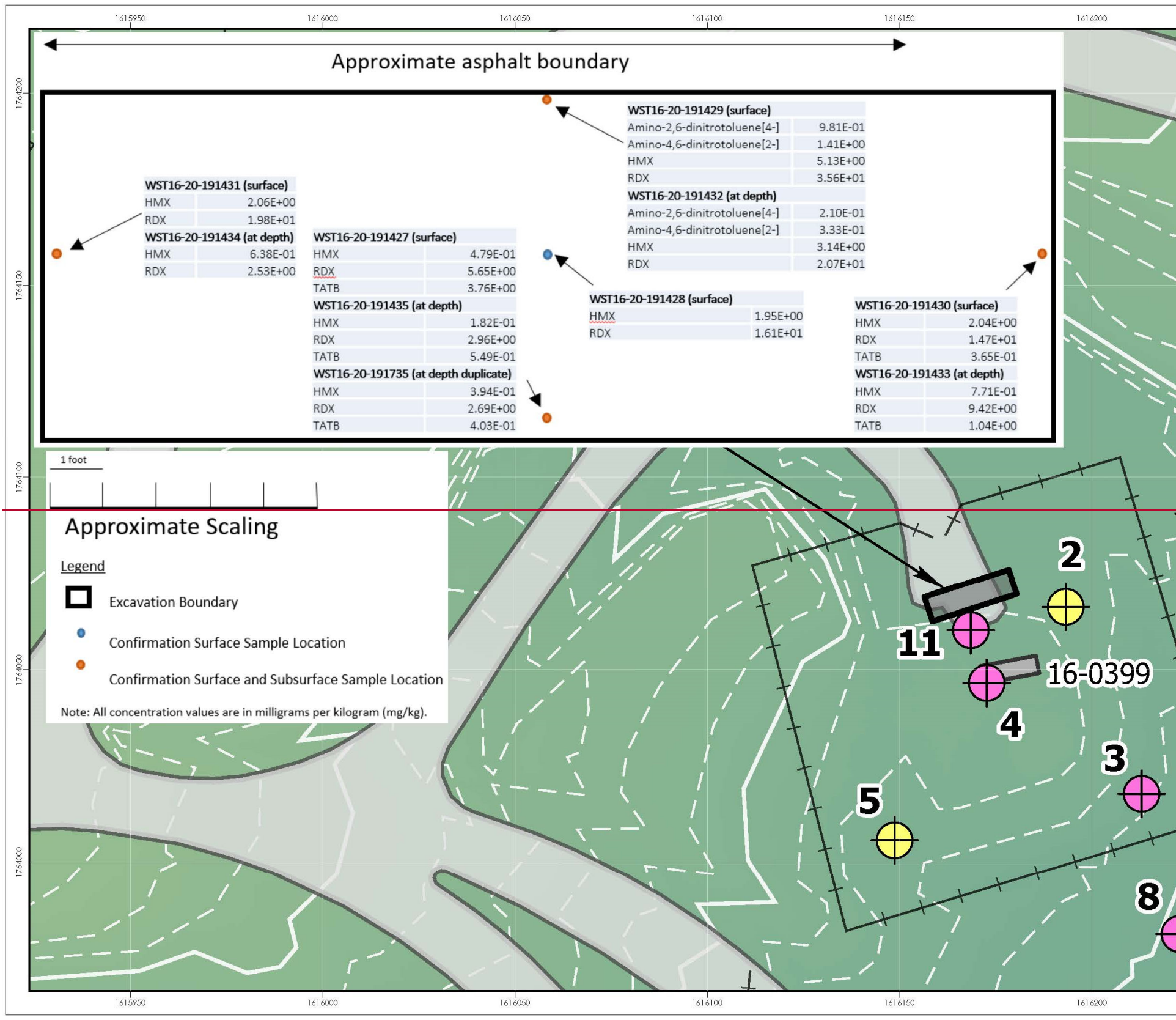


Figure 5: TA-16-399 ~~Detected Other Organic Compounds~~

Soil Concentrations for Toxic Equivalency (TEQ) Values of Dioxin/Furan Congeners in milligrams per kilogram (mg/kg)



~~Figure 6: Diagram of Soil Excavation Boundaries and Location and Concentration of Confirmation Soil Samples~~

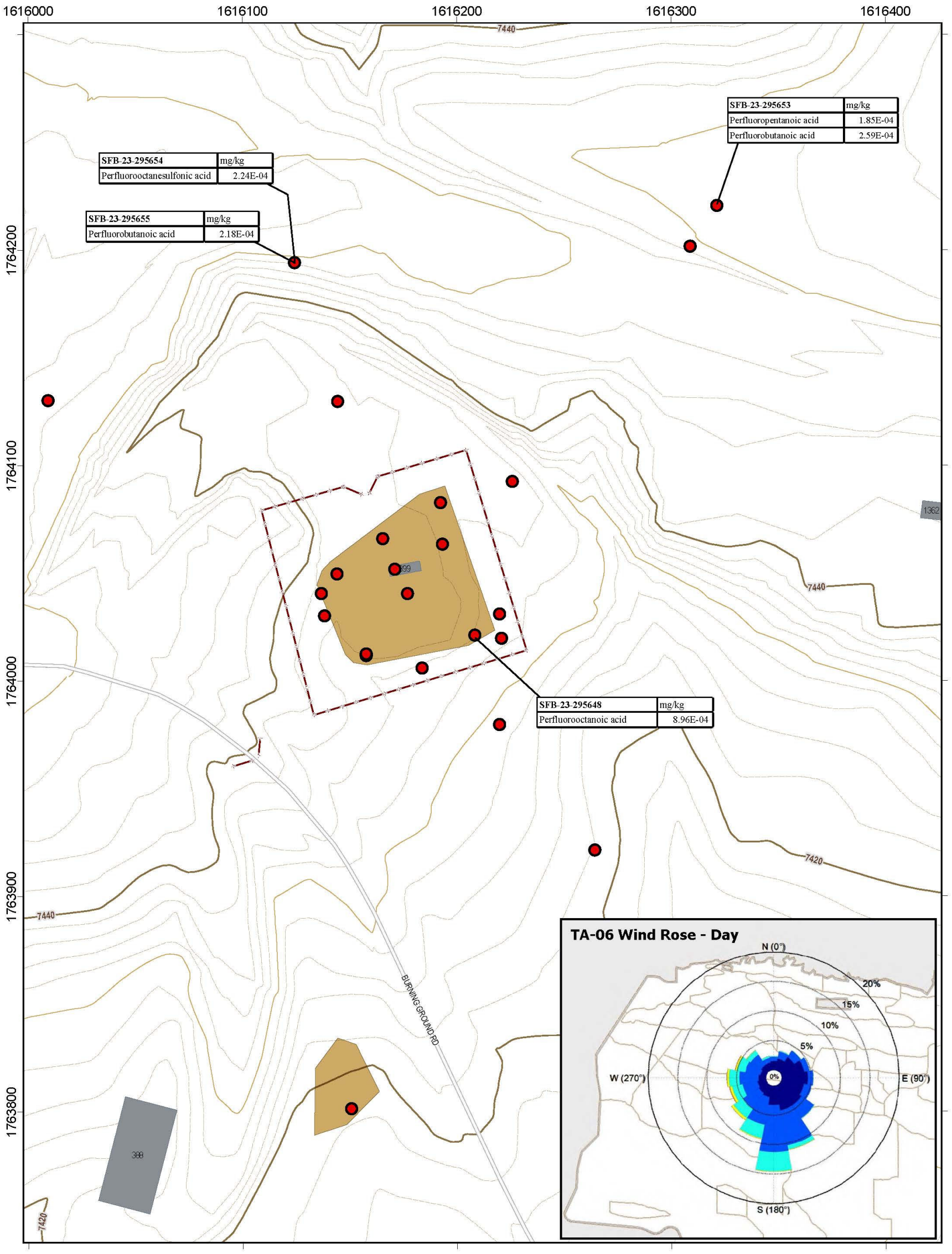


Figure 6. TA-16-399 Soil Concentrations for PFAS in milligrams per kilogram (mg/kg)